

Atlantic Richfield Company

Chuck Carmel
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29 October 2010

Re: Third Quarter 2010 Ground-Water Monitoring Report
Atlantic Richfield Company Station #2112
1260 Park Street, Alameda, California
ACEH Case #RO0000044

RECEIVED

4:23 pm, Nov 01, 2010

**Alameda County
Environmental Health**

"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,



Chuck Carmel
Remediation Management Project Manager

Attachment:

Third Quarter 2010
Ground-Water Monitoring Report
Atlantic Richfield Company Station #2112
1260 Park Street, Alameda, California
ACEH Case #RO0000044

Prepared for

Mr. Chuck Carmel
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

29 October 2010

Project No. 06-88-616

29 October 2010

Project No. 06-08-616

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

Attn.: Mr. Chuck Carmel

Re: Third Quarter 2010 Ground-Water Monitoring Report, Atlantic Richfield Company
Station #2112, 1260 Park Street, Alameda, California;
ACEH Case No. RO0000044

Dear Mr. Carmel:

Provided herein is the *Third Quarter 2010 Ground-Water Monitoring Report* for Atlantic Richfield Company (a BP affiliated company) Station #2112 (herein referred to as Station #2112) located at 1260 Park Street, Alameda, California (Site). This report presents a summary of well redevelopment activities and ground-water monitoring conducted during the Third Quarter of 2010. These activities were conducted in accordance with the letter request from Alameda County Environmental Health (ACEH) dated 12 August, 2010.

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

Sincerely,
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp Site)
Electronic copy uploaded to GeoTracker

STATION #2112 GROUND-WATER MONITORING REPORT

Facility: #2112	Address:	1260 Park Street, Alameda, California
Environmental Business Manager:		Mr. Chuck Carmel
Consulting Company/Contact Person:		Broadbent & Associates, Inc./ Tom Venus, (530)566-1400
Consultant Project No.:		06-88-616
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case No. RO0000044

WORK PERFORMED THIS QUARTER (Third Quarter 2010):

1. Submitted Second Quarter 2010 Status Report.
2. Performed well re-development and ground-water monitoring/sampling in accordance with letter request from ACEH, dated 12 August 2010. Well re-development conducted on 7 September 2010, with sampling taking place on 10 September 2010.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2010):

1. Prepared and submitted Third Quarter 2010 Ground-Water Monitoring Report (contained herein).
2. Install and sample shallow soil vapor monitoring points per the *Revised Vapor Intrusion Assessment Work Plan*.
3. Prepare and submit results of vapor well sampling per the *Revised Vapor Intrusion Assessment Work Plan*.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	<u>Reassessment</u>
Frequency of ground-water monitoring:	<u>3Q2010 & 1Q2011: A-1, A-2, A-3, A-4, A-5, AR-1, and AR-2</u>
Frequency of ground-water sampling:	<u>3Q2010 & 1Q2011: A-1, A-2, A-3, A-4, A-5, AR-1, and AR-2</u>
Is free product (FP) present on-site:	<u>No</u>
Current remediation techniques:	<u>NA</u>
Depth to ground water (below TOC):	<u>9.96 ft (A-4) to 10.90 ft (A-1)</u>
General ground-water flow direction:	<u>West</u>
Approximate hydraulic gradient:	<u>0.009 ft/ft</u>

DISCUSSION:

During the Third Quarter of 2010 existing wells at Station #2112 were redeveloped and sampled by BAI in accordance with the ACEH request dated 12 August, 2010. Wells A-1, A-2, A-4, A-5, AR-1, and AR-2 were redeveloped via surging and pumping on 7 September 2010. Well A-3 was not redeveloped due to an obstruction at 7.82 feet which prevented the surge block from reaching ground water. Approximately 30 gallons of ground water were removed from well A-1; approximately 25 gallons from well A-2; approximately 50 gallons from well A-4; approximately 20 gallons from well A-5, approximately 40 gallons from well AR-1, and approximately 30 gallons from well AR-2. Well AR-2 de-watered during re-development. None of the other wells de-watered during re-development. Field notes from well re-development are provided within Appendix A.

Third Quarter 2010 ground-water monitoring and sampling was conducted at Station #2112 on 10 September 2010 by BAI. Wells A-1, A-2, A-4, A-5, AR-1, and AR-2 were monitored for depth to

water and sampled. The obstruction in well A-3 prevented monitoring/sampling. Depth to water measurements ranged from 9.96 ft in well A-4, to 10.90 ft in well A-1. Resulting ground-water surface elevations ranged from 20.93 ft above datum at well AR-1 to 19.32 ft at well A-5. Water level elevations are summarized in Table 1. Water level elevations yielded a shallow potentiometric ground-water flow direction and gradient to the west at 0.009 ft/ft. Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. A Site Location Map is presented as Drawing 1. Potentiometric ground-water elevation contours and the calculated gradient and flow direction arrow are presented in Drawing 2.

Ground-water samples were collected from wells A-1, A-2, A-4, A-5, AR-1, and AR-2 on 10 September 2010. No irregularities were reported during sampling. Samples were submitted under chain-of-custody protocol to Calscience Environmental Laboratories, Inc. (Garden Grove, California), for analysis of Gasoline Range Organics (GRO, C6-C12) by EPA Method 8015 Modified; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX), Methyl Tert-Butyl Ether (MTBE), Ethyl Tert Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Di-Isopropyl Ether (DIPE), Tert-Butyl Alcohol (TBA), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), and Ethanol by EPA Method 8260B. No significant irregularities were reported by the laboratory. Ground-water sampling field data sheets and the laboratory analytical report, including chain of custody documentation, are provided in Appendix A.

The fuel additive 1,2 DCA was detected in two of the six wells sampled at concentrations of 0.72 micrograms per liter ($\mu\text{g/L}$ or parts per billion, ppb) in sample A-2 and 1.2 $\mu\text{g/L}$ in sample AR-1. The remaining analytes were not detected above their laboratory reporting limits in the six wells sampled. Laboratory analytical results are summarized within Table 1 and Table 2. The most recent GRO, Benzene, and MTBE concentrations are also indicated on Drawing 2. Ground-water monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation receipts are provided in Appendix B.

CONCLUSIONS AND RECOMMENDATIONS

Measured depths to ground-water were within the historic range of minimums and maximums for each well. The resulting ground-water flow direction and gradient from Third Quarter 2010 are consistent with those calculated in Third Quarter 2006 (last time Site wells were gauged/sampled on 17 July 2006) and in Second Quarter 1997 (previous last time Site wells were gauged/sampled on 14 June 1997). Concentrations reported from ground-water samples were generally consistent those last sampled in Third Quarter 2006. The low concentrations in well A-1 of MTBE, TAME, and 1,2-DCA detected in the Third Quarter 2006 (22 $\mu\text{g/L}$, 3.3 $\mu\text{g/L}$, and 0.76 $\mu\text{g/L}$, respectively) were not detected above the 0.50 $\mu\text{g/L}$ reporting limits during this ground-water monitoring event. The Third Quarter 2010 concentration of 0.72 $\mu\text{g/L}$ 1,2-DCA detected in well A-2 was less than the 1.2 $\mu\text{g/L}$ reported in the Third Quarter 2006. The 1.2 $\mu\text{g/L}$ 1,2-DCA detected in well AR-1 is not readily comparable as well AR-1 was not disconnected from the former remediation system piping and sampled in Third Quarter 2006, and prior to that samples from the Site were not analyzed for 1,2-DCA. The concentrations found in Third Quarter 2010 are consistent with the results previously reported that justified presentation of the request for case closure in 1996, and renewed calls for closure in 2006.

CLOSURE:

The findings presented in this report are based upon: observations of BAI field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Calscience (Garden Grove, 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. Site Location Map, Station #2112, 1260 Park Street, Alameda, California
- Drawing 2. Ground-Water Elevation Contour and Analytical Summary Map, 10 September 2010, Station #2112, 1260 Park Street, Alameda, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #2112, 1260 Park Street, Alameda, California
- Table 2. Summary of Fuel Additives Analytical Data, Station #2112, 1260 Park Street, Alameda, California
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #2112, 1260 Park Street, Alameda, California
- Appendix A. BAI Ground-Water Sampling Data Package (Includes Field Data Sheets, Non-Hazardous Waste Data Form, Laboratory Analytical Report with Chain-of-Custody Documentation, and Field Procedures)
- Appendix B. GeoTracker Upload Confirmation Receipts

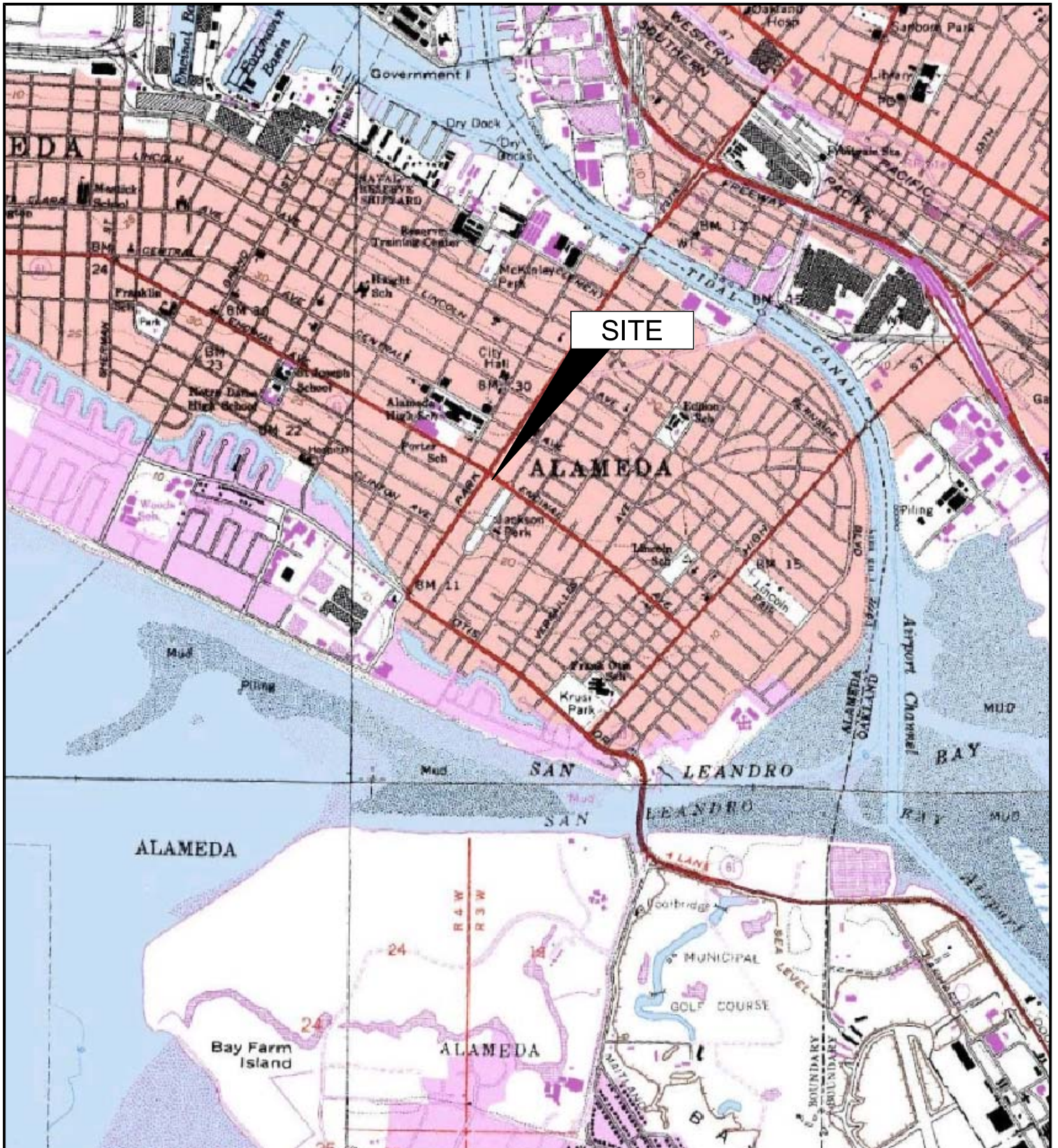
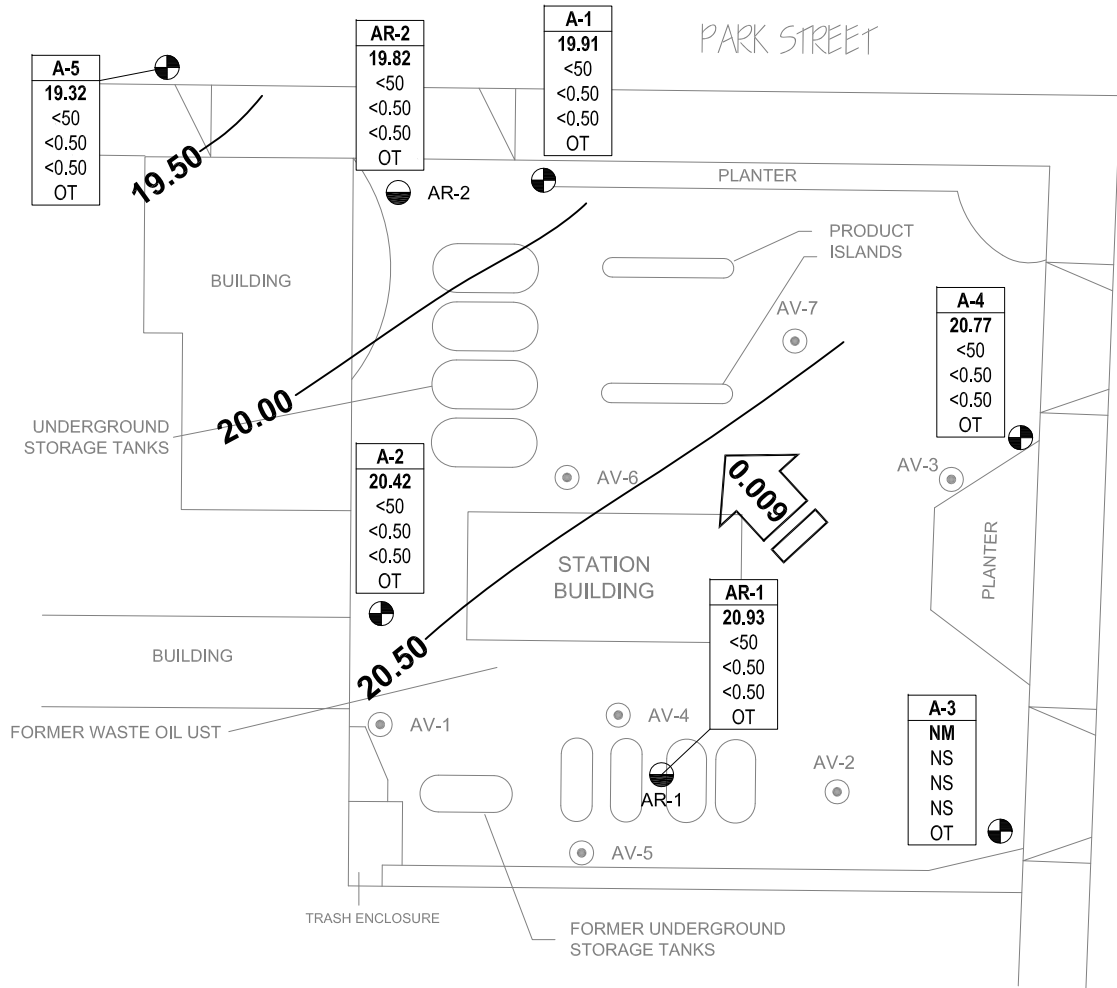


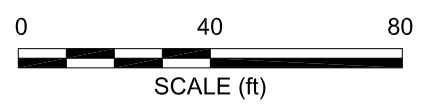
IMAGE SOURCE: USGS



- LEGEND:**
- A-1 MONITORING WELL LOCATION
 - AR-1 GROUND-WATER EXTRACTION WELL LOCATION
 - AV-1 VAPOR EXTRACTION WELL LOCATION
 - 20.50 GROUND-WATER ELEVATION CONTOURS (FT MSL)
 - 0.009 GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- | Well | ELEV | GRO | Benzene | MTBE | OT |
|------|-------|-----|---------|-------|----|
| A-1 | 19.91 | <50 | <0.50 | <0.50 | OT |
| A-2 | 20.42 | <50 | <0.50 | <0.50 | OT |
| A-3 | NM | NS | NS | NS | OT |
| A-4 | 20.77 | <50 | <0.50 | <0.50 | OT |
| A-5 | 19.32 | <50 | <0.50 | <0.50 | OT |
| AR-1 | 20.93 | <50 | <0.50 | <0.50 | OT |
| AR-2 | 19.82 | <50 | <0.50 | <0.50 | OT |
| AV-1 | | | | | |
| AV-2 | | | | | |
| AV-3 | | | | | |
| AV-4 | | | | | |
| AV-5 | | | | | |
| AV-6 | | | | | |
| AV-7 | | | | | |
- NM/MS NOT MEASURED/NOT SAMPLED
 < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
 OT ONE TIME, PER ACEH REQUEST



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



BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave. Suite 212, Chico, California 95926
 Project No.: 06-88-616 Date: 10/18/10

Station #2112
 1260 Park Street
 Alameda, California

Ground-Water Elevation Contour
 and Analytical Summary Map
 September 10, 2010

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	P/NP	TOC Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Comments
					GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
A-1												
10/7/1991	--	28.39	16.47	11.92	470	48	34	7.5	82	--	--	
2/18/1992	--	28.39	17.16	11.23	<30	5.4	0.82	<0.3	<0.3	--	--	
5/22/1992	--	28.39	17.14	11.25	38	15	0.92	1.3	0.51	--	--	
8/14/1992	--	28.39	16.63	11.76	<50	14	<0.5	1.5	<0.5	--	--	
10/23/1992	--	28.39	16.28	12.11	66	22	4.6	2	4.3	--	--	
1/28/1993	--	28.39	17.34	11.05	750	120	120	16	96	--	--	
2/24/1993	--	28.39	18.43	9.96	--	--	--	--	--	--	--	
4/28/1993	--	28.39	17.71	10.68	6,700	1,900	1,700	240	1,300	--	--	
5/28/1993	--	28.39	17.18	11.21	--	--	--	--	--	--	--	
6/16/1993	--	28.39	16.63	11.76	--	--	--	--	--	--	--	
7/27/1993	--	28.39	16.60	11.79	--	--	--	--	--	--	--	
8/24/1993	--	28.39	16.44	11.95	1,800	230	88	34	160	--	--	
9/28/1993	--	28.39	16.66	11.73	--	--	--	--	--	--	--	
10/22/1993	--	28.39	16.67	11.72	2,500	79	<10	<10	160	--	--	
11/16/1993	--	28.39	16.56	11.83	--	--	--	--	--	--	--	
12/16/1993	--	28.39	16.96	11.43	--	--	--	--	--	--	--	
2/7/1994	--	28.39	17.62	10.77	61	24	<0.5	2.1	0.8	--	--	
5/2/1994	--	28.39	17.17	11.22	58	17	0.7	2.2	4.2	--	--	
8/5/1994	--	28.39	11.40	16.99	<50	5.1	1.4	0.6	2.5	--	--	
11/30/1994	--	28.39	9.43	18.96	130	16	8.4	0.6	27	--	--	
2/22/1995	--	28.39	10.76	17.63	<50	1.2	<0.50	<0.50	<0.50	--	--	
5/23/1995	--	28.39	9.25	19.14	<50	4.9	0.95	0.61	3.9	--	--	
8/9/1995	--	28.39	11.33	17.06	<50	2.3	<0.50	<0.50	0.53	<2.5	--	
11/16/1995	--	28.39	12.11	16.28	<50	3.3	1.5	<0.50	1.9	--	--	
1/15/1996	--	28.39	11.18	17.21	<50	<0.50	<0.50	<0.50	<0.50	--	--	
4/8/1996	--	28.39	10.61	17.78	<50	<0.50	<0.50	<0.50	<0.50	--	--	
7/2/1996	--	28.39	11.28	17.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/1/1996	--	28.39	11.70	16.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
4/8/1997	--	28.39	10.98	17.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
6/14/1997	--	28.39	11.35	17.04	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
7/17/2006	--	30.81	10.92	19.89	<50	<0.50	<0.50	<0.50	<0.50	22	--	a

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	P/NP	TOC Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Comments
					GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
A-1 Cont.												
9/10/2010	P	30.81	10.90	19.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
A-2												
10/7/1991	--	29.28	12.74	16.54	31	7.4	0.39	<0.3	0.93	--	--	
2/18/1992	--	29.28	11.55	17.73	490	120	<1.5	<1.5	17	--	--	
5/22/1992	--	29.28	11.71	17.57	100	2.4	<0.3	<0.3	0.89	--	--	
8/14/1992	--	29.28	12.54	16.74	110	5	<0.5	<0.5	<0.5	--	--	
10/23/1992	--	29.28	12.64	16.64	<50	<0.5	<0.5	<0.5	<0.5	--	--	
1/28/1993	--	29.28	10.29	18.99	280	130	<2.5	<2.5	<2.5	--	--	
2/24/1993	--	29.28	11.05	18.23	--	--	--	--	--	--	--	
4/28/1993	--	29.28	10.91	18.37	210	32	0.89	5.2	2.3	--	--	
5/28/1993	--	29.28	11.27	18.01	--	--	--	--	--	--	--	
6/16/1993	--	29.28	12.20	17.08	--	--	--	--	--	--	--	
7/27/1993	--	29.28	11.27	18.01	--	--	--	--	--	--	--	
8/24/1993	--	29.28	12.25	17.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	
9/28/1993	--	29.28	12.36	16.92	--	--	--	--	--	--	--	
10/22/1993	--	29.28	12.18	17.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/16/1993	--	29.28	12.34	16.94	--	--	--	--	--	--	--	
12/16/1993	--	29.28	11.74	17.54	--	--	--	--	--	--	--	
2/7/1994	--	29.28	10.56	18.72	<50	<0.5	<0.5	<0.5	<0.5	--	--	
5/2/1994	--	29.28	11.48	17.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	
8/5/1994	--	29.28	12.26	17.02	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/30/1994	--	29.28	10.93	18.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/22/1995	--	29.28	10.55	18.73	<50	0.68	1.3	<0.5	0.52	--	--	
5/23/1995	--	29.28	11.05	18.23	<50	<0.50	<0.50	<0.50	<0.50	--	--	
8/9/1995	--	29.28	11.70	17.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
11/16/1995	--	29.28	12.64	16.64	<50	<0.50	<0.50	<0.50	<0.50	--	--	
1/15/1996	--	29.28	11.17	18.11	<50	<0.50	<0.50	<0.50	<0.50	--	--	
4/8/1996	--	29.28	10.45	18.83	<50	<0.50	<0.50	<0.50	<0.50	--	--	
7/2/1996	--	29.28	11.40	17.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/1/1996	--	29.28	12.10	17.18	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	P/NP	TOC Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Comments
					GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
A-2 Cont.												
4/8/1997	--	29.28	11.05	18.23	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
6/14/1997	--	29.28	11.65	17.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
7/17/2006	--	31.26	11.00	20.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
9/10/2010	P	31.26	10.84	20.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
A-3												
10/7/1991	--	27.87	10.55	17.32	<30	<0.3	<0.3	<0.3	<0.3	--	--	
2/18/1992	--	27.87	9.12	18.75	<30	<0.3	<0.3	<0.3	<0.3	--	--	
5/22/1992	--	27.87	9.41	18.46	<30	<0.3	<0.3	<0.3	<0.3	--	--	
8/14/1992	--	27.87	10.31	17.56	<50	<0.5	<0.5	<0.5	<0.5	--	--	
10/23/1992	--	27.87	10.57	17.30	<50	<0.5	<0.5	<0.5	<0.5	--	--	
1/28/1993	--	27.87	7.66	20.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/24/1993	--	27.87	8.28	19.59	--	--	--	--	--	--	--	
4/28/1993	--	27.87	6.76	21.11	<50	<0.5	<0.5	<0.5	<0.5	--	--	
5/28/1993	--	27.87	8.98	18.89	--	--	--	--	--	--	--	
6/16/1993	--	27.87	9.69	18.18	--	--	--	--	--	--	--	
7/27/1993	--	27.87	9.66	18.21	--	--	--	--	--	--	--	
8/24/1993	--	27.87	9.85	18.02	<50	<0.5	<0.5	<0.5	<0.5	--	--	
9/28/1993	--	27.87	10.21	17.66	--	--	--	--	--	--	--	
10/22/1993	--	27.87	10.05	17.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/16/1993	--	27.87	11.20	16.67	--	--	--	--	--	--	--	
11/16/1993	--	27.87	9.42	18.45	--	--	--	--	--	--	--	d
2/7/1994	--	27.87	8.29	19.58	<50	<0.5	<0.5	<0.5	<0.5	--	--	
5/2/1994	--	27.87	9.08	18.79	<50	<0.5	<0.5	<0.5	<0.5	--	--	
8/5/1994	--	27.87	10.02	17.85	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/30/1994	--	27.87	8.53	19.34	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/22/1995	--	27.87	7.90	19.97	<50	<0.50	<0.50	<0.50	<0.50	--	--	
5/23/1995	--	27.87	8.60	19.27	<50	<0.50	<0.50	<0.50	<0.50	--	--	
8/9/1995	--	27.87	9.30	18.57	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
11/16/1995	--	27.87	--	--	--	--	--	--	--	--	--	e
1/15/1996	--	27.87	8.66	19.21	--	--	--	--	--	--	--	e

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	P/NP	TOC Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Comments
					GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
A-3 Cont.												
4/8/1996	--	27.87	7.86	20.01	--	--	--	--	--	--	--	e
7/2/1996	--	27.87	9.03	18.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/1/1996	--	27.87	9.88	17.99	--	--	--	--	--	--	--	e
4/8/1997	--	27.87	8.55	19.32	--	--	--	--	--	--	--	e
6/14/1997	--	27.87	9.43	18.44	--	--	--	--	--	--	--	e
7/17/2006	--	30.20	--	--	--	--	--	--	--	--	--	c
9/10/2010	--	30.20	--	--	--	--	--	--	--	--	--	c
A-4												
10/7/1991	--	28.54	11.40	17.14	<30	0.32	0.69	<0.3	1.1	--	--	
2/18/1992	--	28.54	10.52	18.02	<30	<0.3	<0.3	<0.3	<0.3	--	--	
5/22/1992	--	28.54	10.45	18.09	<30	<0.3	<0.3	<0.3	<0.3	--	--	
8/14/1992	--	28.54	11.22	17.32	<50	<0.5	<0.5	<0.5	<0.5	--	--	
10/23/1992	--	28.54	11.44	17.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	
1/28/1993	--	28.54	9.12	19.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/24/1993	--	28.54	9.91	18.63	--	--	--	--	--	--	--	
4/28/1993	--	28.54	8.29	20.25	<50	<0.5	<0.5	<0.5	<0.5	--	--	
5/28/1993	--	28.54	9.92	18.62	--	--	--	--	--	--	--	
6/16/1993	--	28.54	10.64	17.90	--	--	--	--	--	--	--	
7/27/1993	--	28.54	10.81	17.73	--	--	--	--	--	--	--	
8/24/1993	--	28.54	10.98	17.56	<50	<0.5	<0.5	<0.5	<0.5	--	--	
9/28/1993	--	28.54	11.08	17.46	--	--	--	--	--	--	--	
10/22/1993	--	28.54	11.06	17.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/16/1993	--	28.54	10.27	18.27	--	--	--	--	--	--	--	
12/16/1993	--	28.54	10.64	17.90	--	--	--	--	--	--	--	
2/7/1994	--	28.54	9.42	19.12	<50	<0.5	<0.5	<0.5	<0.5	--	--	
5/2/1994	--	28.54	10.33	18.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	
8/5/1994	--	28.54	10.94	17.60	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/30/1994	--	28.54	9.89	18.65	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/22/1995	--	28.54	9.44	19.10	<50	<0.50	<0.50	<0.50	<0.50	--	--	
5/23/1995	--	28.54	9.80	18.74	<50	<0.50	0.59	<0.50	<0.50	--	--	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	P/NP	TOC Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Comments
					GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
A-4 Cont.												
8/9/1995	--	28.54	10.39	18.15	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
11/16/1995	--	28.54	--	--	--	--	--	--	--	--	--	e
1/15/1996	--	28.54	10.00	18.54	--	--	--	--	--	--	--	e
4/8/1996	--	28.54	9.34	19.20	--	--	--	--	--	--	--	e
7/2/1996	--	28.54	10.22	18.32	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/1/1996	--	28.54	10.85	17.69	--	--	--	--	--	--	--	e
4/8/1997	--	28.54	9.88	18.66	--	--	--	--	--	--	--	e
6/14/1997	--	28.54	10.43	18.11	--	--	--	--	--	--	--	e
7/17/2006	--	30.73	9.02	21.71	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	a,b
9/10/2010	P	30.73	9.96	20.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
A-5												
6/26/1992	--	27.29	10.77	16.52	<50	<0.5	<0.5	<0.5	<0.5	--	--	
8/14/1992	--	27.29	11.04	16.25	<50	<0.5	<0.5	<0.5	<0.5	--	--	
10/23/1992	--	27.29	11.12	16.17	<50	<0.5	<0.5	<0.5	<0.5	--	--	
1/28/1993	--	27.29	9.94	17.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/24/1993	--	27.29	10.63	16.66	--	--	--	--	--	--	--	
4/28/1993	--	27.29	10.70	16.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	
5/28/1993	--	27.29	10.35	16.94	--	--	--	--	--	--	--	
6/16/1993	--	27.29	10.76	16.53	--	--	--	--	--	--	--	
7/27/1993	--	27.29	10.78	16.51	--	--	--	--	--	--	--	
8/24/1993	--	27.29	10.97	16.32	<50	<0.5	<0.5	<0.5	<0.5	--	--	
9/28/1993	--	27.29	10.90	16.39	--	--	--	--	--	--	--	
10/22/1993	--	27.29	10.82	16.47	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/16/1993	--	27.29	10.98	16.31	--	--	--	--	--	--	--	
12/16/1993	--	27.29	10.70	16.59	--	--	--	--	--	--	--	
2/7/1994	--	27.29	9.96	17.33	<50	<0.5	0.9	<0.5	0.7	--	--	
5/2/1994	--	27.29	10.59	16.70	<50	<0.5	<0.5	<0.5	<0.5	--	--	
8/5/1994	--	27.29	10.91	16.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	
11/30/1994	--	27.29	10.69	16.60	<50	<0.5	<0.5	<0.5	<0.5	--	--	
2/22/1995	--	27.29	10.71	16.58	<50	<0.50	<0.50	<0.50	<0.50	--	--	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	P/NP	TOC Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Comments
					GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
A-5 Cont.												
5/23/1995	--	27.29	10.75	18.33	<50	<0.50	<0.50	<0.50	<0.50	--	--	
8/9/1995	--	27.29	10.78	18.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
11/16/1995	--	27.29	11.33	15.96	<50	<0.50	<0.50	<0.50	<0.50	--	--	
1/15/1996	--	27.29	10.61	16.68	<50	<0.50	<0.50	<0.50	<0.50	--	--	
4/8/1996	--	27.29	10.59	16.70	<50	<0.50	<0.50	<0.50	<0.50	--	--	
7/2/1996	--	27.29	10.73	16.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/1/1996	--	27.29	10.84	16.45	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
4/8/1997	--	27.29	10.68	16.61	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
6/14/1997	--	27.29	10.70	16.59	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
7/17/2006	--	29.53	10.67	18.86	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	a
9/10/2010	P	29.53	10.21	19.32	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
AR-1												
9/10/2010	P	31.17	10.24	20.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	
AR-2												
9/10/2010	P	30.19	10.37	19.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	

ABBREVIATIONS & SYMBOLS:

-- = Not analyzed/applicable/measured/available

< = Not detected at or above laboratory reporting limit

ft bgs = Feet below ground surface

BTEX = Benzene, toluene, ethylbenzene and xylenes

DO = Dissolved oxygen

DTW = Depth to water in ft bgs

GRO = Gasoline range organics, range C4-C12

GWE = Groundwater elevation measured in ft

mg/L = Milligrams per liter

MTBE = Methyl tert butyl ether

NP = Not purged before sampling

P = Purged before sampling

TOC = Top of casing measured in ft

TPH-g = Total petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015, Modified

µg/L = Micrograms per liter

SEQ/SEQM = Sequoia Analytical/Sequoia Morgan Hill Laboratories

FOOTNOTES:

a = Hydrocarb. in req. fuel range, but doesn't resemble req. fuel

b = Surrogate recovery above the acceptance limits. Matrix interference suspected

c = Well obstructed

d = Date believed to be erroneous; date likely to be 12/16/1993

e = Well sampled annually

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present.

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
ARCO Service Station #2112, 1260 Park Street, Alameda, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
A-1									
8/9/1995	--	--	<2.5	--	--	--	--	--	
7/2/1996	--	--	<2.5	--	--	--	--	--	
10/1/1996	--	--	<2.5	--	--	--	--	--	
4/8/1997	--	--	<2.5	--	--	--	--	--	
6/14/1997	--	--	<2.5	--	--	--	--	--	
7/17/2006	<300	<20	22	<0.50	<0.50	3.3	0.76	<0.50	
9/10/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-2									
8/9/1995	--	--	<2.5	--	--	--	--	--	
7/2/1996	--	--	<2.5	--	--	--	--	--	
10/1/1996	--	--	<2.5	--	--	--	--	--	
4/8/1997	--	--	<2.5	--	--	--	--	--	
6/14/1997	--	--	<2.5	--	--	--	--	--	
7/17/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	
9/10/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	0.72	<0.50	
A-3									
8/9/1995	--	--	<2.5	--	--	--	--	--	
7/2/1996	--	--	<2.5	--	--	--	--	--	
A-4									
8/9/1995	--	--	<2.5	--	--	--	--	--	
7/2/1996	--	--	<2.5	--	--	--	--	--	
7/17/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/10/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-5									
8/9/1995	--	--	<2.5	--	--	--	--	--	
7/2/1996	--	--	<2.5	--	--	--	--	--	
10/1/1996	--	--	<2.5	--	--	--	--	--	
4/8/1997	--	--	<2.5	--	--	--	--	--	
6/14/1997	--	--	<2.5	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2112, 1260 Park Street, Alameda, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
A-5 Cont.									
7/17/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/10/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
AR-1									
9/10/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	
AR-2									
9/10/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

ABBREVIATIONS & SYMBOLS:

< = Not detected at or above specified laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = micrograms per liter

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 3. Historical Ground-Water Flow Direction and Gradient
ARCO Service Station #2112, 1260 Park Street, Alameda, CA**

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
7/17/2006	West	0.01
9/10/2010	West	0.009

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

BAI GROUND-WATER SAMPLING DATA PACKAGE

**(Includes Field Data Sheets, Non-Hazardous Waste Data Form, Laboratory Analytical Report
with Chain-of-Custody Documentation, and Field Procedures)**



BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: A-2
 Project Name/Location: 211 Project #: 06'88'615
 Sampler's Name: EPB Date: 9/7/00
 Purging Equipment: Pump
 Sampling Equipment: A

Casing Type: PVC

Casing Diameter: _____ inch

Total Well Depth: _____ feet

Depth to Water: - _____ feet

Water Column Thickness: = _____ feet

Unit Casing Volume*: x _____ gallon / foot

Casing Water Volume: = _____ gallons

Casing Volume: x 3 each

Estimated Purge Volume: = _____ gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
<u>0</u>	<u>1440</u>		<u>-53</u>		<u>167.5</u>	<u>65.7</u>	<u>6.96</u>	
<u>12</u>	<u>1440</u>	X	X	X	<u>490.3</u>	<u>66.3</u>	<u>6.81</u>	
<u>20</u>	<u>1445</u>	X	X	X	<u>561.5</u>	<u>65.7</u>	<u>6.77</u>	<u>Clear</u>
<u>25</u>	<u>1448</u>	X	X	X	<u>573.1</u>	<u>65.2</u>	<u>6.75</u>	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: _____ gallons

Depth to Water at Sample Collection: _____ feet

Sample Collection Time: _____ Purged Dry? (Y/N)

Comments: _____



Groundwater Sampling Data Sheet

Well I.D.: A-5
 Project Name/Location: 2112 Project #: 06-88-916
 Sampler's Name: CRB Date: 9/7/10
 Purging Equipment: Pump
 Sampling Equipment: Sub

Casing Type: PVC
 Casing Diameter: _____ inch
 Total Well Depth: _____ feet
 Depth to Water: 52.0 feet
 Water Column Thickness: = _____ feet
 Unit Casing Volume*: x _____ gallon / foot
 Casing Water Volume: = _____ gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = _____ gallons

***UNIT CASING VOLUMES**
 2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1358		-57		530.8	67.3	6.31	
10	1405	X	X	X	180.3	67.8	6.73	Very sandy
20	1410	X	X	X	159.3	67.1	6.91	Sandy
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: _____ gallons
 Depth to Water at Sample Collection: _____ feet
 Sample Collection Time: _____ Purged Dry? (Y/N)

Comments:

Groundwater Sampling Data Sheet

Well I.D.: AR-1
 Project Name/Location: 2112 Project #: 06-88-016
 Sampler's Name: EFSB Date: 9/7/10
 Purging Equipment: Pump
 Sampling Equipment: -

Casing Type: PVC
 Casing Diameter: 3 inch
 Total Well Depth: 30 feet
 Depth to Water: 10.21 feet
 Water Column Thickness: = _____ feet
 Unit Casing Volume*: x _____ gallon / foot
 Casing Water Volume: = _____ gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = _____ gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1032		280		623.1	66.0	5.60	
10	1037	X	X	X	610.6	66.5	5.98	
20	1044	X	X	X	581.4	65.9	6.21	DTW 12.60
30	1054	X	X	X	524.6	66.1	6.33	Clearing
40	1102	X	X	X	524.3	66.2	6.36	Clear
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 40 gallons

Depth to Water at Sample Collection: - feet

Sample Collection Time: _____ Purged Dry? (Y/N)

Comments: 11/11



Groundwater Sampling Data Sheet

Well I.D.: AR-2
 Project Name/Location: 212 Project #: _____
 Sampler's Name: EFSD Date: 9/7/10
 Purging Equipment: Pump
 Sampling Equipment: _____

Casing Type: PVC

Casing Diameter: _____ inch

Total Well Depth: _____ feet

Depth to Water: - _____ feet

Water Column Thickness: = _____ feet

Unit Casing Volume*: x _____ gallon / foot

Casing Water Volume: = _____ gallons

Casing Volume: x 3 each

Estimated Purge Volume: = _____ gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1244		24		370.5	70.8	6.59	Very black, H ₂ S odor.
10	1254	X	X	X	361.9	68.2	6.56	Clearing, water grey, low sediment
20	1306	X	X	X	367.0	67.9	6.57	Clearing
30	1320	X	X	X	362.7	67.5	6.50	Dry
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: _____ gallons

Depth to Water at Sample Collection: _____ feet

Sample Collection Time: _____

Purged Dry? /

Comments: Dry @ 30 gallons



Groundwater Sampling Data Sheet

Well I.D.: A-1
 Project Name/Location: 212 Project #: _____
 Sampler's Name: EFSB Date: _____
 Purging Equipment: Pump
 Sampling Equipment: —

Casing Type: PVC

Casing Diameter: _____ inch

***UNIT CASING VOLUMES**

Total Well Depth: _____ feet

2" = 0.16 gal/lin ft.

Depth to Water: - 10.39 feet

3" = 0.37 gal/lin ft.

Water Column Thickness: = _____ feet

4" = 0.65 gal/lin ft.

Unit Casing Volume*: x _____ gallon / foot

6" = 1.47 gal/lin ft.

Casing Water Volume: = _____ gallons

Casing Volume: x 3 each

Estimated Purge Volume: = _____ gallons

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1208		285		625.0	67.7	7.04	
10	1214	X	X	X	629.3	67.6	7.00	
20	1221	X	X	X	600.8	67.3	7.00	Clearing
30	1224	X	X	X	576.3	67.4	6.99	Clear
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: _____ gallons

Depth to Water at Sample Collection: _____ feet

Sample Collection Time: _____ Purged Dry? (Y / N)

Comments: _____



Groundwater Sampling Data Sheet

Well I.D.: A-4
 Project Name/Location: 2112 Project #: _____
 Sampler's Name: GSB Date: _____
 Purging Equipment: Pump
 Sampling Equipment: _____

Casing Type: PVC

Casing Diameter: _____ inch

***UNIT CASING VOLUMES**

Total Well Depth: _____ feet

2" = 0.16 gal/lin ft.

Depth to Water: - _____ feet

3" = 0.37 gal/lin ft.

Water Column Thickness: = _____ feet

4" = 0.65 gal/lin ft.

Unit Casing Volume*: x _____ gallon / foot

6" = 1.47 gal/lin ft.

Casing Water Volume: = _____ gallons

Casing Volume: x 3 each

Estimated Purge Volume: = _____ gallons

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1123		304		676.6	65.3	6.77	
10	1133	X	X	X	632.3	66.7	6.83	Clear
20	1143	X	X	X	599.9	67.1	6.87	Clear
30	1152	X	X	X	583.3	67.0	6.79	Clear
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 30 gallons

Depth to Water at Sample Collection: 1 feet

Sample Collection Time: _____

Purged Dry? (Y/N) Y

Comments: _____

NO. 857347

NON-HAZARDOUS WASTE DATA FORM

1. BESI #

2. Generator's Name and Mailing Address BP WEST COAST PRODUCTS, LLC P.O. BOX 80249 RANCHO SANTA MARGARITA, CA 92688 Generator's Phone: (949) 480-5200	Generator's Site Address (if different than mailing address) BP a112 1512 Park St Alameda, CA 24-HOUR EMERGENCY PHONE: (949) 699-3706
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------

3. Transporter 1 Company Name Broadbent & Associates, Inc.	Phone # (530) 568-1400
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4. Transporter 2 Company Name Gomes Excavating	Phone # (707) 374-2881
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5. Designated Facility Name and Site Address INTRAT, INC. 1105 AIRPORT RD #C RIO VISTA, CA 94571	Phone # (530) 753-1829
-----------------------------------------------------------------------------------------------------------	---------------------------

6. Waste Shipping Name and Description	7. Containers		8. Total Quantity	9. Unit Wt/Vol	10. Profile No.
	No.	Type			
A. NON-HAZARDOUS WATER	1	TT	190	G	
B.					
C.					
D.					

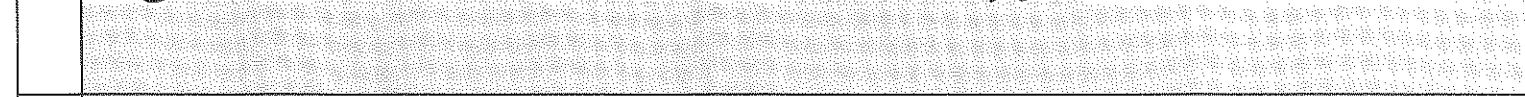
11. Special Handling Instructions and Additional Information

WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

WELL PURGING / DECON WATER

12. GENERATOR'S CERTIFICATION: I certify the materials described above on this data form are non-hazardous

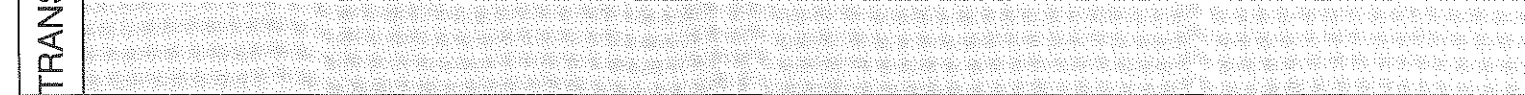
Generator's/Officer's Printed/Typed Name <i>Eric Ferrer</i>	Signature <i>[Signature]</i>	Month 9	Day 7	Year 0
----------------------------------------------------------------	---------------------------------	------------	----------	-----------



13. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name <i>Eric Ferrer</i>	Signature <i>[Signature]</i>	Month 9	Day 7	Year 10
--------------------------------------------------------	---------------------------------	------------	----------	------------

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
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14. Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Printed/Typed Name	Signature	Month	Day	Year
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DATE: 10/21/10 100910
PERSONNEL: EPFB
WEATHER: Sunny

PROJECT NO.: 0059-016 / BP2114
COMMENTS:

Equip:	Geosquirt	Tubing	Bailers	DO	wli	Ec/pH
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Well ID	Time	MEASURING POINT	DTW (FT)	PRODUCT THICKNESS	pH	Cond. (X100)	Temp. (C/F)	DO (mg/l)	Redox (mV)	Iron (mg/l)	Alk. (mg/l)	WELL HEAD CONDITION: VAULT, BOLTS, CAP, LOCK, ETC
A-1	1300		10.90									
A-2	1103		10.84									Broken Bolts
A-3												Obstructed
A-4	1236		9.96									
A-5	1040		10.21									
AR-1	1145		10.24									
AR-2	1026		10.37									
AV-1												
AV-2												Still configured as System well
AV-3												
AV-4												
AV-5												
AV-6												
AV-7												

Groundwater Sampling Data Sheet

Well I.D.: A-1
 Project Name/Location: AR10 2112 Project #: 06-88-616
 Sampler's Name: SB & ER Date: 9/10/10
 Purging Equipment: boiler
 Sampling Equipment: boiler

Casing Type: PVC
 Casing Diameter: 3 inch
 Total Well Depth: 30.00 feet
 Depth to Water: - 10.90 feet
 Water Column Thickness: = 19.10 feet
 Unit Casing Volume*: x 0.37 gallon / foot
 Casing Water Volume: = 7.1 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 21.2 gallons

***UNIT CASING VOLUMES**
 2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1305	—	219	—	594.3	71.7	6.9	
2.0	1307	X	X	X	592.2	71.9	6.9	
5	1310	X	X	X	593.2	71.1	6.9	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 5.0 gallons
 Depth to Water at Sample Collection: — feet
Sample Collection Time: 1315 Purged Dry? (Y/N) (N)

Comments: _____



Groundwater Sampling Data Sheet

Well I.D.: A-4
 Project Name/Location: ARLO 2012 Project #: 06-88-616
 Sampler's Name: SB & EF Date: 9/10/10
 Purging Equipment: bauler
 Sampling Equipment: bauler

Casing Type: PVC

Casing Diameter: 3 inch

***UNIT CASING VOLUMES**

Total Well Depth: 30.00 feet

2" = 0.16 gal/lin ft.

Depth to Water: - 9.96 feet

3" = 0.37 gal/lin ft.

Water Column Thickness: = 20.04 feet

4" = 0.65 gal/lin ft.

Unit Casing Volume*: x 0.37 gallon / foot

6" = 1.47 gal/lin ft.

Casing Water Volume: = 7.4 gallons

Casing Volume: x 3 each

Estimated Purge Volume: = 22.2 gallons

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1241	—	254	—	466.3	68.8	6.8	
3.0	1243	X	X	X	483.0	69.0	6.8	
6.0	1248	X	X	X	492.8	68.9	6.8	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 6.0 gallons

Depth to Water at Sample Collection: — feet

Sample Collection Time: 1250

Purged Dry? (Y N)

Comments:



Groundwater Sampling Data Sheet

Well I.D.: AR-1
 Project Name/Location: AR10 2112 Project #: 06-88-616
 Sampler's Name: SIS & EF Date: 9/10/10
 Purging Equipment: bauler
 Sampling Equipment: bauler

Casing Type: PVC

Casing Diameter: 4 inch

***UNIT CASING VOLUMES**

Total Well Depth: 30.00 feet

2" = 0.16 gal/lin ft.

Depth to Water: - 10.24 feet

3" = 0.37 gal/lin ft.

Water Column Thickness: = 19.76 feet

4" = 0.65 gal/lin ft.

Unit Casing Volume*: x 0.65 gallon / foot

6" = 1.47 gal/lin ft.

Casing Water Volume: = 12.8 gallons

Casing Volume: x 3 each

Estimated Purge Volume: = 38.5 gallons

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1148	-	157	-	441.4	68.3	7.4	
3.0	1153	X	X	X	433.8	67.8	6.8	
5.0	1156	X	X	X	432.1	67.6	6.66	
8.0	1159	X	X	X	433.3	67.4	6.6	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 8.0 gallons

Depth to Water at Sample Collection: - feet

Sample Collection Time: 1205

Purged Dry? (Y / (N))

Comments:

Groundwater Sampling Data Sheet

Well I.D.: A-2
 Project Name/Location: ARCO 2112 Project #: 06-88-616
 Sampler's Name: SB & FIF Date: 9/10/10
 Purging Equipment: bailler
 Sampling Equipment: bailler

Casing Type: PVC

Casing Diameter: 3 inch

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Total Well Depth: 31.00 feet

Depth to Water: - 10.84 feet

Water Column Thickness: = 20.16 feet

Unit Casing Volume*: x 0.37 gallon / foot

Casing Water Volume: = 7.45 gallons

Casing Volume: x 3 each

Estimated Purge Volume: = 22.4 gallons

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (uS)	Temperature (Fahrenheit)	pH	Observations
0	1105	—	155	—	763.6	69.9	6.9	
3	1110	X	X	X	898.7	69.5	6.7	
5.0	1112	X	X	X	871.2	68.6	6.8	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 5.0 gallons

Depth to Water at Sample Collection: — feet

Sample Collection Time: 1115

Purged Dry? (Y (N))

Comments:

**Groundwater Sampling Data Sheet**

Well I.D.: A-5
 Project Name/Location: ARLO 2112 Project #: 06-88-616
 Sampler's Name: SBEF Date: 9/10/10
 Purging Equipment: bauler
 Sampling Equipment: bauler

Casing Type: PVC

Casing Diameter: 3 inch***UNIT CASING VOLUMES**Total Well Depth: 30.50 feet

2" = 0.16 gal/lin ft.

Depth to Water: - 10.21 feet

3" = 0.37 gal/lin ft.

Water Column Thickness: = 20.29 feet

4" = 0.65 gal/lin ft.

Unit Casing Volume*: x 0.37 gallon / foot

6" = 1.47 gal/lin ft.

Casing Water Volume: = 7.5 gallonsCasing Volume: x 3 eachEstimated Purge Volume: = 22.5 gallons

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1048	—	32	—	533.6	71.3	7.0	
3.0	1052	X	X	X	530.7	69.6	7.0	
5.0	1055	X	X	X	532.0	68.9	7.0	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 5.0 gallonsDepth to Water at Sample Collection: — feetSample Collection Time: 1100Purged Dry? (Y/N) (N)Comments: _____



Groundwater Sampling Data Sheet

Well I.D.: AR-2
 Project Name/Location: AR10 2112 Project #: 06-88-610
 Sampler's Name: SBOEF Date: 9/10/10
 Purging Equipment: bauler
 Sampling Equipment: bauler

Casing Type: PVC

Casing Diameter: 4 inch
 Total Well Depth: 30.00 feet
 Depth to Water: - 10.37 feet
 Water Column Thickness: = 19.63 feet
 Unit Casing Volume*: x 0.65 gallon / foot
 Casing Water Volume: = 12.75 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 38.27 gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1028	-	189	-	549.8	69.4	7.5	
5.0	1034	X	X	X	559.0	70.4	7.1	
7	1038	X	X	X	562.3	69.9	7.0	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 7 gallons

Depth to Water at Sample Collection: - feet

Sample Collection Time: 1040

Purged Dry? (Y/N) (N)

Comments:

NO. 857314

NON-HAZARDOUS WASTE DATA FORM

1. BESI #

2. Generator's Name and Mailing Address
 BP WEST COAST PRODUCTS, LLC
 P.O. BOX 80249
 RANCHO SANTA MARGARITA, CA 92688

Generator's Site Address (if different than mailing address)
 BP 2112
 1260 Park St
 Alameda, CA

Generator's Phone: (949) 460-5200
 24-HOUR EMERGENCY PHONE: (949) 699-3706

3. Transporter 1 Company Name
 Broadbent & Associates, Inc.
 Phone # (530) 566-1400


4. Transporter 2 Company Name
 Gomes Excavating
 Phone # (707) 374-2881

5. Designated Facility Name and Site Address
 INTRAT, INC.
 1105 AIRPORT RD #C
 RIO VISTA, CA 94571
 Phone # (530) 753-1829


6. Waste Shipping Name and Description	7. Containers		8. Total Quantity	9. Unit Wt/Vol	10. Profile No.
	No.	Type			
A. NON-HAZARDOUS WATER	1	TT	36	G	
B.					
C.					
D.					

11. Special Handling Instructions and Additional Information
 WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
 WELL PURGING / DECON WATER

12. GENERATOR'S CERTIFICATION: I certify the materials described above on this data form are non-hazardous.

Generator's/Officer's Printed/Typed Name: Eric Farrow
 Signature: 
 Month: 9, Day: 20, Year: 10

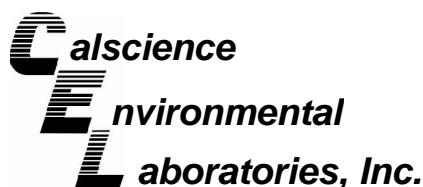
13. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Eric Farrow
 Signature: 
 Month: 9, Day: 20, Year: 10

Transporter 2 Printed/Typed Name: _____
 Signature: _____
 Month: _____, Day: _____, Year: _____

14. Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Printed/Typed Name: _____
 Signature: _____
 Month: _____, Day: _____, Year: _____



September 30, 2010

Aric Morton
Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Subject: **CalScience Work Order No.: 10-09-1230**
Client Reference: ARCO 2112

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/16/2010 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard Villafania'.

CalScience Environmental
Laboratories, Inc.
Richard Villafania
Project Manager

Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 2112

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
A-1	10-09-1230-1-E	09/10/10 13:15	Aqueous	GC 1	09/17/10	09/17/10 19:08	100917B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	69	38-134			

A-2	10-09-1230-2-E	09/10/10 11:15	Aqueous	GC 1	09/17/10	09/17/10 20:44	100917B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	71	38-134			

A-4	10-09-1230-3-E	09/10/10 12:50	Aqueous	GC 1	09/17/10	09/17/10 21:15	100917B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	71	38-134			

A-5	10-09-1230-4-E	09/10/10 11:00	Aqueous	GC 1	09/17/10	09/17/10 21:47	100917B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	68	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 2112

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AR-1	10-09-1230-5-E	09/10/10 12:05	Aqueous	GC 1	09/17/10	09/17/10 22:51	100917B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	69	38-134			

AR-2	10-09-1230-6-E	09/10/10 10:40	Aqueous	GC 1	09/17/10	09/17/10 23:23	100917B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	70	38-134			

Method Blank	099-12-695-905	N/A	Aqueous	GC 1	09/17/10	09/17/10 17:33	100917B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	71	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ARCO 2112

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
A-1	10-09-1230-1-C	09/10/10 13:15	Aqueous	GC/MS BB	09/22/10	09/22/10 18:53	100922L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	117	80-128			Dibromofluoromethane	110	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	89	68-120		

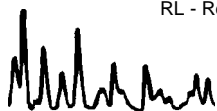
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
A-2	10-09-1230-2-B	09/10/10 11:15	Aqueous	GC/MS BB	09/23/10	09/24/10 05:03	100923L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	0.72	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	107	80-128			Dibromofluoromethane	107	80-127		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	91	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
A-4	10-09-1230-3-B	09/10/10 12:50	Aqueous	GC/MS BB	09/22/10	09/22/10 19:22	100922L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	119	80-128			Dibromofluoromethane	104	80-127		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	93	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ARCO 2112

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
A-5	10-09-1230-4-B	09/10/10 11:00	Aqueous	GC/MS BB	09/22/10	09/22/10 19:50	100922L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	117	80-128			Dibromofluoromethane	107	80-127		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	89	68-120		

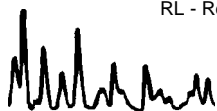
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AR-1	10-09-1230-5-B	09/10/10 12:05	Aqueous	GC/MS BB	09/23/10	09/24/10 06:31	100923L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	1.2	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	106	80-128			Dibromofluoromethane	103	80-127		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	89	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AR-2	10-09-1230-6-B	09/10/10 10:40	Aqueous	GC/MS BB	09/22/10	09/22/10 20:19	100922L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	125	80-128			Dibromofluoromethane	113	80-127		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	89	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ARCO 2112

Page 3 of 3


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-122-10	N/A	Aqueous	GC/MS BB	09/22/10	09/22/10 14:34	100922L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	113	80-128			Dibromofluoromethane	108	80-127		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	92	68-120		

Method Blank	099-14-122-11	N/A	Aqueous	GC/MS BB	09/23/10	09/24/10 02:08	100923L02
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,2-Dichloroethane-d4	103	80-128			Dibromofluoromethane	102	80-127		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	89	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ARCO 2112

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
A-1	Aqueous	GC 1	09/17/10	09/17/10	100917S01

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Gasoline Range Organics (C6-C12)	92	88	38-134	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

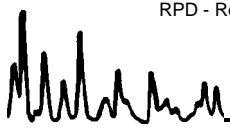
Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B

Project ARCO 2112

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-1095-1	Aqueous	GC/MS BB	09/22/10	09/22/10	100922S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	108	76-124	1	0-20	
Carbon Tetrachloride	130	124	74-134	5	0-20	
Chlorobenzene	107	106	80-120	1	0-20	
1,2-Dibromoethane	112	105	80-120	7	0-20	
1,2-Dichlorobenzene	101	101	80-120	0	0-20	
1,2-Dichloroethane	126	127	80-120	1	0-20	LM,AY
Ethylbenzene	108	105	78-126	2	0-20	
Toluene	110	110	80-120	1	0-20	
Trichloroethene	109	110	77-120	0	0-20	
Methyl-t-Butyl Ether (MTBE)	101	96	67-121	5	0-49	
Tert-Butyl Alcohol (TBA)	116	98	36-162	17	0-30	
Diisopropyl Ether (DIPE)	100	94	60-138	6	0-45	
Ethyl-t-Butyl Ether (ETBE)	94	92	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	100	97	65-120	3	0-20	
Ethanol	103	119	30-180	14	0-72	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

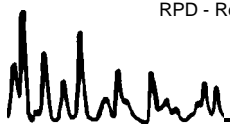
Date Received: 09/16/10
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B

Project ARCO 2112

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
A-2	Aqueous	GC/MS BB	09/23/10	09/24/10	100923S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	98	76-124	4	0-20	
Carbon Tetrachloride	101	97	74-134	4	0-20	
Chlorobenzene	96	96	80-120	0	0-20	
1,2-Dibromoethane	100	100	80-120	0	0-20	
1,2-Dichlorobenzene	99	97	80-120	2	0-20	
1,2-Dichloroethane	102	104	80-120	2	0-20	
Ethylbenzene	101	98	78-126	3	0-20	
Toluene	99	95	80-120	4	0-20	
Trichloroethene	100	98	77-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	105	110	67-121	5	0-49	
Tert-Butyl Alcohol (TBA)	113	104	36-162	9	0-30	
Diisopropyl Ether (DIPE)	102	102	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	99	101	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	101	102	65-120	0	0-20	
Ethanol	173	139	30-180	22	0-72	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: N/A
Work Order No: 10-09-1230
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 2112

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-905	Aqueous	GC 1	09/17/10	09/17/10	100917B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Gasoline Range Organics (C6-C12)	98	102	78-120	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: N/A
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B

Project: ARCO 2112

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-122-10	Aqueous	GC/MS BB	09/22/10	09/22/10	100922L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	113	109	80-120	73-127	3	0-20	
Carbon Tetrachloride	131	131	74-134	64-144	0	0-20	
Chlorobenzene	111	112	80-120	73-127	1	0-20	
1,2-Dibromoethane	104	112	79-121	72-128	7	0-20	
1,2-Dichlorobenzene	103	109	80-120	73-127	5	0-20	
1,2-Dichloroethane	120	120	80-120	73-127	0	0-20	
Ethylbenzene	113	112	80-120	73-127	0	0-20	
Toluene	116	110	80-120	73-127	5	0-20	
Trichloroethene	115	113	79-127	71-135	2	0-20	
Methyl-t-Butyl Ether (MTBE)	91	97	69-123	60-132	6	0-20	
Tert-Butyl Alcohol (TBA)	109	108	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	101	102	59-137	46-150	2	0-37	
Ethyl-t-Butyl Ether (ETBE)	93	96	69-123	60-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	98	70-120	62-128	3	0-20	
Ethanol	167	152	28-160	6-182	9	0-57	LQ

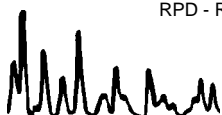
Total number of LCS compounds : 15

Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: N/A
Work Order No: 10-09-1230
Preparation: EPA 5030C
Method: EPA 8260B

Project: ARCO 2112

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-122-11	Aqueous	GC/MS BB	09/23/10	09/24/10	100923L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	100	80-120	73-127	0	0-20	
Carbon Tetrachloride	97	98	74-134	64-144	1	0-20	
Chlorobenzene	98	99	80-120	73-127	2	0-20	
1,2-Dibromoethane	100	102	79-121	72-128	2	0-20	
1,2-Dichlorobenzene	97	102	80-120	73-127	5	0-20	
1,2-Dichloroethane	99	100	80-120	73-127	1	0-20	
Ethylbenzene	100	104	80-120	73-127	4	0-20	
Toluene	98	101	80-120	73-127	3	0-20	
Trichloroethene	99	102	79-127	71-135	2	0-20	
Methyl-t-Butyl Ether (MTBE)	97	96	69-123	60-132	0	0-20	
Tert-Butyl Alcohol (TBA)	102	103	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	101	102	59-137	46-150	0	0-37	
Ethyl-t-Butyl Ether (ETBE)	97	100	69-123	60-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	100	70-120	62-128	5	0-20	
Ethanol	104	128	28-160	6-182	21	0-57	

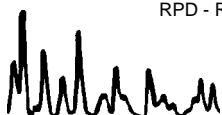
Total number of LCS compounds : 15

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

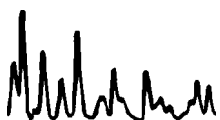
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-09-1230

<u>Qualifier</u>	<u>Definition</u>
AX	Sample too dilute to quantify surrogate.
BA	Relative percent difference out of control.
BA,AY	BA = Relative percent difference out of control. AY = Matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
BZ	Sample preserved improperly.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
DU	Insufficient sample quantity for matrix spike/dup matrix spike.
ET	Sample was extracted past end of recommended max. holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GR	Internal standard recovery is outside method recovery limit.
IB	CCV recovery above limit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG,AY	LG= Surrogate recovery below the acceptance limit. AY= Matrix interference suspected.
LH,AY	LH= Surrogate recovery above the acceptance limit. AY= Matrix interference suspected.
LM,AY	LM= MS and/or MSD above acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LN,AY	LN= MS and/or MSD below acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.



<u>Qualifier</u>	<u>Definition</u>
LW	Quantitation of unknown hydrocarbon(s) in sample based on gasoline.
LX	Quantitation of unknown hydrocarbon(s) in sample based on diesel.
MB	Analyte present in the method blank.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.
SG	A silica gel cleanup procedure was performed.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: ARCO 2112

Req Due Date (mm/dd/yy): Standard 1230

BP/ARC Facility No: 2112

Lab Work Order Number: _____

Lab Name: Calscience	BP/ARC Facility Address: 1260 Park Street	Consultant/Contractor: Broadbr
Lab Address: 7440 Lincoln Way	City, State, ZIP Code: Alameda, CA	Consultant/Contractor Project No: 0b-
Lab PM: Richard Villafania	Lead Regulatory Agency: ACEH	Address: 1324 Mangrove Ave. Ste. 212, Chico, CA
Lab Phone: 714-895-5494	California Global ID No.: T0600100083	Consultant/Contractor PM: Tom Venus
Lab Shipping Acct: 9225	Enfos Proposal No: 000V2-0003	Phone: 530-566-1400
Lab Bottle Order No:	Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/>	Email EDD To: tvenus@broadbentinc.com
Other Info:	Stage: Operate (5) Activity: Monitoring/MNA (22)	Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor <input type="checkbox"/>

BP/ARC EBM: Chuck Carmel				Matrix		No. Containers / Preservative						Requested Analyses						Report Type & QC Level		
EBM Phone:				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO (8015)	BTEX (8260)	5 Oxys (8260)	EDB (8260)	1,2-DCA (8260)	Ethanol (8260)	Standard <input checked="" type="checkbox"/>	
EBM Email:																			Full Data Package <input type="checkbox"/>	
Lab No.	Sample Description	Date	Time																Comments	
1	A-1	9/10/10	1315	X			6				X	X	X	X	X	X				
2	A-2	↓	1115	X			6				X	X	X	X	X	X				
	A-3				X			6				X	X	X	X	X	X			No Sample
3	A-4			1250	X			6				X	X	X	X	X	X			
4	A-5		1100	X			6				X	X	X	X	X	X				
5	AR-1	V	1205	X			6				X	X	X	X	X	X				
6	AR-2			1040	X			6				X	X	X	X	X	X			
7	TB - 2112 - 100910	9/10/10	1330	X			2			X										Hold

Sampler's Name: <u>Sam Bartley</u>	Relinquished By / Affiliation:	Date: <u>9/15/10</u>	Time: <u>1600</u>	Accepted By / Affiliation:	Date: <u>9/16/10</u>	Time: <u>1015</u>
Sampler's Company: <u>BAI</u>						
Shipment Method: <u>GSO</u>	Ship Date: <u>9/15/10</u>					
Shipment Tracking No: <u>106193745</u>						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No



GOLDEN STATE OVERNIGHT

PACKAGE LABEL

DATE 9/15/10
 COMPANY
 ADDRESS 879 Cottingham Lane 9255
 ADDRESS
 CITY
 SENDERS NAME
 PHONE NUMBER

1-800-322-5555
 WWW.GSO.COM

- 4 PACKAGE INFORMATION
- LETTER (MAX 8 OZ)
 - PACKAGE (WT) _____
 - DECLARED VALUE \$ _____
 - COD AMOUNT \$ _____
(CASH NOT ACCEPTED)

COMPANY
 NAME
 ADDRESS
 ADDRESS
 CITY
 STE/
 ROOM
 ZIP
 CODE

- 5 DELIVERY SERVICE
- PRIORITY OVERNIGHT BY 10:30 AM
 - EARLY PRIORITY BY 8:00 AM
 - SATURDAY DELIVERY
- *DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE
 SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION

TIME	DRIVER #	ROUTE #
106193745		

PEEL OFF HERE



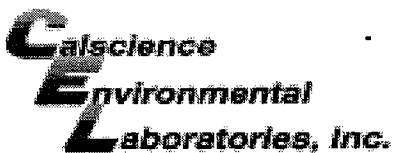
106193745

9 GSO TRACKING NUMBER

YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

1230



WORK ORDER #: 10-09-1230

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Broadbent

DATE: 09/16/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 4.1 °C + 0.5°C (CF) = 4.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Initial: JP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: JP

Sample _____ No (Not Intact) Not Present Initial: JP

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA^h VOAn₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** 100813B **Labeled/Checked by:** JP

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** JP

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION RECEIPTS

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

<u>Submittal Type:</u>	GEO_WELL
<u>Submittal Title:</u>	3Q10 GEO_WELL 2112
<u>Facility Global ID:</u>	T0600100083
<u>Facility Name:</u>	ARCO #2112
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
<u>IP Address:</u>	67.118.40.90
<u>Submittal Date/Time:</u>	10/12/2010 9:45:57 AM
<u>Confirmation Number:</u>	9495875060

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

<u>Submittal Type:</u>	EDF - Monitoring Report - Other
<u>Submittal Title:</u>	3Q10 GW Monitoring
<u>Facility Global ID:</u>	T0600100083
<u>Facility Name:</u>	ARCO #2112
<u>File Name:</u>	10091230.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
<u>IP Address:</u>	67.118.40.90
<u>Submittal Date/Time:</u>	10/12/2010 9:46:36 AM
<u>Confirmation Number:</u>	3946335792

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[VIEW DETECTIONS REPORT](#)