

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

PO Box 1257
San Ramon, CA 94583
Phone: (925) 275-3804
Fax: (925) 275-3815
E-Mail: shannon.couch@bp.com

January 31, 2013

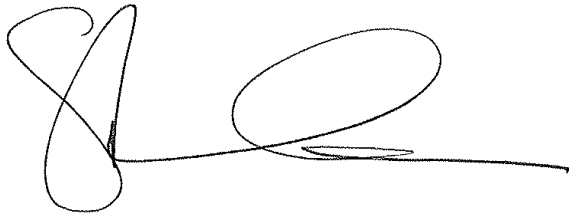
RECEIVED

By Alameda County Environmental Health at 10:30 am, Jan 31, 2013

Re: Fourth Quarter 2012 Monitoring Report
Atlantic Richfield Company Station #2035
1001 San Pablo Avenue, Albany, California
ACEH Case #RO0000100

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,



Shannon Couch
Operations Project Manager

Attachment

January 31, 2013

Project No. 06-88-610

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

Attn: Ms. Shannon Couch

Re: Fourth Quarter 2012 Monitoring Report, Atlantic Richfield Company Station #2035,
1001 San Pablo Avenue, Albany, Alameda County, California; ACEH Case #RO0000100

Dear Ms. Couch:

Attached is the Fourth Quarter 2012 Monitoring Report for Atlantic Richfield Company Station #2035 located at 1001 San Pablo Avenue in Albany, Alameda County, California. This report presents the observations and results of semi-annual groundwater monitoring and sampling conducted during the Fourth Quarter of 2012, and a summary of recent developments at the Site.

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

Sincerely,

BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, PE
Senior Engineer



Enclosures

cc: Ms. Dilan Roe, PE, Alameda County Environmental Health (submitted via ACEH ftp site)
Electronic copy uploaded to GeoTracker

**FOURTH QUARTER 2012
MONITORING REPORT
ARCO STATION # 2035, ALBANY, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Fourth Quarter 2012 Monitoring Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for ARCO Station #2035 located in Albany, Alameda County, CA. Quarterly reporting is being submitted to the Alameda County Environmental Health Services Agency (ACEH) consistent with their requirements under the legal authority of the California Regional Water Quality Control Board, as codified by the California Code of Regulations Title 23, Section 2652(d). Details of work performed, discussion of results, and recommendations are provided below.

| | |
|-------------------------------------|--|
| Facility Name / Address: | <u>ARCO Station #2035/ 1001 San Pablo Avenue, Albany</u> |
| Client Project Manager / Title: | <u>Ms. Shannon Couch / Remediation Management Project Manager</u> |
| Broadbent Contact: | <u>Tom Venus, PE / (530) 566-1400</u> |
| Broadbent Project No.: | <u>06-88-610</u> |
| Primary Regulatory Agency / ID No.: | <u>ACEH Case #RO0000100</u> |
| Current phase of project: | <u>Monitoring, Closure Evaluation</u> |
| List of Acronyms / Abbreviations: | <u>See end of report text for list of acronyms/abbreviations used in report.</u> |

WORK PERFORMED THIS QUARTER (Fourth Quarter 2012):

1. Submitted *Third Quarter 2012 Status Report* (Broadbent, 10/19/2012).
2. Conducted groundwater monitoring/sampling for Fourth Quarter 2012 on December 6, 2012.

WORK SCHEDULED FOR NEXT QUARTER (First Quarter 2013):

1. Submit *Fourth Quarter 2012 Monitoring Report* (contained herein).
2. No environmental field work is currently scheduled for First Quarter 2013.

QUARTERLY MONITORING PLAN SUMMARY:

| | | |
|--|-------------------------------------|-----------|
| Groundwater level gauging: | <u>MW-1 through MW-9, RW-1, S-5</u> | (2Q & 4Q) |
| Groundwater sample collection: | <u>MW-4, MW-7, MW-8, MW-9,</u> | |
| | <u>RW-1, S-5</u> | (2Q & 4Q) |
| | <u>MW-5, MW-6</u> | (4Q) |
| Biodegradation indicator parameter monitoring: | <u>MW-4, MW-7, MW-8, MW-9,</u> | |
| | <u>RW-1, S-5</u> | (2Q & 4Q) |
| | <u>MW-5, MW-6</u> | (4Q) |

QUARTERLY RESULTS SUMMARY:

LNAPL

| | | |
|-------------------------------|-------------|----------|
| LNAPL observed this quarter: | <u>No</u> | (yes\no) |
| LNAPL recovered this quarter: | <u>None</u> | (gal) |
| Cumulative LNAPL recovered: | <u>N/A</u> | (gal) |

Groundwater Elevation and Gradient:

| | | |
|------------------------------|------------------------------------|-----------------------------|
| Depth to groundwater: | <u>3.30 (MW-7) to 10.66 (MW-6)</u> | (ft below TOC) |
| Gradient direction: | <u>West</u> | (compass direction) |
| Gradient magnitude: | <u>0.022</u> | (ft/ft) |
| Average change in elevation: | <u>+2.23</u> | (ft since last measurement) |

Laboratory Analytical Data

Summary:

GRO and Benzene were detected in MW-7, MW-8, RW-1, and S-5. Toluene was detected in MW-7, RW-1, and S-5. Xylenes were detected in MW-8 and S-5. Ethylbenzene was detected in MW-7, MW-8, and S-5. MTBE was detected in MW-4 and MW-9.

ACTIVITIES CONDUCTED & RESULTS:

Fourth Quarter 2012 groundwater monitoring was conducted at ARCO Station #2035 on December 6, 2012 by Broadbent personnel in accordance with the current monitoring plan. BlaineTech Services conducted groundwater monitoring at the adjacent Shell Station on November 28 and 29, 2012 and December 21, 2012. No irregularities were noted during water level gauging at ARCO Station #2035. Light, Non-Aqueous Phase Liquid (LNAPL, or free product) was not observed in the wells monitored by Broadbent during this event. Depth to water measurements ranged from 3.30 ft at MW-7 to 10.66 ft at MW-6. Resulting groundwater surface elevations ranged from 31.65 ft at MW-6 to 39.88 ft at MW-7. Groundwater elevations are summarized in Table 1. Water level elevations yielded a potentiometric horizontal groundwater gradient to the West at approximately 0.022 ft/ft. Field methods used during groundwater monitoring are provided in Appendix A. Field data sheets for monitoring at ARCO Station #2035 are included in Appendix B. Historic groundwater elevation data is presented in Appendix C. Joint monitoring data is presented in Appendix D. A Site Location Map is presented as Drawing 1. Potentiometric groundwater elevation contours are presented in Drawing 2.

Groundwater samples were collected on December 6, 2012. No irregularities were reported during sampling with the exception that the recharge rate in well S-5 was so slow that it was decided to sample without purging the final casing volume. Samples were submitted under chain-of-custody protocol to TestAmerica Laboratories, Inc. (Irvine, California) for analysis of Gasoline-Range Organics (GRO, C6-C12) by EPA Method 8015M; for Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Di-Isopropyl Ether (DIPE), Tert-Butyl Alcohol (TBA), Ethanol, 1,2-Dibromomethane (EDB), and 1,2-Dichloroethane (1,2-DCA) by EPA Method 8260. No significant irregularities were encountered during analysis of the samples with the following exceptions: The laboratory noted one vial for each sample was received broken. "Surrogate recovery was outside control limits for the following sample in batch 72461. The BFB surrogate co-eluted with the TPH Standard. Data not impacted." "Surrogate recovery for the following sample(s) was outside control limits: MW-7." "Gasoline Range Organics (GRO) concentration reported for the following sample(s) is due to the presence of discrete peaks: RW-1." The laboratory analytical report, including chain-of-custody documentation, is provided in Appendix E.

Hydrocarbons in the GRO range were detected above the laboratory reporting limit in four of the wells sampled at concentrations up to 1,700 micrograms per liter ($\mu\text{g/L}$, parts per billion, ppb) in well S-5. Benzene was detected above the laboratory reporting limit in four of the wells sampled at concentrations up to 200 $\mu\text{g/L}$ in well RW-1. Toluene was detected above the laboratory reporting limit in three of the wells sampled at concentrations up to 1.7 $\mu\text{g/L}$ in well S-5. Ethylbenzene was detected above the laboratory reporting limit in three wells sampled at concentrations up to 6.8 $\mu\text{g/L}$ in well MW-8. Total Xylenes were detected above the laboratory reporting limit in two wells sampled at concentrations up to 2.0 $\mu\text{g/L}$ in well S-5. MTBE was detected above the laboratory reporting limit in two wells sampled at concentrations up to 6.4 $\mu\text{g/L}$ in well MW-9. The remaining analytes were not detected above their laboratory reporting limits in the wells sampled this last monitoring event. Groundwater monitoring laboratory analytical results are summarized in Table 1, Table 2 and Appendix C. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 2. Groundwater monitoring data (GEO_WELL) and laboratory analytical results (EDF)

were uploaded to the GeoTracker AB2886 database. Upload confirmation receipts are provided in Appendix F.

DISCUSSION:

Depth to groundwater level measurements were between historic minimum and maximum values for the monitoring wells associated with ARCO Station #2035 with the following exceptions: historic minimum depth to groundwater levels were measured in newer wells MW-7, MW-8, and MW-9. Initially encountered groundwater levels during Fourth Quarter 2012 monitoring were above the screened intervals in wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, and RW-1. Broadbent does not believe the initially submerged screens in these wells hid the presence of LNAPL as LNAPL has not been detected at the Site since 1995 in well RW-1, including during past events when the well screens were not submerged. Groundwater elevations yielded a potentiometric horizontal groundwater gradient to the West at approximately 0.022 ft/ft, generally consistent with the historic gradient direction and magnitude data presented in Table 3 and Appendix C.

This event's detected analytical concentrations were within the historic minimum and maximum ranges recorded for each well. Recent and historic laboratory analytical results are summarized in Table 1 and Table 2 and Appendix C.

RECOMMENDATIONS:

Groundwater monitoring and sampling is scheduled to be conducted at ARCO Station #2035 during the Second Quarter 2013, consistent with the current monitoring program. No monitoring/sampling is presently scheduled for First Quarter 2013 at the Site. BP and Broadbent are awaiting comments from ACEH to the *Vapor Intrusion Assessment Report* (Broadbent, 6/13/2011) submitted in Second Quarter 2011. In the meantime, Broadbent is preparing an evaluation for case closure at this Site.

LIMITATIONS:

The findings presented in this report are based upon observations of Broadbent and other field personnel, points investigated, results of laboratory tests performed by TestAmerica Laboratories, Inc. (Irvine, California), and our understanding of ACEH requirements. 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 the Atlantic Richfield Company. It is possible that variations in soil or groundwater 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
- Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, December 6, 2012

- Table 1: Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
- Table 2: Summary of Fuel Additives Analytical Data
- Table 3: Historical Groundwater Gradient – Direction and Magnitude

- Appendix A: Field Methods
- Appendix B: Field Data Sheets and Non-Hazardous Waste Data Form
- Appendix C: Historic Groundwater Data Tables
- Appendix D: Joint Monitoring Data
- Appendix E: Laboratory Report and Chain-of-Custody Documentation
- Appendix F: GeoTracker Upload Confirmation Receipts

LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

| | | | |
|--------------------|---|-------------------|--------------------------------|
| ACEH: | Alameda County Environmental Health | ft/ft: | feet per foot |
| ACPWA: | Alameda County Public Works Agency | gal: | Gallons |
| BTEX: | Benzene, Toluene, Ethylbenzene, Total Xylenes | GRO: | Gasoline-Range Organics |
| 1,2-DCA: | 1,2-Dichloroethane | LNAPL: | Light Non-Aqueous Phase Liquid |
| DIPE: | Di-Isopropyl Ether | MTBE: | Methyl Tertiary Butyl Ether |
| DO: | Dissolved Oxygen | NO ₃ : | Nitrate as Nitrogen |
| DRO: | Diesel-Range Organics | ppb: | parts per billion |
| EDB: | 1,2-Dibromomethane | SO ₄ : | Sulfate |
| Eh: | Oxidation Reduction Potential | TAME: | Tert-Amyl Methyl Ether |
| EPA: | Environmental Protection Agency | TBA: | Tertiary Butyl Ether |
| ETBE: | Ethyl Tertiary Butyl Ether | TOC: | Top of Casing |
| Fe ²⁺ : | Ferrous Iron | µg/L: | micrograms per liter |

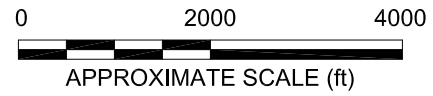
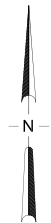
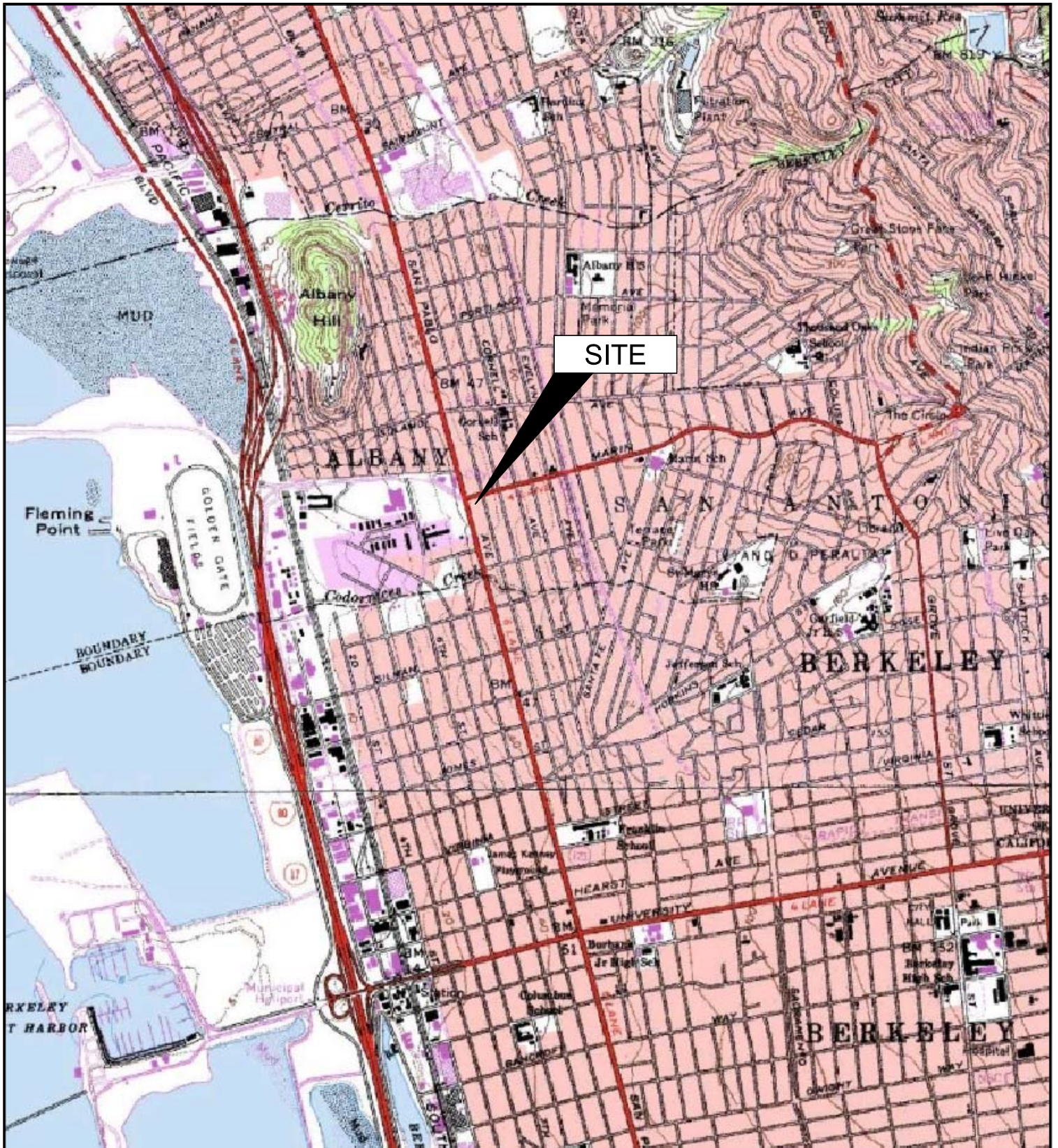


IMAGE SOURCE: USGS



1324 Mangrove Ave., Suite 212
Chico, California 95926

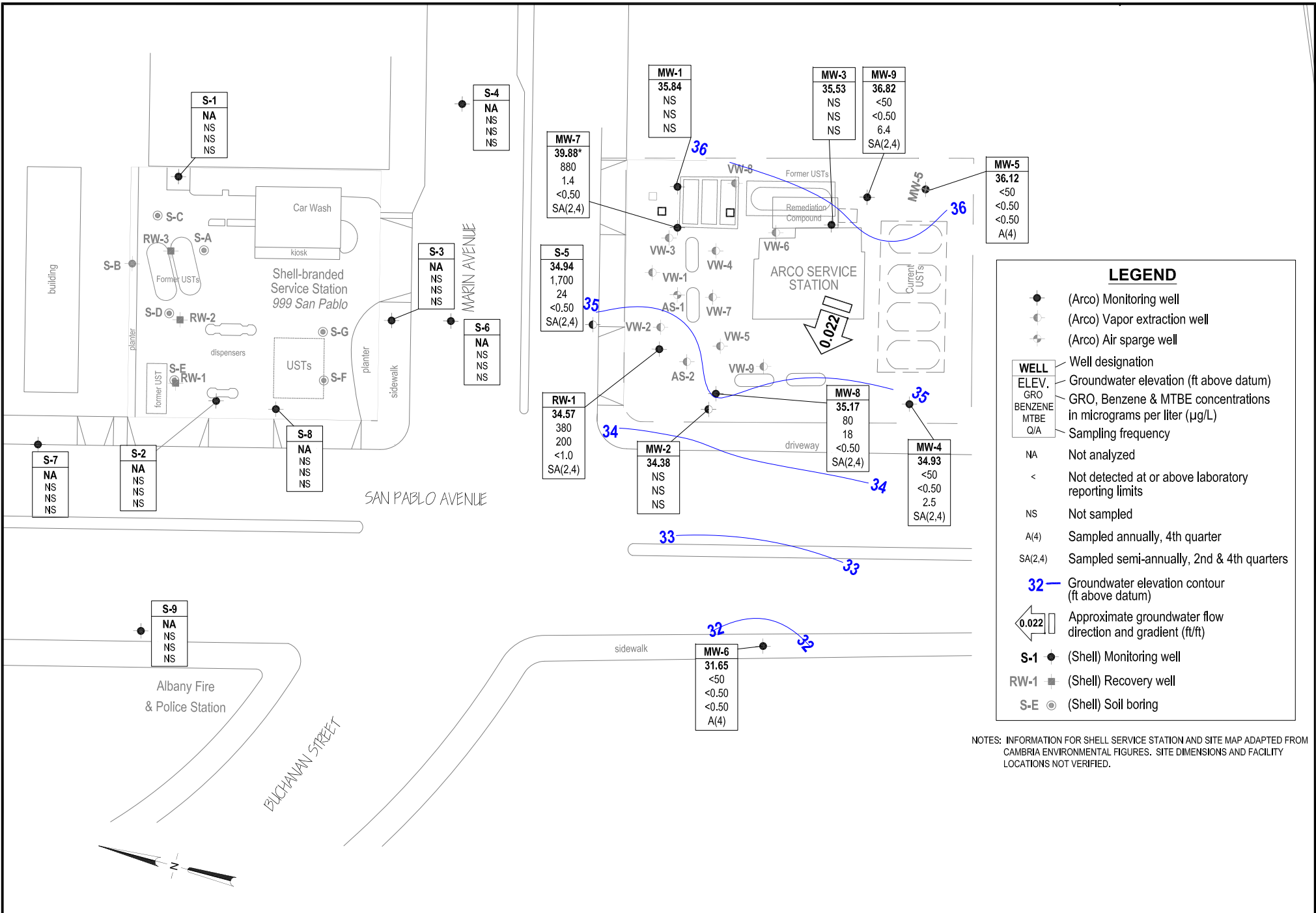
Project No.: 06-88-610 Date: 08/07/2009

ARCO Service Station #2035
1001 San Pablo Avenue
Albany, California

Site Location Map

Drawing

1



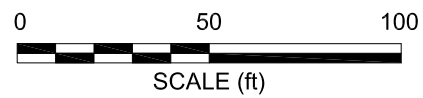
LEGEND

- (Arco) Monitoring well
- (Arco) Vapor extraction well
- (Arco) Air sparge well

| WELL | ELEV. | GRO | BENZENE | MTBE | Q/A |
|---------|-------|---|---------|------|--|
| | | GRO, Benzene & MTBE concentrations in micrograms per liter (µg/L) | | | |
| | | | | | Sampling frequency |
| NA | | | | | Not analyzed |
| < | | | | | Not detected at or above laboratory reporting limits |
| NS | | | | | Not sampled |
| A(4) | | | | | Sampled annually, 4th quarter |
| SA(2,4) | | | | | Sampled semi-annually, 2nd & 4th quarters |

- 32 — Groundwater elevation contour (ft above datum)
- 0.022 Approximate groundwater flow direction and gradient (ft/ft)
- S-1 ● (Shell) Monitoring well
- RW-1 ■ (Shell) Recovery well
- S-E ○ (Shell) Soil boring

NOTES: INFORMATION FOR SHELL SERVICE STATION AND SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



BROADBENT
 1324 Mangrove Ave. Suite 212
 Chico, California 95926
 Project No.: 06-88-610 Date: 1/22/2013

ARCO Service Station #2035
 1001 San Pablo Avenue
 Albany, California

Groundwater Elevation Contour
 and Analytical Summary Map
 December 6, 2012

Drawing
2

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|-----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| MW-1 | | | | | | | | | | | | | | |
| 4/11/2002 | P | 41.41 | 10.73 | 0.00 | 30.68 | 800 | 360 | <5.0 | <5.0 | <5.0 | <50 | -- | -- | |
| 11/27/2002 | P | | 10.22 | 0.00 | 31.19 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.7 | 1.1 | -- | |
| 6/3/2003 | -- | | 9.14 | 0.00 | 32.27 | 1,700 | 430 | <5.0 | 24 | 11 | 8.6 | 1.7 | -- | |
| 11/13/2003 | P | 43.55 | 10.17 | 0.00 | 33.38 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.95 | 2.3 | 6.5 | a |
| 05/12/2004 | P | | 9.28 | 0.00 | 34.27 | 120 | 7.2 | <0.50 | <0.50 | <0.50 | 3.0 | 1.6 | 6.0 | |
| 12/01/2004 | P | | 9.16 | 0.00 | 34.39 | <50 | 0.94 | <0.50 | <0.50 | 1.1 | 2.4 | 5.2 | 6.6 | |
| 05/02/2005 | P | | 8.58 | 0.00 | 34.97 | 1,300 | 390 | <5.0 | 12 | 6.4 | 8.8 | 2.8 | 6.5 | |
| 11/16/2005 | P | | 9.50 | 0.00 | 34.05 | <50 | <0.50 | <0.50 | <0.50 | 0.54 | 0.92 | 1.7 | 6.4 | |
| 5/31/2006 | P | | 7.36 | 0.00 | 36.19 | 850 | 200 | <2.5 | 5.4 | <2.5 | 4.0 | 2.4 | 6.5 | |
| 12/6/2006 | P | | 9.91 | 0.00 | 33.64 | <50 | 0.52 | <0.50 | <0.50 | <0.50 | 0.72 | 4.50 | 6.99 | |
| 5/15/2007 | P | | 9.65 | 0.00 | 33.90 | 67 | 6.6 | <0.50 | <0.50 | <0.50 | 1.8 | 2.43 | 6.96 | |
| 11/29/2007 | P | | 9.11 | 0.00 | 34.44 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.98 | 4.51 | 6.81 | |
| 5/6/2008 | P | | 8.25 | 0.00 | 35.30 | 890 | 140 | 0.53 | 5.4 | 5.8 | <0.50 | 1.89 | 6.61 | |
| 11/24/2008 | P | | 10.55 | 0.00 | 33.00 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.83 | 6.67 | |
| 4/9/2009 | -- | | 9.02 | 0.00 | 34.53 | -- | -- | -- | -- | -- | -- | -- | -- | d |
| 11/24/2009 | -- | | 9.24 | 0.00 | 34.31 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/26/2010 | -- | | 8.47 | 0.00 | 35.08 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/30/2010 | -- | | 8.62 | 0.00 | 34.93 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2/16/2011 | P | | 8.64 | 0.00 | 34.91 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/11/2011 | -- | | 8.24 | 0.00 | 35.31 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/28/2011 | -- | | 9.48 | 0.00 | 34.07 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/5/2012 | -- | | 8.62 | 0.00 | 34.93 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2012 | -- | | 7.71 | 0.00 | 35.84 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | | | | | | | | | | | | | | |
| 4/11/2002 | P | 40.38 | 11.05 | 0.00 | 29.33 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 24 | -- | -- | |
| 11/27/2002 | P | | 10.51 | 0.00 | 29.87 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.4 | 2.6 | -- | |
| 6/3/2003 | -- | | 9.78 | 0.00 | 30.60 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 23 | 1.7 | -- | |
| 11/13/2003 | P | 42.52 | 10.69 | 0.00 | 31.83 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 9.5 | 2.3 | 6.5 | a |
| 05/12/2004 | P | | 10.34 | 0.00 | 32.18 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 27 | 2.2 | 6.6 | |
| 12/01/2004 | P | | 10.28 | 0.00 | 32.24 | <50 | <0.50 | <0.50 | <0.50 | 0.70 | 17 | 3.9 | 6.6 | |

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

ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|-----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| MW-2 Cont. | | | | | | | | | | | | | | |
| 05/02/2005 | P | 42.52 | 9.50 | 0.00 | 33.02 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 25 | 3.1 | 6.6 | |
| 11/16/2005 | P | | 10.50 | 0.00 | 32.02 | <50 | <0.50 | <0.50 | <0.50 | 0.50 | 7.6 | 2.8 | 6.4 | |
| 5/31/2006 | P | | 10.03 | 0.00 | 32.49 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 24 | 2.0 | 6.6 | |
| 12/6/2006 | P | | 10.28 | 0.00 | 32.24 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.6 | 3.72 | 6.91 | |
| 5/15/2007 | P | | 10.00 | 0.00 | 32.52 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 44 | 2.90 | 6.69 | |
| 11/29/2007 | P | | 10.13 | 0.00 | 32.39 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.9 | 4.83 | 6.89 | |
| 5/6/2008 | P | | 9.55 | 0.00 | 32.97 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 35 | 1.88 | 6.62 | |
| 11/24/2008 | P | | 10.70 | 0.00 | 31.82 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 4.3 | 1.83 | 6.74 | |
| 4/9/2009 | -- | 42.57 | 9.68 | 0.00 | 32.89 | -- | -- | -- | -- | -- | -- | -- | -- | d |
| 11/24/2009 | -- | | 10.48 | 0.00 | 32.09 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/26/2010 | -- | | 9.65 | 0.00 | 32.92 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/30/2010 | -- | | 9.84 | 0.00 | 32.73 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2/16/2011 | P | | 9.39 | 0.00 | 33.18 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/11/2011 | -- | | 9.68 | 0.00 | 32.89 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/28/2011 | -- | | 10.12 | 0.00 | 32.45 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/5/2012 | -- | | 10.20 | 0.00 | 32.37 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2012 | -- | | 8.19 | 0.00 | 34.38 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | | | | | | | | | | | | | | |
| 4/11/2002 | P | 41.44 | 11.05 | 0.00 | 30.39 | 250 | 9.4 | <0.50 | <0.50 | <0.50 | 120 | -- | -- | |
| 11/27/2002 | P | | 10.49 | 0.00 | 30.95 | <100 | <1.0 | <1.0 | <1.0 | 2.5 | 56 | 2.2 | -- | |
| 6/3/2003 | -- | | 9.44 | 0.00 | 32.00 | 130 | <0.50 | <0.50 | <0.50 | <0.50 | 47 | 4.1 | -- | |
| 11/13/2003 | P | 43.62 | 10.68 | 0.00 | 32.94 | 53 | <0.50 | <0.50 | <0.50 | <0.50 | 36 | 3.8 | 6.8 | a |
| 05/12/2004 | P | | 9.95 | 0.00 | 33.67 | 65 | <0.50 | <0.50 | <0.50 | <0.50 | 39 | 4.2 | 6.9 | |
| 12/01/2004 | P | | 10.32 | 0.00 | 33.30 | 140 | <0.50 | <0.50 | <0.50 | <0.50 | 37 | 4.3 | 6.9 | |
| 05/02/2005 | P | | 9.12 | 0.00 | 34.50 | 140 | <0.50 | <0.50 | <0.50 | <0.50 | 23 | 3.1 | 6.7 | |
| 11/16/2005 | P | | 10.58 | 0.00 | 33.04 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 32 | 4.1 | 6.5 | |
| 5/31/2006 | P | | 9.41 | 0.00 | 34.21 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 20 | 4.3 | 6.8 | |
| 12/6/2006 | P | | 10.25 | 0.00 | 33.37 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 20 | 2.71 | 7.00 | |
| 5/15/2007 | P | | 9.70 | 0.00 | 33.92 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 40 | 5.89 | 7.07 | |
| 11/29/2007 | P | | 10.08 | 0.00 | 33.54 | 90 | <0.50 | <0.50 | <0.50 | <0.50 | 35 | 4.74 | 6.61 | |

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

ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|-----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| MW-3 Cont. | | | | | | | | | | | | | | |
| 5/6/2008 | P | 43.62 | 10.02 | 0.00 | 33.60 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 14 | 2.05 | 6.61 | |
| 11/24/2008 | P | | 10.80 | 0.00 | 32.82 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | 28 | 1.98 | 6.77 | |
| 4/9/2009 | -- | 43.63 | 9.55 | 0.00 | 34.08 | -- | -- | -- | -- | -- | -- | -- | -- | d |
| 11/24/2009 | -- | | 10.29 | 0.00 | 33.34 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/26/2010 | -- | | 9.76 | 0.00 | 33.87 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/30/2010 | -- | | 10.15 | 0.00 | 33.48 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2/16/2011 | P | | 9.22 | 0.00 | 34.41 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/11/2011 | -- | | 9.55 | 0.00 | 34.08 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/28/2011 | -- | | 10.06 | 0.00 | 33.57 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/5/2012 | -- | | 9.92 | 0.00 | 33.71 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2012 | -- | | 8.10 | 0.00 | 35.53 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | | | | | | | | | | | | | | |
| 4/11/2002 | NP | 40.33 | 10.81 | 0.00 | 29.52 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 11 | -- | -- | |
| 11/27/2002 | NP | | 10.09 | 0.00 | 30.24 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.5 | 1.8 | -- | |
| 6/3/2003 | -- | | 8.62 | 0.00 | 31.71 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 120 | 1.1 | -- | |
| 11/13/2003 | NP | 42.48 | 9.98 | 0.00 | 32.50 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 20 | 1.3 | 6.2 | a |
| 05/12/2004 | P | | 9.48 | 0.00 | 33.00 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 79 | 2.9 | 6.6 | |
| 12/01/2004 | NP | | 9.60 | 0.00 | 32.88 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.8 | 1.9 | 6.7 | |
| 05/02/2005 | NP | | 8.67 | 0.00 | 33.81 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 11 | 2.8 | 6.6 | |
| 11/16/2005 | NP | | 10.00 | 0.00 | 32.48 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.93 | 1.7 | 6.3 | |
| 5/31/2006 | NP | | 8.52 | 0.00 | 33.96 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.4 | 1.0 | 7.0 | |
| 12/6/2006 | NP | | 9.90 | 0.00 | 32.58 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 7.8 | 0.85 | 7.10 | |
| 5/15/2007 | NP | | 9.18 | 0.00 | 33.30 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.2 | 1.37 | 6.85 | |
| 11/29/2007 | NP | | 9.10 | 0.00 | 33.38 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 9.1 | 1.81 | 7.14 | |
| 5/6/2008 | P | | 9.40 | 0.00 | 33.08 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 10 | 2.61 | 6.91 | |
| 11/24/2008 | NP | | 10.20 | 0.00 | 32.28 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.67 | 6.88 | |
| 4/9/2009 | P | 42.51 | 9.00 | 0.00 | 33.51 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 12 | 2.51 | 7.11 | d |
| 11/24/2009 | P | | 9.89 | 0.00 | 32.62 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.7 | 0.80 | 6.58 | |
| 5/26/2010 | P | | 8.79 | 0.00 | 33.72 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.4 | 0.98 | 6.0 | |
| 11/30/2010 | P | | 9.31 | 0.00 | 33.20 | -- | -- | -- | -- | -- | -- | 1.40 | 6.4 | f |

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

ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| MW-4 Cont. | | | | | | | | | | | | | | |
| 2/16/2011 | P | 42.51 | 8.50 | 0.00 | 34.01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.1 | 0.91 | 7.1 | |
| 5/11/2011 | P | | 8.80 | 0.00 | 33.71 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.75 | 1.43 | 6.8 | |
| 11/28/2011 | P | | 9.53 | 0.00 | 32.98 | <50 | <0.50 | 0.61 | <0.50 | 0.69 | 0.67 | 0.75 | 6.8 | |
| 6/5/2012 | P | | 9.40 | 0.00 | 33.11 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.2 | 1.66 | 6.67 | |
| 12/6/2012 | P | | 7.58 | 0.00 | 34.93 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 2.5 | 4.27 | 7.50 | |
| MW-5 | | | | | | | | | | | | | | |
| 4/11/2002 | NP | 41.84 | 10.63 | 0.00 | 31.21 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | -- | -- | |
| 11/27/2002 | NP | | 10.65 | 0.00 | 31.19 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/3/2003 | -- | | 8.92 | 0.00 | 32.92 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.8 | -- | |
| 11/13/2003 | NP | 44.03 | 10.58 | 0.00 | 33.45 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.79 | 1.4 | 5.7 | a |
| 05/12/2004 | -- | | 9.95 | 0.00 | 34.08 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/01/2004 | NP | | 10.05 | 0.00 | 33.98 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.55 | 1.8 | 6.3 | |
| 05/02/2005 | -- | | 8.75 | 0.00 | 35.28 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/16/2005 | NP | | 10.37 | 0.00 | 33.66 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.3 | 6.2 | |
| 5/31/2006 | -- | | 9.07 | 0.00 | 34.96 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2006 | NP | | 10.25 | 0.00 | 33.78 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.99 | 1.24 | 6.88 | |
| 5/15/2007 | -- | | 9.51 | 0.00 | 34.52 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/29/2007 | NP | | 9.95 | 0.00 | 34.08 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.93 | 6.98 | |
| 5/6/2008 | -- | | 9.67 | 0.00 | 34.36 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/24/2008 | NP | | 10.62 | 0.00 | 33.41 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.43 | 6.52 | |
| 4/9/2009 | -- | | 12.00 | 0.00 | 32.03 | -- | -- | -- | -- | -- | -- | -- | -- | d |
| 11/24/2009 | P | | 10.34 | 0.00 | 33.69 | <50 | <0.50 | 1.4 | <0.50 | <0.50 | 0.89 | 0.94 | 6.1 | |
| 5/26/2010 | -- | | 9.21 | 0.00 | 34.82 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/30/2010 | P | | 9.85 | 0.00 | 34.18 | -- | -- | -- | -- | -- | -- | -- | 6.17 | f |
| 2/16/2011 | P | | 9.01 | 0.00 | 35.02 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.23 | 6.9 | |
| 5/11/2011 | -- | | 9.44 | 0.00 | 34.59 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/28/2011 | P | | 10.06 | 0.00 | 33.97 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.10 | 6.5 | |
| 6/5/2012 | -- | | 9.88 | 0.00 | 34.15 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2012 | P | | 7.91 | 0.00 | 36.12 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | 4.44 | 7.26 | |

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| MW-6 | | | | | | | | | | | | | | |
| 4/11/2002 | NP | 40.13 | 11.42 | 0.00 | 28.71 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | -- | -- | |
| 11/27/2002 | NP | | 13.11 | 0.00 | 27.02 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.3 | -- | |
| 6/3/2003 | -- | | 12.48 | 0.00 | 27.65 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.1 | -- | |
| 11/13/2003 | NP | 42.26 | 13.11 | 0.00 | 29.15 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.2 | 6.8 | a |
| 05/12/2004 | -- | | 12.68 | 0.00 | 29.58 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/01/2004 | NP | | 12.68 | 0.00 | 29.58 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.7 | 7.3 | |
| 05/02/2005 | -- | | 12.25 | 0.00 | 30.01 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/16/2005 | NP | | 12.98 | 0.00 | 29.28 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.2 | 6.7 | |
| 5/31/2006 | -- | | 12.35 | 0.00 | 29.91 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2006 | NP | | 12.98 | 0.00 | 29.28 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.24 | 6.86 | |
| 5/15/2007 | -- | | 12.55 | 0.00 | 29.71 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/29/2007 | NP | | 12.75 | 0.00 | 29.51 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | -- | 6.93 | |
| 5/6/2008 | -- | | 12.91 | 0.00 | 29.35 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/24/2008 | NP | | 13.20 | 0.00 | 29.06 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.28 | 7.25 | |
| 4/9/2009 | -- | 42.31 | 12.52 | 0.00 | 29.79 | -- | -- | -- | -- | -- | -- | -- | -- | d |
| 11/24/2009 | P | | 12.90 | 0.00 | 29.41 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.83 | 6.59 | |
| 5/26/2010 | -- | | 12.17 | 0.00 | 30.14 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/30/2010 | P | | 12.45 | 0.00 | 29.86 | -- | -- | -- | -- | -- | -- | 1.20 | 7.2 | f |
| 2/16/2011 | P | | 11.95 | 0.00 | 30.36 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.02 | 6.9 | |
| 5/11/2011 | -- | | 12.35 | 0.00 | 29.96 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/28/2011 | P | | 12.62 | 0.00 | 29.69 | <50 | <0.50 | 0.74 | <0.50 | 0.64 | <0.50 | 0.91 | 7.2 | |
| 6/5/2012 | -- | | 12.60 | 0.00 | 29.71 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/6/2012 | P | | 10.66 | 0.00 | 31.65 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | 3.33 | 7.85 | |
| MW-7 | | | | | | | | | | | | | | |
| 4/9/2009 | P | 43.18 | 6.73 | 0.00 | 36.45 | 4,100 | 5.2 | 1.7 | 21 | 21 | <0.50 | 8.41 | 7.79 | d |
| 11/24/2009 | P | | 8.31 | 0.00 | 34.87 | 2,700 | 4.1 | 1.1 | 3.3 | 3.0 | <0.50 | 0.60 | 6.8 | c |
| 5/26/2010 | P | | 6.62 | 0.00 | 36.56 | 1,800 | 1.2 | 0.53 | 2.2 | 0.84 | <0.50 | 0.71 | 6.6 | |
| 11/30/2010 | P | | 6.84 | 0.00 | 36.34 | -- | -- | -- | -- | -- | -- | 0.79 | 6.7 | f |
| 2/16/2011 | P | | 5.44 | 0.00 | 37.74 | 2,000 | 1.4 | 0.84 | 8.0 | 1.4 | <0.50 | 0.56 | 7.0 | g |
| 5/11/2011 | P | | 6.98 | 0.00 | 36.20 | 84 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.76 | 7.1 | lw |

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

ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| MW-7 Cont. | | | | | | | | | | | | | | |
| 11/28/2011 | P | 43.18 | 7.13 | 0.00 | 36.05 | 850 | 0.55 | 1.3 | <0.50 | 2.5 | <0.50 | 0.38 | 7.3 | lw |
| 6/5/2012 | P | | 7.65 | 0.00 | 35.53 | 1,300 | 0.97 | 0.59 | 0.95 | 0.64 | <0.50 | 1.95 | 7.04 | |
| 12/6/2012 | P | | 3.30 | 0.00 | 39.88 | 880 | 1.4 | 0.57 | 1.4 | <1.0 | <0.50 | 4.90 | 7.78 | |
| MW-8 | | | | | | | | | | | | | | |
| 4/9/2009 | P | 42.36 | 9.50 | 0.00 | 32.86 | 4,300 | 940 | 260 | 150 | 590 | 110 | 2.09 | 7.62 | d |
| 11/24/2009 | P | | 10.25 | 0.00 | 32.11 | 28,000 | 9,900 | 670 | 1,300 | 2,200 | <100 | 0.64 | 6.48 | c |
| 5/26/2010 | P | | 9.25 | 0.00 | 33.11 | 1,400 | 420 | <10 | 21 | <10 | <10 | 0.78 | 6.6 | |
| 11/30/2010 | P | | 9.68 | 0.00 | 32.68 | -- | -- | -- | -- | -- | -- | 2.26 | 6.6 | f |
| 2/16/2011 | P | | 8.95 | 0.00 | 33.41 | 960 | 270 | <5.0 | 50 | <5.0 | <5.0 | 3.35 | 6.9 | g |
| 5/11/2011 | P | | 9.43 | 0.00 | 32.93 | 1,200 | 290 | <4.0 | 57 | 4.5 | <4.0 | 0.94 | 7.2 | lw |
| 11/28/2011 | P | | 9.85 | 0.00 | 32.51 | <50 | <0.50 | 0.59 | <0.50 | 0.53 | <0.50 | 3.64 | 7.2 | |
| 6/5/2012 | P | | 9.72 | 0.00 | 32.64 | 890 | 170 | 1.9 | 92 | 16 | 2.1 | 1.31 | 6.99 | |
| 12/6/2012 | P | | 7.19 | 0.00 | 35.17 | 80 | 18 | <0.50 | 6.8 | 1.2 | <0.50 | 6.59 | 8.01 | |
| MW-9 | | | | | | | | | | | | | | |
| 4/9/2009 | P | 43.77 | 8.95 | 0.00 | 34.82 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.1 | 2.81 | 7.58 | d |
| 11/24/2009 | P | | 10.11 | 0.00 | 33.66 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.8 | -- | 6.3 | |
| 5/26/2010 | P | | 8.88 | 0.00 | 34.89 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.9 | 0.66 | 5.7 | |
| 11/30/2010 | P | | 9.56 | 0.00 | 34.21 | -- | -- | -- | -- | -- | -- | 0.64 | 6.3 | f |
| 2/16/2011 | P | | 8.65 | 0.00 | 35.12 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.8 | 0.55 | 6.6 | |
| 5/11/2011 | P | | 9.06 | 0.00 | 34.71 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.2 | 1.22 | 6.6 | |
| 11/28/2011 | P | | 9.75 | 0.00 | 34.02 | <50 | <0.50 | 0.70 | <0.50 | 0.72 | 9.1 | 0.50 | 6.8 | |
| 6/5/2012 | P | | 9.57 | 0.00 | 34.20 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 4.8 | 1.45 | 6.32 | |
| 12/6/2012 | P | | 6.95 | 0.00 | 36.82 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 6.4 | 2.25 | 7.23 | |
| RW-1 | | | | | | | | | | | | | | |
| 4/11/2002 | P | 40.33 | 9.20 | 0.00 | 31.13 | 15,000 | 750 | 2,000 | 380 | 2,000 | 1,500 | -- | -- | |
| 11/27/2002 | P | | 10.31 | 0.00 | 30.02 | <2,500 | 720 | <25 | <25 | <25 | <25 | 1.8 | -- | |
| 6/3/2003 | -- | | 9.54 | 0.00 | 30.79 | 470 | 78 | 0.97 | 4.3 | 9 | 48 | 1.4 | -- | |
| 11/13/2003 | P | 42.35 | 10.35 | 0.00 | 32.00 | 130 | 29 | <0.50 | <0.50 | <0.50 | 44 | 1.3 | 6.6 | a |
| 05/12/2004 | P | | 9.80 | 0.00 | 32.55 | <250 | 66 | <2.5 | <2.5 | <2.5 | <2.5 | 1.9 | 6.9 | |

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|------------|------------|----------------|----------------|----------------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| RW-1 Cont. | | | | | | | | | | | | | | |
| 09/02/2004 | -- | 42.35 | 10.42 | 0.00 | 31.93 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/07/2004 | -- | | 10.36 | 0.00 | 31.99 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/04/2004 | -- | | 9.93 | 0.00 | 32.42 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/01/2004 | P | | 10.02 | 0.00 | 32.33 | <250 | 96 | <2.5 | <2.5 | <2.5 | 16 | 1.8 | 6.7 | |
| 05/02/2005 | P | | 9.20 | 0.00 | 33.15 | 230 | 100 | <1.0 | <1.0 | <1.0 | 50 | 2.5 | 6.6 | |
| 11/16/2005 | P | | 10.96 | 0.00 | 31.39 | <100 | 28 | <1.0 | <1.0 | <1.0 | 32 | 1.0 | 6.5 | |
| 5/31/2006 | P | | 9.34 | 0.00 | 33.01 | 320 | 32 | <0.50 | <0.50 | <0.50 | 28 | 1.3 | 6.8 | |
| 12/6/2006 | P | | 10.10 | 0.00 | 32.25 | 50 | 27 | <0.50 | <0.50 | <0.50 | 19 | 1.49 | 7.54 | |
| 5/15/2007 | P | | 9.42 | 0.00 | 32.93 | 280 | 32 | <0.50 | <0.50 | <0.50 | 18 | 2.61 | 7.10 | |
| 11/29/2007 | P | | 9.75 | 0.00 | 32.60 | <50 | 14 | <0.50 | <0.50 | <0.50 | 18 | 4.86 | 8.14 | |
| 5/6/2008 | P | | 9.71 | 0.00 | 32.64 | 610 | 110 | <2.5 | <2.5 | <2.5 | 2.6 | 2.48 | 6.95 | |
| 11/24/2008 | P | | 10.48 | 0.00 | 31.87 | 73 | 31 | <0.50 | <0.50 | <0.50 | 11 | 2.53 | 6.88 | |
| 4/9/2009 | P | 42.23 | 9.46 | 0.00 | 32.77 | 720 | 36 | <0.50 | 1.0 | 1.2 | 4.0 | 2.58 | 7.73 | d |
| 11/24/2009 | P | | 10.15 | 0.00 | 32.08 | <50 | 2.0 | <0.50 | <0.50 | <0.50 | 6.5 | 0.85 | 6.6 | |
| 5/26/2010 | P | | 9.12 | 0.00 | 33.11 | 90 | 11 | <0.50 | <0.50 | <0.50 | 0.94 | 1.46 | 6.4 | |
| 11/30/2010 | P | | 9.38 | 0.00 | 32.85 | -- | -- | -- | -- | -- | -- | 2.10 | 7.2 | f |
| 2/16/2011 | P | | 9.15 | 0.00 | 33.08 | 1,600 | 370 | 2.9 | 2.6 | 2.9 | 1.3 | 0.76 | 7.0 | |
| 5/11/2011 | P | | 9.56 | 0.00 | 32.67 | 1,600 | 79 | <2.0 | <2.0 | 2.0 | <2.0 | 0.91 | 7.4 | lw |
| 11/28/2011 | P | | 9.69 | 0.00 | 32.54 | <50 | <0.50 | 0.54 | <0.50 | <0.50 | <0.50 | 3.05 | 7.3 | |
| 6/5/2012 | P | | 9.63 | 0.00 | 32.60 | 1,000 | 49 | 1.3 | <0.50 | 0.86 | <0.50 | 1.43 | 6.75 | |
| 12/6/2012 | P | | 7.66 | 0.00 | 34.57 | 380 | 200 | 1.5 | <1.0 | <2.0 | <1.0 | 1.52 | 7.34 | |
| S-5 | | | | | | | | | | | | | | |
| 4/11/2002 | P | 40.33 | 10.17 | 0.00 | 30.16 | 30,000 | 390 | 1,400 | 410 | 7,400 | <500 | -- | -- | |
| 11/27/2002 | P | | 9.77 | 0.00 | 30.56 | 55,000 | 1,300 | 450 | 1,400 | 13,000 | <50 | 4.3 | -- | |
| 6/3/2003 | -- | | 9.03 | 0.00 | 31.30 | 44,000 | 680 | 260 | 1,100 | 9,900 | <25 | 1.9 | -- | |
| 6/3/2003 | -- | | 9.12 | 0.00 | 31.21 | 44,000 | 680 | 260 | 1,100 | 9,900 | <25 | 1.9 | -- | |
| 6/3/2003 | -- | | 9.03 | 0.00 | 31.30 | -- | -- | -- | -- | -- | <25 | 1.4 | -- | |
| 6/3/2003 | -- | | 9.12 | 0.00 | 31.21 | -- | -- | -- | -- | -- | <25 | 1.4 | -- | |
| 11/13/2003 | P | 41.83 | 9.12 | 0.00 | 32.71 | 31,000 | 520 | 120 | 690 | 5,900 | <50 | 1.4 | 6.5 | a |
| 05/12/2004 | P | | 9.95 | 0.00 | 31.88 | 28,000 | 760 | 79 | 910 | 5,000 | <50 | 1.9 | 6.6 | |

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | Depth to Water (feet) | LNAPL Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-----------------------|------------------------|------------------------------|------------------------|-----------|------------|---------------|---------------|-----------------|-------------|-------------|-------------|
| | | | | | | GRO/TPHg | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE | | | |
| S-5 Cont. | | | | | | | | | | | | | | |
| 12/01/2004 | P | 41.83 | 9.61 | 0.00 | 32.22 | 26,000 | 1,500 | 64 | 1,400 | 4,000 | <25 | -- | 6.5 | b |
| 05/02/2005 | P | | 8.80 | 0.00 | 33.03 | 13,000 | 700 | 18 | 260 | 1,300 | <5.0 | 1.8 | 6.4 | |
| 11/16/2005 | P | | 9.80 | 0.00 | 32.03 | 15,000 | 1,400 | 25 | 570 | 850 | <5.0 | 1.1 | 6.3 | |
| 5/31/2006 | P | | 8.89 | 0.00 | 32.94 | 9,800 | 170 | <5.0 | 490 | 390 | <5.0 | 1.4 | 6.6 | |
| 12/6/2006 | P | | 9.65 | 0.00 | 32.18 | 16,000 | 1,100 | <25 | 1,700 | 970 | <25 | 1.23 | 6.95 | |
| 5/15/2007 | P | | 8.89 | 0.00 | 32.94 | 10,000 | 140 | <5.0 | 340 | 310 | <5.0 | 3.63 | 7.10 | |
| 11/29/2007 | P | | 9.48 | 0.00 | 32.35 | 13,000 | 770 | 8.6 | 500 | 360 | <2.5 | 5.42 | 7.28 | c (Benzene) |
| 5/6/2008 | P | | 9.30 | 0.00 | 32.53 | 7,400 | 320 | 2.8 | 580 | 130 | <0.50 | 3.37 | 6.88 | |
| 11/24/2008 | P | | 10.00 | 0.00 | 31.83 | 7,700 | 400 | <10 | 390 | 14 | <10 | 3.22 | 6.43 | |
| 4/9/2009 | P | | 8.90 | 0.00 | 32.93 | 7,700 | 230 | <10 | 370 | 35 | <10 | 3.14 | 7.77 | |
| 11/24/2009 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | e |
| 5/26/2010 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | e |
| 11/30/2010 | P | | 8.92 | 0.00 | 32.91 | -- | -- | -- | -- | -- | -- | 0.62 | 6.6 | f |
| 2/16/2011 | P | | 8.57 | 0.00 | 33.26 | 2,700 | 26 | <0.50 | 11 | 3.2 | <0.50 | 1.34 | 7.5 | |
| 5/11/2011 | P | | 8.85 | 0.00 | 32.98 | 1,500 | 19 | 0.58 | 9.7 | 2.2 | <0.50 | 0.72 | 6.8 | lw |
| 11/28/2011 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | e |
| 6/5/2012 | P | | 9.00 | 0.00 | 32.83 | 1,700 | 29 | 0.99 | 2.1 | 0.60 | <0.50 | 1.44 | 6.68 | |
| 12/6/2012 | P | | 6.89 | 0.00 | 34.94 | 1,700 | 24 | 1.7 | 3.3 | 2.0 | <0.50 | 2.95 | 7.51 | |

Symbols & Abbreviations:

-- = 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 = Site resurveyed by URS on 10/15/03 to NAVD '88
b = Sheen in well
c = Sample taken from VOA vial with air bubble >6mm
d = Well surveyed on 4/20/09
e = Well not monitored or sampled due to traffic control safety concerns
f = Samples were collected on 11/30/2010 but not able to be analyzed (frozen). Subsequent re-sampling could not occur in 4Q 2010
g = Quantitation of unknown hydrocarbon(s) in sample based on gasoline
lw = Quantitated against gasoline

Notes:

No sampling occurs at this site during the first and third quarters of each calendar year

TPH-g analyzed using EPA Method 8015, Modified and BTEX and MTBE by EPA method 8260B

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

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

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 #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------|-------|-------|-------|-------|---------|-------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-1 | | | | | | | | | |
| 4/11/2002 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | 1.7 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <1000 | <200 | 8.6 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 11/13/2003 | <100 | <20 | 0.95 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 05/12/2004 | <100 | <20 | 3.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/01/2004 | <100 | <20 | 2.4 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 05/02/2005 | <1,000 | 220 | 8.8 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 11/16/2005 | <100 | <20 | 0.92 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/31/2006 | <1,500 | <100 | 4.0 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | a |
| 12/6/2006 | <300 | <20 | 0.72 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/15/2007 | <300 | <20 | 1.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/29/2007 | <300 | <20 | 0.98 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/6/2008 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2008 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-2 | | | | | | | | | |
| 4/11/2002 | -- | -- | 24 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | 5.4 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <100 | <20 | 23 | <0.50 | <0.50 | <0.50 | 0.94 | <0.50 | |
| 11/13/2003 | <100 | <20 | 9.5 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 05/12/2004 | <500 | <100 | 27 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 12/01/2004 | <100 | <20 | 17 | <0.50 | <0.50 | <0.50 | 0.74 | <0.50 | |
| 05/02/2005 | <100 | 75 | 25 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/16/2005 | <100 | <20 | 7.6 | <0.50 | <0.50 | <0.50 | 0.79 | <0.50 | a |
| 5/31/2006 | <300 | <20 | 24 | <0.50 | <0.50 | <0.50 | 0.66 | <0.50 | a |
| 12/6/2006 | <300 | <20 | 1.6 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/15/2007 | <300 | <20 | 44 | <0.50 | <0.50 | <0.50 | 1.2 | <0.50 | |
| 11/29/2007 | <300 | <20 | 1.9 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/6/2008 | <300 | <10 | 35 | <0.50 | <0.50 | <0.50 | 0.93 | <0.50 | |
| 11/24/2008 | <300 | <10 | 4.3 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-3 | | | | | | | | | |

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------|-------|-------|-------|-------|---------|-------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-3 Cont. | | | | | | | | | |
| 4/11/2002 | -- | -- | 120 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | 56 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <100 | <20 | 47 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/13/2003 | <100 | <20 | 36 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 05/12/2004 | <100 | <20 | 39 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/01/2004 | <100 | <20 | 37 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 05/02/2005 | <100 | <20 | 23 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/16/2005 | <100 | <20 | 32 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/31/2006 | <300 | <20 | 20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 12/6/2006 | <300 | <20 | 20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/15/2007 | <300 | <20 | 40 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/29/2007 | <300 | <20 | 35 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/6/2008 | <300 | <10 | 14 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2008 | <600 | <20 | 28 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| MW-4 | | | | | | | | | |
| 4/11/2002 | -- | -- | 11 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | 6.5 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <500 | <100 | 120 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 11/13/2003 | <100 | <20 | 20 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 05/12/2004 | <500 | <100 | 79 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 12/01/2004 | <100 | <20 | 1.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 05/02/2005 | <100 | 75 | 11 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/16/2005 | <100 | <20 | 0.93 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/31/2006 | <300 | <20 | 2.4 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 12/6/2006 | <300 | <20 | 7.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/15/2007 | <300 | <20 | 2.2 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/29/2007 | <300 | <20 | 9.1 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/6/2008 | <300 | <10 | 10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2008 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 4/9/2009 | <300 | <10 | 12 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2009 | <300 | <10 | 1.7 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-4 Cont. | | | | | | | | | |
| 5/26/2010 | <300 | <10 | 1.4 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/16/2011 | <300 | <10 | 2.1 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/11/2011 | <300 | <10 | 0.75 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/28/2011 | <300 | <10 | 0.67 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2012 | <300 | <10 | 1.2 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | 2.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-5 | | | | | | | | | |
| 4/11/2002 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/13/2003 | <100 | <20 | 0.79 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 12/01/2004 | <100 | <20 | 0.55 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/16/2005 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 12/6/2006 | <300 | <20 | 0.99 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 11/29/2007 | <300 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2008 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2009 | <300 | <10 | 0.89 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/16/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/28/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-6 | | | | | | | | | |
| 4/11/2002 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | <0.50 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/13/2003 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 12/01/2004 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/16/2005 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 12/6/2006 | <300 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 11/29/2007 | <300 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2008 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2009 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|----------------------------|------------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-6 Cont. | | | | | | | | | |
| 2/16/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/28/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-7 | | | | | | | | | |
| 4/9/2009 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2009 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | b |
| 5/26/2010 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/16/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/11/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/28/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2012 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-8 | | | | | | | | | |
| 4/9/2009 | <300 | 330 | 110 | 5.5 | <0.50 | <0.50 | 34 | <0.50 | |
| 11/24/2009 | <60,000 | <2,000 | <100 | <100 | <100 | <100 | <100 | <100 | b |
| 5/26/2010 | <6,000 | <200 | <10 | <10 | <10 | <10 | <10 | <10 | |
| 2/16/2011 | <3,000 | <100 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 5/11/2011 | <2,400 | <80 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | |
| 11/28/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2012 | <300 | 38 | 2.1 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| MW-9 | | | | | | | | | |
| 4/9/2009 | <300 | <10 | 2.1 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2009 | <300 | <10 | 3.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/26/2010 | <300 | <10 | 1.9 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/16/2011 | <300 | <10 | 3.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/11/2011 | <300 | <10 | 1.2 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/28/2011 | <300 | <10 | 9.1 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2012 | <300 | <10 | 4.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | 6.4 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| RW-1 | | | | | | | | | |
| 4/11/2002 | -- | -- | 1,500 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | <25 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <100 | 22 | 48 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/13/2003 | <100 | <20 | 44 | <0.50 | <0.50 | <0.50 | -- | -- | |
| 05/12/2004 | <500 | <100 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 12/01/2004 | <500 | <100 | 16 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 05/02/2005 | <200 | <40 | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 11/16/2005 | <200 | <40 | 32 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | a |
| 5/31/2006 | <300 | <20 | 28 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 12/6/2006 | <300 | <20 | 19 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | a |
| 5/15/2007 | <300 | <20 | 18 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/29/2007 | <300 | <20 | 18 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/6/2008 | <1,500 | <50 | 2.6 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 11/24/2008 | <300 | <10 | 11 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 4/9/2009 | <300 | <10 | 4.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2009 | <300 | <10 | 6.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/26/2010 | <300 | <10 | 0.94 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/16/2011 | <300 | <10 | 1.3 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/11/2011 | <1,200 | <40 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | |
| 11/28/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2012 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <300 | <20 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| S-5 | | | | | | | | | |
| 4/11/2002 | -- | -- | <500 | -- | -- | -- | -- | -- | |
| 11/27/2002 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 6/3/2003 | <5,000 | <1,000 | <25 | <25 | <25 | <25 | <25 | <25 | |
| 6/3/2003 | <5,000 | <1,000 | <25 | <25 | <25 | <25 | <25 | <25 | |
| 6/3/2003 | <5,000 | <1,000 | <25 | <25 | <25 | <25 | <25 | <25 | |
| 6/3/2003 | <5,000 | <1,000 | <25 | <25 | <25 | <25 | <25 | <25 | |
| 11/13/2003 | <10,000 | <2,000 | <50 | <50 | <50 | <50 | -- | -- | |
| 05/12/2004 | <10,000 | <2,000 | <50 | <50 | <50 | <50 | <50 | <50 | |

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| S-5 Cont. | | | | | | | | | |
| 12/01/2004 | <5,000 | <1,000 | <25 | <25 | <25 | <25 | <25 | <25 | |
| 05/02/2005 | <1,000 | <200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 11/16/2005 | <1,000 | <200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | a |
| 5/31/2006 | <3,000 | <200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | a |
| 12/6/2006 | <15,000 | <1,000 | <25 | <25 | <25 | <25 | <25 | <25 | a |
| 5/15/2007 | <3,000 | <200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 11/29/2007 | <1,500 | <100 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 5/6/2008 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/24/2008 | <6,000 | <200 | <10 | <10 | <10 | <10 | <10 | <10 | |
| 4/9/2009 | <6,000 | <200 | <10 | <10 | <10 | <10 | <10 | <10 | |
| 2/16/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/11/2011 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2012 | <300 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/6/2012 | <150 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |

Symbols & Abbreviations:

-- = Not analyzed/applicable/measured/available

< = Not detected at or above the laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Diisopropyl 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

Footnote:

a = Calibration verification for ethanol was within method limits but outside contract limits

b = Sample taken from VOA vial with air bubble > 6mm diameter

c = LW Quantitated against gasoline

Notes:

All volatile organic compounds analyzed using EPA Method 8260B

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 Groundwater Gradient - Direction and Magnitude

ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

| Date Measured | Approximate Gradient Direction | Approximate Gradient Magnitude (ft/ft) |
|----------------------|---------------------------------------|---|
| 4/11/2002 | Southwest | 0.012 |
| 11/27/2002 | West | 0.021 |
| 6/3/2003 | West | 0.024 |
| 11/13/2003 | West (offsite Northwest) | 0.015 |
| 5/12/2004 | West | 0.020 |
| 12/1/2004 | West | 0.030 |
| 5/2/2005 | West | 0.02 |
| 11/16/2005 | West | 0.03 |
| 5/31/2006 | West | 0.04 |
| 12/6/2006 | West | 0.01 |
| 5/15/2007 | West | 0.02 |
| 11/29/2007 | West | 0.02 |
| 5/6/2008 | West | 0.007 |
| 11/24/2008 | West | 0.02 |
| 4/9/2009 | West | 0.02 |
| 11/24/2009 | West | 0.03 |
| 5/26/2010 | West | 0.02 |
| 11/30/2010 | West-Southwest | 0.02 |
| 2/16/2011 | West | 0.03 |
| 5/11/2011 | West-Southwest | 0.03 |
| 11/28/2011 | West-Southwest | 0.02 |
| 6/5/2012 | West | 0.02 |
| 12/6/2012 | West | 0.02 |

Notes:

Site resurveyed by URS on 10/15/03 by datum NAVD '88

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

FIELD METHODS



QUALITY ASSURANCE/QUALITY CONTROL FIELD METHODS

Field methods discussed herein were implemented to provide for accuracy and reliability of field activities, data collection, sample collection, and handling. Discussion of these methods is provided below.

1.0 EQUIPMENT CALIBRATION

Equipment calibration was performed per equipment manufacturer specifications before use.

2.0 DEPTH TO GROUNDWATER AND LIGHT NON-AQUEOUS PHASE LIQUID MEASUREMENT

Depth to groundwater was measured in wells identified for gauging in the scope of work using a decontaminated water level indicator. The depth to water measurement was taken from a cut notch or permanent mark at the top of the well casing to which the well head elevation was originally surveyed.

Once depth to water was measured, an oil/water interface meter or a new disposable bailer was utilized to evaluate the presence and, if present, to measure the “apparent” thickness of light non-aqueous phase liquid (LNAPL) in the well. If LNAPL was present in the well, groundwater purging and sampling were not performed, unless sampling procedures in the scope of work specified collection of samples in the presence of LNAPL. Otherwise, time allowing, LNAPL was bailed from the well using either a new disposable bailer, or the disposal bailer previously used for initial LNAPL assessment. Bailing of LNAPL continued until the thickness of LNAPL (or volume) stabilized in each bailer pulled from the well, or LNAPL was no longer present. After LNAPL thickness either stabilized or was eliminated, periodic depth to water and depth to LNAPL measurements were collected as product came back into the well to evaluate product recovery rate and to aid in further assessment of LNAPL in the subsurface. LNAPL thickness measurements were recorded as “apparent.” If a bailer was used for LNAPL thickness measurement, the field sampler noted the bailer entry diameter and chamber diameter to enable correction of thickness measurements. Recovered LNAPL was stored on-site in a labeled steel drum(s) or other appropriate container(s) prior to disposal.

3.0 WELL PURGING AND GROUNDWATER SAMPLE COLLECTION

Well purging and groundwater sampling were performed in wells specified in the scope of work after measuring depth to groundwater and evaluating the presence of LNAPL. Purging and sampling were performed using one of the methods detailed below. The method used was noted in the field records. Purge water was stored on-site in labeled steel drum(s) or other appropriate container(s) prior to disposal or on-site treatment (in cases where treatment using an on-site system is authorized).

3.1 Purging a Predetermined Well Volume

Purging a predetermined well volume is performed per ASTM International (ASTM) D4448-01. This purging method has the objective of removing a predetermined volume of stagnant water from the well prior to sampling. The volume of stagnant water is defined as either the volume of water contained within the well casing, or the volume within the well casing and sand/gravel in the annulus if natural flow through these is deemed insufficient to keep them flushed out.

This purging method involves removal of a minimum of three stagnant water volumes from the well using a decontaminated pump with new disposable plastic discharge or suction tubing, dedicated well tubing, or using a new disposable or decontaminated reusable bailer. If a new disposable bailer was used for assessment of LNAPL, that bailer may be used for purging. The withdrawal rate used is one that minimizes drawdown while satisfying time constraints.

To evaluate when purging is complete, one or more groundwater stabilization parameters are monitored and recorded during purging activities until stabilization is achieved. Most commonly, stabilization parameters include temperature, conductivity, and pH, but field procedures detailed in the scope of work may also include monitoring of dissolved oxygen concentrations, oxidation reduction potential, and/or turbidity¹. Parameters are considered stable when two (2) consecutive readings recorded three (3) minutes apart fall within ranges provided below in Table 1. In the event that the parameters have not stabilized and five (5) well casing volumes have been removed, purging activities will cease and be considered complete. Once the well is purged, a groundwater sample(s) is collected from the well using a new disposable bailer. If a new disposable bailer was used for purging, that bailer may be used to collect the sample(s). A sample is not collected if the well is inadvertently purged dry.

Table 1. Criteria for Defining Stabilization of Water-Quality Indicator Parameters

| Parameter | Stabilization Criterion |
|-------------------------------|---|
| Temperature | ± 0.2°C (± 0.36°F) |
| pH | ± 0.1 standard units |
| Conductivity | ± 3% |
| Dissolved oxygen | ± 10% |
| Oxidation reduction potential | ± 10 mV |
| Turbidity ¹ | ± 10% or 1.0 NTU (whichever is greater) |

3.2 Low-Flow Purging and Sampling

“Low-Flow”, “Minimal Drawdown”, or “Low-Stress” purging is performed per ASTM D6771-02. It is a method of groundwater removal from within a well’s screened interval that is intended to minimize drawdown and mixing of the water column in the well

¹ As stated in ASTM D6771-02, turbidity is not a chemical parameter and not indicative of when formation-quality water is being purged; however, turbidity may be helpful in evaluating stress on the formation during purging. Turbidity measurements are taken at the same time that stabilization parameter measurements are made, or, at a minimum, once when purging is initiated and again just prior to sample collection, after stabilization parameters have stabilized. To avoid artifacts in sample analysis, turbidity should be as low as possible when samples are collected. If turbidity values are persistently high, the withdrawal rate is lowered until turbidity decreases. If high turbidity persists even after lowering the withdrawal rate, the purging is stopped for a period of time until turbidity settles, and the purging process is then restarted. If this fails to solve the problem, the purging/sampling process for the well is ceased, and well maintenance or redevelopment is considered.

casing. This is accomplished by pumping the well using a decontaminated pump with new disposable plastic discharge or suction tubing or dedicated well tubing at a low flow rate while evaluating the groundwater elevation during pumping.

The low flow pumping rate is well specific and is generally established at a volume that is less than or equal to the natural recovery rate of the well. A pump with adjustable flow rate control is positioned with the intake at or near the mid-point of the submerged well screen. The pumping rate used during low-flow purging is low enough to minimize mobilization of particulate matter and drawdown (stress) of the water column. Low-flow purging rates will vary based on the individual well characteristics; however, the purge rate should not exceed 1.0 Liter per minute (L/min) or 0.25 gallon per minute (gal/min). Low-flow purging should begin at a rate of approximately 0.1 L/min (0.03 gal/min)², or the lowest rate possible, and be adjusted based on an evaluation of drawdown. Water level measurements should be recorded at approximate one (1) to two (2) minute intervals until the low-flow rate has been established, and drawdown is minimized. As a general rule, drawdown should not exceed 25% of the distance between the top of the water column and the pump in-take.

To evaluate when purging is complete, one or more groundwater stabilization parameters are monitored and recorded during purging activities until stabilization is achieved. Most commonly, stabilization parameters include temperature, conductivity, and pH, but field procedures detailed in the scope of work may also include monitoring of dissolved oxygen concentrations, oxidation reduction potential, and/or turbidity¹. The frequency between measurements will be at an interval of one (1) to three (3) minutes; however, if a flow cell is used, the frequency will be determined based on the time required to evacuate one cell volume. Stabilization is defined as three (3) consecutive readings recorded several minutes apart falling within ranges provided in Table 1. Samples will be collected by filling appropriate containers from the pump discharge tubing at a rate not to exceed the established pumping rate.

3.3 Minimal Purge, Discrete Depth, and Passive Sampling

In accordance with ASTM D4448-01, sampling techniques that do not rely on purging, or require only minimal purging, may be used if a particular zone within a screened interval is to be sampled or if a well is not capable of yielding sufficient groundwater for purging. To properly use these sampling techniques, a water sample is collected within the screened interval with little or no mixing of the water column within the casing. These techniques include minimal purge sampling which uses a dedicated sampling pump capable of pumping rates of less than 0.1 L/min (0.03 gal/min)², discrete depth sampling using a bailer that allows groundwater entry at a controlled depth (e.g. differential pressure bailer), or passive (diffusion) sampling. These techniques are based on certain studies referenced in ASTM D4448-01 that indicate that under certain conditions, natural groundwater flow is laminar and horizontal with little or no mixing within the well screen.

² According to ASTM D4448-01, studies have indicated that at flow rates of 0.1 L/min, low-density polyethylene (LDPE) and plasticized polypropylene tubing materials are prone to sorption. Therefore, TFE-fluorocarbon or other appropriate tubing material is used, particularly when tubing lengths of 50 feet or longer are used.

4.0 DECONTAMINATION

Reusable groundwater sampling equipment were cleaned using a solution of Alconox or other acceptable detergent, rinsed with tap water, and finally rinsed with distilled water prior to use in each well. Decontamination water was stored on-site in labeled steel drum(s) or other appropriate container(s) prior to disposal.

5.0 SAMPLE CONTAINERS, LABELING, AND STORAGE

Samples were collected in laboratory prepared containers with appropriate preservative (if preservative was required). Samples were labeled (site name, sample I.D., sampler initials, date, and time of collection) and stored chilled (refrigerator or ice chest with ice) until delivery to a certified laboratory, under chain of custody procedures.

6.0 CHAIN OF CUSTODY RECORD AND PROCEDURE

The field sampler was personally responsible for care and custody of the samples collected until they were properly transferred to another party. To document custody and transfer of samples, a Chain of Custody Record was prepared. The Chain of Custody Record provided identification of the samples corresponding to sample labels and specified analyses to be performed by the laboratory. The original Chain of Custody Record accompanied the shipment, and a copy of the record was stored in the project file. When the samples were transferred, the individuals relinquishing and receiving them signed, dated, and noted the time of transfer on the record.

7.0 FIELD RECORDS

Daily Report and data forms were completed by staff personnel to provide daily record of significant events, observations, and measurements. Field records were signed, dated, and stored in the project file.

APPENDIX B

FIELD DATA SHEETS
AND
NON-HAZARDOUS WASTE DATA FORM



DAILY REPORT

Page 1 of 1

Project: BP 2035 Project No.: 06-88-610

Field Representative(s): A. Martinez / J. Ramos Day: Thursday Date: 12/6/12

Time Onsite: From: 0700 To: 1600 ; From: ; To: ; From: To:

- Signed HASP Safety Glasses Hard Hat Steel Toe Boots Safety Vest
UST Emergency System Shut-off Switches Located Proper Gloves
Proper Level of Barricading Other PPE (describe)

Weather: overcast

Equipment In Use: peristaltic pump, bailers, horiba

Visitors: Shannon Couch, Ray Vose, Ben (URS)

Table with 2 columns: TIME and WORK DESCRIPTION. Contains handwritten entries from 0700 to 1600 describing site activities and well setups.

Signature: [Handwritten Signature]



Project: BP 2035 Project No.: 06-88-610 Date: 12/6/12

Field Representative: AM / JR Elevation: _____

Formation recharge rate is historically: High Low *(circle one)*

W. L. Indicator ID #: _____ Oil/Water Interface ID #: _____ *(List #s of all equip used.)*

| WELL ID RECORD | | | | | WELL GAUGING RECORD | | | | | LAB ANALYSES | | | |
|----------------|---------------------|---------------------------------|------------------------------------|------------------------------|---------------------|---------------------|--------------------------------|---------------------|-----------------------|--------------|--|--|--|
| Well ID | Well Sampling Order | As-Built Well Diameter (inches) | As-Built Well Screen Interval (ft) | Previous Depth to Water (ft) | Time (24:00) | Depth to LNAPL (ft) | Apparent LNAPL Thickness (ft)* | Depth to Water (ft) | Well Total Depth (ft) | | | | |
| MW-1 | | | | | 1030 | | | 7.71 | 29.68 | | | | |
| MW-2 | | | | | 1422 | | | 8.19 | 28.72 | | | | |
| MW-3 | | | | | 1024 | | | 8.10 | 32.87 | | | | |
| MW-4 | | | | | 1329 | | | 7.58 | 25.02 | | | | |
| MW-5 | | | | | 0830 | | | 7.91 | 24.34 | | | | |
| MW-6 | | | | | 1510 | | | 10.66 | 24.23 | | | | |
| MW-7 | | | | | 1206 | | | 3.30 | 15.15 | | | | |
| MW-8 | | | | | 1418 | | | 7.19 | 18.53 | | | | |
| MW-9 | | | | | 0758 | | | 6.95 | 15.14 | | | | |
| RW-1 | | | | | 1103 | | | 7.66 | 22.56 | | | | |
| S-5 | | | | | 1130 | | | 6.89 | 15.67 | | | | |
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| | | | | | | | | | | | | | |

* Device used to measure LNAPL thickness: Bailer Oil/Water Interface Meter *(circle one)*
 If bailer used, note bailer dimensions (inches): Entry Diameter _____ Chamber Diameter _____

Signature:



GROUNDWATER SAMPLING DATA SHEET

Project: BP 2035 Project No.: 06-88-610 Date: 12/6/12
 Field Representative: JA/AM
 Well ID: MW-4 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer _____ 120V Pump _____ Flow Cell _____
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump _____ Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) _____ Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | LOW-FLOW | |
|---|----------------------|--------------|------------|--------------|--|-------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | Previous Low-Flow Purge Rate: | (lpm) |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | 3" (0.38) | Other: _____ | Total Well Depth (a): _____ (ft) | |
| <u>4" (0.66)</u> | 6" (1.50) | 8" (2.60) | 12" (5.81) | _____ () | Initial Depth to Water (b): _____ (ft) | |
| Total Well Depth (a): <u>25.02</u> (ft) | | | | | Pump In-take Depth = b + (a-b)/2: _____ (ft) | |
| Initial Depth to Water (b): <u>7.58</u> (ft) | | | | | Maximum Allowable Drawdown = (a-b)/8: _____ (ft) | |
| Water Column Height (WCH) = (a - b): <u>17.44</u> (ft) | | | | | Low-Flow Purge Rate: _____ (Lpm)* | |
| Water Column Volume (WCV) = WCH x Unit Volume: <u>11.51</u> (gal) | | | | | Comments: _____ | |
| Three Casing Volumes = WCV x 3: <u>34.53</u> (gal) | | | | | | |
| Five Casing Volumes = WCV x 5: <u>57.55</u> (gal) | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | |

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (L) | Temperature °C | pH | Conductivity μS or mS | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|-----------------------|----------------|------|-----------------------|---------|--------|---------------|--------------------------------------|
| 1332 | 0 | 20.28 | 7.86 | 0.305 | 4.27 | 16 | 217 | |
| 1343 | 11 | 20.31 | 7.49 | 0.351 | - | 28 | - | |
| 1349 | 22 | 20.62 | 7.40 | 0.363 | - | 33 | - | |
| 1358 | 33 | 20.16 | 7.72 | 0.382 | - | 36 | - | |
| 1400 | 34.5 | 20.08 | 7.50 | 0.387 | - | 43 | - | |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other: _____

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|---|------|------------------------|--|
| Parameter | Time | Measurement | |
| Depth to Water at Sampling: <u>15.51</u> (ft) | | | |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer _____ Dedicated Pump Tubing _____ | | | |
| _____ Disp. Pump Tubing _____ Other: _____ | | | |
| Sample ID: <u>MW-4</u> Sample Collection Time: <u>1402</u> (24:00) | | | |
| Containers (#): <u>6</u> VOA <input checked="" type="checkbox"/> preserved or _____ unpreserved _____ Liter Amber | | | |
| Other: _____ Other: _____ | | | |
| Other: _____ Other: _____ | | | |
| | | DO (mg/L) | |
| | | Ferrous Iron (mg/L) | |
| | | Redox Potential (mV) | |
| | | Alkalinity (mg/L) | |
| | | Other: _____ | |
| | | Other: _____ | |

Signature:



GROUNDWATER SAMPLING DATA SHEET

Page 3 of 4

Project: BP 2035 Project No.: 06-88-610 Date: 12/6/12
 Field Representative: JR/AM
 Well ID: MW-5 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer _____ 120V Pump _____ Flow Cell _____
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump _____ Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) _____ Comments: _____
 Good _____ Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow _____ Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | | LOW-FLOW | |
|---|----------------------|--------------|------------|--------------|---------------------------------------|-------------------------------|-------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | | Previous Low-Flow Purge Rate: | (lpm) |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | 3" (0.38) | Other: _____ | Total Well Depth (a): | (ft) | |
| <u>4" (0.66)</u> | 6" (1.50) | 8" (2.60) | 12" (5.81) | _____ () | Initial Depth to Water (b): | (ft) | |
| Total Well Depth (a): <u>29.34</u> (ft) | | | | | Pump In-take Depth = b + (a-b)/2: | (ft) | |
| Initial Depth to Water (b): <u>7.91</u> (ft) | | | | | Maximum Allowable Drawdown = (a-b)/8: | (ft) | |
| Water Column Height (WCH) = (a - b): <u>16.34</u> (ft) | | | | | Low-Flow Purge Rate: | (Lpm)* | |
| Water Column Volume (WCV) = WCH x Unit Volume: <u>10.84</u> (gal) | | | | | Comments: _____ | | |
| Three Casing Volumes = WCV x 3: <u>32.53</u> (gal) | | | | | | | |
| Five Casing Volumes = WCV x 5: <u>54.20</u> (gal) | | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | | |

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (ft) | Temperature °C | pH | Conductivity μS or mS | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|------------------------|----------------|------|-----------------------|---------|--------|---------------|--------------------------------------|
| 0835 | 0 | 18.66 | 7.33 | 0.539 | 4.44 | 138 | 71.7 | |
| 0844 | 8 | 18.78 | 7.29 | 0.540 | - | 143 | - | |
| 0905 | 16 | 18.94 | 7.10 | 0.560 | - | 119 | - | |
| 0918 | 24 | 18.50 | 7.34 | 0.577 | - | 110 | - | |
| 0939 | 32 | 19.30 | 7.36 | 0.581 | - | 76 | - | |
| 0939 | 33 | 19.02 | 7.26 | 0.572 | - | 76 | - | |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD _____ Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable _____ 5 Casing Volumes
 Other: _____

SAMPLE COLLECTION RECORD

Depth to Water at Sampling: 16.49 (ft)
 Sample Collected Via: Disp. Bailer _____ Dedicated Pump Tubing _____
 _____ Disp. Pump Tubing _____ Other: _____
 Sample ID: MW-5 Sample Collection Time: 0945 (24:00)
 Containers (#): 6 VOA (preserved or _____ unpreserved) _____ Liter Amber
 _____ Other: _____ Other: _____
 _____ Other: _____ Other: _____

GEOCHEMICAL PARAMETERS

| Parameter | Time | Measurement |
|----------------------|------|-------------|
| DO (mg/L) | | |
| Ferrous Iron (mg/L) | | |
| Redox Potential (mV) | | |
| Alkalinity (mg/L) | | |
| Other: | | |
| Other: | | |

Signature: _____



GROUNDWATER SAMPLING DATA SHEET

Page 4 of 9

Project: BP 2035 Project No.: 06-88-610 Date: 12/6/12
 Field Representative: JR/AM
 Well ID: MW-6 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer 120V Pump Flow Cell
 Disp. Tubing 12V Pump Peristaltic Pump Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

PREDETERMINED WELL VOLUME

| | | |
|-----------------|----------------------|------------------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) |
| 1" (0.04) | 1.25" (0.08) | <u>2" (0.17)</u> |
| 3" (0.38) | Other: _____ | |
| 4" (0.66) | 6" (1.50) | 8" (2.60) |
| 12" (5.81) | _____ | _____ |

Total Well Depth (a): 29.25 (ft)
 Initial Depth to Water (b): 10.66 (ft)
 Water Column Height (WCH) = (a - b): 18.57 (ft)
 Water Column Volume (WCV) = WCH x Unit Volume: 2.30 (gal)
 Three Casing Volumes = WCV x 3: 6.92 (gal)
 Five Casing Volumes = WCV x 5: 11.50 (gal)
 Pump Depth (if pump used): _____ (ft)

LOW-FLOW

Previous Low-Flow Purge Rate: _____ (lpm)
 Total Well Depth (a): _____ (ft)
 Initial Depth to Water (b): _____ (ft)
 Pump In-take Depth = b + (a-b)/2: _____ (ft)
 Maximum Allowable Drawdown = (a-b)/8: _____ (ft)
 Low-Flow Purge Rate: _____ (Lpm)*
 Comments: _____

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (ft) | Temperature °C | pH | Conductivity μS or mS | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|------------------------|----------------|------|-----------------------|---------|--------|---------------|--------------------------------------|
| 1517 | 0 | 20.00 | 7.76 | 0.584 | 3.33 | 9 | 141 | |
| 1520 | 2 | 20.37 | 7.62 | 0.543 | - | 9 | - | |
| 1523 | 4 | 20.40 | 7.63 | 0.604 | - | 4 | - | |
| 1525 | 6 | 19.56 | 7.86 | 0.506 | - | -5 | - | |
| 1527 | 8 | 20.03 | 7.83 | 0.604 | - | -3 | - | |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other: _____

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|--|------|------------------------|--|
| Parameter | Time | Measurement | |
| Depth to Water at Sampling: <u>11.03</u> (ft) | | | |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer <input type="checkbox"/> Dedicated Pump Tubing | | | |
| <input type="checkbox"/> Disp. Pump Tubing <input type="checkbox"/> Other: _____ | | | |
| Sample ID: <u>MW-6</u> Sample Collection Time: <u>1530</u> (24:00) | | | |
| Containers (#): <u>6</u> VOA (<input checked="" type="checkbox"/> preserved or <input type="checkbox"/> unpreserved) <input type="checkbox"/> Liter Amber | | | |
| Other: _____ | | | |
| Other: _____ | | | |
| Other: _____ | | | |
| Other: _____ | | | |

Signature: [Handwritten Signature]



GROUNDWATER SAMPLING DATA SHEET

Page 5 of 9

Project: BP 2035 Project No.: 06-88-610 Date: 12-6-12
 Field Representative: JRIAM
 Well ID: MW-7 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer 120V Pump Flow Cell
 Disp. Tubing 12V Pump Peristaltic Pump Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | | LOW-FLOW | |
|--|----------------------|--------------|------------|--------------|---------------------------------------|-------------------------------|-------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | | Previous Low-Flow Purge Rate: | (lpm) |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | 3" (0.38) | Other: _____ | Total Well Depth (a): | (ft) | |
| <u>4" (0.66)</u> | 6" (1.50) | 8" (2.60) | 12" (5.81) | _____ () | Initial Depth to Water (b): | (ft) | |
| Total Well Depth (a): <u>15.15</u> (ft) | | | | | Pump In-take Depth = b + (a-b)/2: | (ft) | |
| Initial Depth to Water (b): <u>3.30</u> (ft) | | | | | Maximum Allowable Drawdown = (a-b)/8: | (ft) | |
| Water Column Height (WCH) = (a - b): <u>11.85</u> (ft) | | | | | Low-Flow Purge Rate: | (Lpm)* | |
| Water Column Volume (WCV) = WCH x Unit Volume: <u>7.82</u> (gal) | | | | | Comments: _____ | | |
| Three Casing Volumes = WCV x 3: <u>23.46</u> (gal) | | | | | | | |
| Five Casing Volumes = WCV x 5: <u>39.10</u> (gal) | | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | | |

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (gal) | Temperature °C | pH | Conductivity µS/cm | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|-------------------------|----------------|------|--------------------|---------|--------|---------------|--------------------------------------|
| 1209 | 0 | 20.21 | 7.83 | 0.704 | 4.90 | -31 | 21.6 | |
| 1215 | 6 | 20.33 | 7.72 | 0.708 | - | -15 | - | |
| 1220 | 12 | 20.58 | 7.69 | 0.713 | - | -5 | - | |
| 1224 | 18 | 20.67 | 7.71 | 0.713 | - | -23 | - | |
| 1228 | 24 | 20.67 | 7.76 | 0.724 | - | -66 | - | |
| 1232 | 25 | 20.33 | 7.78 | 0.723 | - | -70 | - | |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other: _____

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|--|------|------------------------|--|
| Parameter | Time | Measurement | |
| Depth to Water at Sampling: <u>10.11</u> (ft) | | | |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer <input type="checkbox"/> Dedicated Pump Tubing | | | |
| <input type="checkbox"/> Disp. Pump Tubing Other: _____ | | | |
| Sample ID: <u>MW-7</u> Sample Collection Time: <u>1235</u> (24:00) | | | |
| Containers (#): <u>6</u> VOA (<input checked="" type="checkbox"/> preserved or <input type="checkbox"/> unpreserved) <input type="checkbox"/> Liter Amber | | | |
| Other: _____ Other: _____ | | | |
| Other: _____ Other: _____ | | | |
| DO (mg/L) | | | |
| Ferrous Iron (mg/L) | | | |
| Redox Potential (mV) | | | |
| Alkalinity (mg/L) | | | |
| Other: _____ | | | |
| Other: _____ | | | |

Signature:



GROUNDWATER SAMPLING DATA SHEET

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Project: BP 2035 Project No.: 06-88-610 Date: 12-6-12
 Field Representative: JRIAM
 Well ID: MW-8 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer _____ 120V Pump _____ Flow Cell _____
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump _____ Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) _____ Comments: _____
 Good _____ Improvement Needed _____ (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume _____ Low-Flow _____ Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | | LOW-FLOW | |
|--|----------------------|--------------|------------|--------------|---------------------------------------|-------------------------------|-------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | | Previous Low-Flow Purge Rate: | (lpm) |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | 3" (0.38) | Other: _____ | Total Well Depth (a): | (ft) | |
| <u>4" (0.66)</u> | 6" (1.50) | 8" (2.60) | 12" (5.81) | _____ () | Initial Depth to Water (b): | (ft) | |
| Total Well Depth (a): <u>18.53</u> (ft) | | | | | Pump In-take Depth = b + (a-b)/2: | (ft) | |
| Initial Depth to Water (b): <u>7.19</u> (ft) | | | | | Maximum Allowable Drawdown = (a-b)/8: | (ft) | |
| Water Column Height (WCH) = (a - b): <u>11.34</u> (ft) | | | | | Low-Flow Purge Rate: | (Lpm)* | |
| Water Column Volume (WCV) = WCH x Unit Volume: <u>7.48</u> (gal) | | | | | Comments: _____ | | |
| Three Casing Volumes = WCV x 3: <u>22.45</u> (gal) | | | | | | | |
| Five Casing Volumes = WCV x 5: _____ (gal) | | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | | |

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (ft) | Temperature °C | pH | Conductivity µS or mS | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|------------------------|----------------|-------------|-----------------------|-------------|-----------|---------------|--------------------------------------|
| <u>14:30</u> | <u>0</u> | <u>19.43</u> | <u>7.93</u> | <u>0.374</u> | <u>6.59</u> | <u>10</u> | <u>898</u> | |
| <u>14:36</u> | <u>7</u> | <u>19.71</u> | <u>7.90</u> | <u>0.368</u> | <u>---</u> | <u>12</u> | <u>---</u> | |
| <u>14:44</u> | <u>14</u> | <u>19.92</u> | <u>7.82</u> | <u>0.400</u> | <u>---</u> | <u>0</u> | <u>---</u> | |
| <u>14:50</u> | <u>21 17.5</u> | <u>19.85</u> | <u>7.95</u> | <u>0.392</u> | <u>---</u> | <u>5</u> | <u>---</u> | <u>Slow recovery from 22</u> |
| <u>14:55</u> | <u>28 52</u> | <u>19.89</u> | <u>8.01</u> | <u>0.375</u> | <u>---</u> | <u>-4</u> | <u>---</u> | <u>---</u> |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD _____ Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable _____ 5 Casing Volumes
 Other: _____

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|--|------|------------------------|--|
| Parameter | Time | Measurement | |
| Depth to Water at Sampling: <u>17.43</u> (ft) | | | |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer _____ Dedicated Pump Tubing _____ | | | |
| _____ Disp. Pump Tubing _____ Other: _____ | | | |
| Sample ID: <u>MW-8</u> Sample Collection Time: <u>1500</u> (24:00) | | | |
| Containers (#): <u>6</u> VOA (<input checked="" type="checkbox"/> preserved or _____ unpreserved) _____ Liter Amber | | | |
| Other: _____ Other: _____ | | | |
| Other: _____ Other: _____ | | | |
| DO (mg/L) | | | |
| Ferrous Iron (mg/L) | | | |
| Redox Potential (mV) | | | |
| Alkalinity (mg/L) | | | |
| Other: _____ | | | |
| Other: _____ | | | |

Signature:



GROUNDWATER SAMPLING DATA SHEET

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Project: BP 2055 Project No.: 06-88-610 Date: 12-6-12

Field Representative: JR/AM

Well ID: MW-9 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer 120V Pump Flow Cell
 Disp. Tubing 12V Pump Peristaltic Pump Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) _____ Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | | LOW-FLOW | |
|--|----------------------|--------------|------------|--------------|-----------------------------|-------------------------------|-------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | | Previous Low-Flow Purge Rate: | (lpm) |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | 3" (0.38) | Other: _____ | Total Well Depth (a): | (ft) | |
| <u>4" (0.66)</u> | 6" (1.50) | 8" (2.60) | 12" (5.81) | _____ () | Initial Depth to Water (b): | (ft) | |
| Total Well Depth (a): | | | | | <u>15.14</u> | (ft) | |
| Initial Depth to Water (b): | | | | | <u>6.95</u> | (ft) | |
| Water Column Height (WCH) = (a - b): | | | | | <u>8.19</u> | (ft) | |
| Water Column Volume (WCV) = WCH x Unit Volume: | | | | | <u>5.40</u> | (gal) | |
| Three Casing Volumes = WCV x 3: | | | | | <u>16.21</u> | (gal) | |
| Five Casing Volumes = WCV x 5: | | | | | <u>27.00</u> | (gal) | |
| Pump Depth (if pump used): | | | | | _____ | (ft) | |

Comments: _____

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (g) | Temperature °C | pH | Conductivity µS or mS | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|-----------------------|----------------|------|-----------------------|---------|--------|---------------|--------------------------------------|
| 1000 | 0 | 19.63 | 7.01 | 0.483 | 3.02 | 79 | 136 | Slight HC odor |
| 1005 | 4 | 20.18 | 7.05 | 0.458 | 3.51 | 23 | --- | |
| 1017 | 8 | 19.90 | 7.14 | 0.496 | 2.61 | -25 | --- | |
| 1024 | 12 | 19.99 | 7.08 | 0.477 | 2.23 | -13 | --- | |
| 1042 | 16 | 19.78 | 7.23 | 0.449 | - | -31 | --- | |
| | 17 | | | | | | | |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes

SAMPLE COLLECTION RECORD

Depth to Water at Sampling: 12.87 (ft)

Sample Collected Via: Disp. Bailer Dedicated Pump Tubing
 Disp. Pump Tubing Other: _____

Sample ID: MW-9 Sample Collection Time: 1046 (24:00)

Containers (#): 6 VOA (preserved or unpreserved) Liter Amber
 Other: _____ Other: _____
 Other: _____ Other: _____

GEOCHEMICAL PARAMETERS

| Parameter | Time | Measurement |
|----------------------|------|-------------|
| DO (mg/L) | | |
| Ferrous Iron (mg/L) | | |
| Redox Potential (mV) | | |
| Alkalinity (mg/L) | | |
| Other: | | |
| Other: | | |

Signature:



GROUNDWATER SAMPLING DATA SHEET

Project: BP 2035 Project No.: 06-00-610 Date: 12-6-12

Field Representative: JR/AM

Well ID: RW-1 Start Time: End Time: Total Time (minutes):

PURGE EQUIPMENT
 Disp. Bailer 120V Pump Flow Cell
 Disp. Tubing 12V Pump Peristaltic Pump Other/ID#:

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments:
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: (circle one)

| PREDETERMINED WELL VOLUME | | | | | LOW-FLOW | |
|--|----------------------|--------------|--------------|---------|--|-------------------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | Previous Low-Flow Purge Rate: | (lpm) |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | 3" (0.38) | Other: | Total Well Depth (a): | <u>22.56</u> (ft) |
| 4" (0.66) | 6" (1.50) | 8" (2.60) | 12" (5.81) | " () | Initial Depth to Water (b): | <u>7.66</u> (ft) |
| Total Well Depth (a): _____ (ft) | | | | | Pump In-take Depth = b + (a-b)/2: <u>15.11</u> (ft) | |
| Initial Depth to Water (b): _____ (ft) | | | | | Maximum Allowable Drawdown = (a-b)/8: <u>1.86</u> (ft) | |
| Water Column Height (WCH) = (a - b): _____ (ft) | | | | | Low-Flow Purge Rate: <u>0.25</u> (Lpm)* | |
| Water Column Volume (WCV) = WCH x Unit Volume: _____ (gal) | | | | | Comments: _____ | |
| Three Casing Volumes = WCV x 3: _____ (gal) | | | | | *Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown. | |
| Five Casing Volumes = WCV x 5: _____ (gal) | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | |

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (L) | Temperature °C | pH | Conductivity μS or mS | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|-----------------------|----------------|------|-----------------------|---------|--------|---------------|--------------------------------------|
| 1107 | 0 | 17.91 | 7.52 | 0.747 | 2.90 | 4 | 71.8 | |
| 1109 | 0.5 | 20.44 | 7.37 | 0.747 | 2.13 | 11 | 104 | |
| 1111 | 1.0 | 20.64 | 7.34 | 0.743 | 1.75 | 8 | 73.7 | |
| 1113 | 1.5 | 20.75 | 7.34 | 0.743 | 1.62 | 5 | 50.9 | |
| 1115 | 2.0 | 20.86 | 7.34 | 0.735 | 1.52 | 3 | 33.8 | |

Previous Stabilized Parameters

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other:

SAMPLE COLLECTION RECORD

Depth to Water at Sampling: 7.18 (ft)
 Sample Collected Via: Disp. Bailer Dedicated Pump Tubing
 Disp. Pump Tubing Other:
 Sample ID: RW-1 Sample Collection Time: 1120 (24:00)
 Containers (#): 6 VOA (preserved or unpreserved) Liter Amber
 Other: Other:
 Other: Other:

GEOCHEMICAL PARAMETERS

| Parameter | Time | Measurement |
|----------------------|------|-------------|
| DO (mg/L) | | |
| Ferrous Iron (mg/L) | | |
| Redox Potential (mV) | | |
| Alkalinity (mg/L) | | |
| Other: | | |
| Other: | | |

Signature:



GROUNDWATER SAMPLING DATA SHEET

Project: BP 2035 Project No.: 06-88-610 Date: 12-6-12
 Field Representative: JR/am
 Well ID: S-5 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer _____ 120V Pump _____ Flow Cell _____
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump _____ Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) _____ Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | LOW-FLOW | | |
|--|----------------------|--------------|------------------|--------------|-------------------------------|--|--------------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | Previous Low-Flow Purge Rate: | (lpm) | |
| 1" (0.04) | 1.25" (0.08) | 2" (0.17) | <u>3" (0.38)</u> | Other: _____ | Total Well Depth (a): | _____ (ft) | |
| 4" (0.66) | 6" (1.50) | 8" (2.60) | 12" (5.81) | _____ (ft) | Initial Depth to Water (b): | _____ (ft) | |
| Total Well Depth (a): | | | | <u>18.67</u> | (ft) | Pump In-take Depth = b + (a-b)/2: | _____ (ft) |
| Initial Depth to Water (b): | | | | <u>6.89</u> | (ft) | Maximum Allowable Drawdown = (a-b)/8: | _____ (ft) |
| Water Column Height (WCH) = (a - b): | | | | <u>11.78</u> | (ft) | Low-Flow Purge Rate: | _____ (Lpm)* |
| Water Column Volume (WCV) = WCH x Unit Volume: | | | | <u>3.33</u> | (gal) | Comments: | _____ |
| Three Casing Volumes = WCV x 3: | | | | <u>10.08</u> | (gal) | *Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown. | |
| Five Casing Volumes = WCV x 5: | | | | <u>16.65</u> | (gal) | | |
| Pump Depth (if pump used): | | | | _____ | (ft) | | |

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (L) | Temperature °C | pH | Conductivity μS or (nS) | DO mg/L | ORP mV | Turbidity NTU | NOTES Odor, color, sheen or other |
|--------------|-----------------------|----------------|------|-------------------------|---------|--------|---------------|--|
| 1135 | 0 | 20.33 | 7.69 | 0.663 | 2.95 | 26 | 34.2 | Slight HC odor |
| 1138 | 2.5 | 19.97 | 7.55 | 0.691 | - | 26 | - | |
| 1142 | 5.0 | 20.75 | 7.52 | 0.640 | - | 21 | - | |
| 1143 | 7.5 | 20.80 | 7.51 | 0.646 | - | 68 | - | |
| | <u>10.0</u> | | | | | | | Well running dry. Took grab sample after 7.5 gallons due to slow recharge. |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD _____ Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable _____ 5 Casing Volumes
 Other: _____

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|--|------|------------------------|--|
| Parameter | Time | Measurement | |
| Depth to Water at Sampling: <u>14.05</u> (ft) | | | |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer _____ Dedicated Pump Tubing _____ | | | |
| Disp. Pump Tubing _____ Other: _____ | | | |
| Sample ID: <u>S-5</u> Sample Collection Time: <u>1150</u> (24:00) | | | |
| Containers (#): <u>6</u> VOA (<input checked="" type="checkbox"/> preserved or _____ unpreserved) _____ Liter Amber | | | |
| Other: _____ Other: _____ | | | |
| Other: _____ Other: _____ | | | |
| DO (mg/L) | | | |
| Ferrous Iron (mg/L) | | | |
| Redox Potential (mV) | | | |
| Alkalinity (mg/L) | | | |
| Other: | | | |
| Other: | | | |

Signature:

NO. 689915

NON-HAZARDOUS WASTE DATA FORM

BESI # _____

| | |
|--|---|
| Generator's Name and Mailing Address BP WEST COAST PRODUCTS, LLC P.O. BOX 80249 RANCHO SANTA MARGARITA, CA 92888 Generator's Phone: 949-460-5200 | Generator's Site Address (if different than mailing address) BP 2035 1001 San Pablo Ave Albany, CA |
|--|---|

| Container type removed from site: <input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____ Quantity <u>145.5 g</u> | Container type transported to receiving facility: <input type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____ Quantity _____ Volume _____ | | | | | | | | | | | | | | | | | | |
|---|--|----------------|---|-----------------|--|----------------|---------------|--|---------------|--|---------------------|-----|---|----------|--|--|----------|--|--|
| WASTE DESCRIPTION <u>NON-HAZARDOUS WATER</u> | GENERATING PROCESS <u>WELL PURGING / DECON WATER</u> | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%"> <thead> <tr> <th>COMPONENTS OF WASTE</th> <th>PPM</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>1. <u>WATER</u></td> <td></td> <td><u>99-100%</u></td> </tr> <tr> <td>2. <u>TPH</u></td> <td></td> <td><u><1%</u></td> </tr> </tbody> </table> | COMPONENTS OF WASTE | PPM | % | 1. <u>WATER</u> | | <u>99-100%</u> | 2. <u>TPH</u> | | <u><1%</u> | <table border="1" style="width:100%"> <thead> <tr> <th>COMPONENTS OF WASTE</th> <th>PPM</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>3. _____</td> <td></td> <td></td> </tr> <tr> <td>4. _____</td> <td></td> <td></td> </tr> </tbody> </table> | COMPONENTS OF WASTE | PPM | % | 3. _____ | | | 4. _____ | | |
| COMPONENTS OF WASTE | PPM | % | | | | | | | | | | | | | | | | | |
| 1. <u>WATER</u> | | <u>99-100%</u> | | | | | | | | | | | | | | | | | |
| 2. <u>TPH</u> | | <u><1%</u> | | | | | | | | | | | | | | | | | |
| COMPONENTS OF WASTE | PPM | % | | | | | | | | | | | | | | | | | |
| 3. _____ | | | | | | | | | | | | | | | | | | | |
| 4. _____ | | | | | | | | | | | | | | | | | | | |
| Waste Profile _____ PROPERTIES: pH <u>7-10</u> <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____ | | | | | | | | | | | | | | | | | | | |
| HANDLING INSTRUCTIONS: <u>WEAR ALL APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.</u> | | | | | | | | | | | | | | | | | | | |

| | | | | |
|------------------------------|----------------------|-----------|----------|-----------|
| Generator Printed/Typed Name | Signature | Month | Day | Year |
| <u>Alex Martinez (BAE)</u> | <u>Alex Martinez</u> | <u>12</u> | <u>7</u> | <u>12</u> |

The Generator certifies that the waste as described is 100% non-hazardous

| | | | | |
|--|-------------------------------|----------------|--------------|---------------|
| Transporter 1 Company Name <u>BROADBENT & ASSOCIATES, INC></u> | Phone# <u>530-566-1400</u> | | | |
| Transporter 1 Printed/Typed Name _____ | Signature _____ | Month _____ | Day _____ | Year _____ |
| Transporter Acknowledgment of Receipt of Materials | | | | |
| Transporter 2 Company Name _____ | Phone# _____ | Month _____ | Day _____ | Year _____ |
| Transporter 2 Printed/Typed Name _____ | Signature _____ | Month _____ | Day _____ | Year _____ |
| Transporter Acknowledgment of Receipt of Materials | | | | |

| | | | | |
|--|-------------------------------|----------------|--------------|---------------|
| Designated Facility Name and Site Address <u>INSTRAT, INC.</u> <u>1105 AIRPORT RD.</u> <u>RIO VISTA, CA 94571</u> | Phone# <u>530-753-1829</u> | | | |
| Printed/Typed Name _____ | Signature _____ | Month _____ | Day _____ | Year _____ |
| Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form. | | | | |

GENERATOR

TRANSPORTER

RECEIVING FACILITY

APPENDIX C

HISTORIC GROUNDWATER DATA TABLES

Table 2
 Historical Groundwater Elevation Data
 Summary Report

ARCO Service Station 2035
 1001 San Pablo Avenue, Albany, California

Date: 12-06-94
 Project Number: 0805-123.01

| Well Desig- nation | Water Level Field Date | TOC Elevation ft-MSL | Depth to Water feet | Ground- Water Elevation ft-MSL | Floating Product Thickness feet | Ground- Water Flow Direction MWN | Hydraulic Gradient foot/foot |
|--------------------------|---------------------------------|----------------------------|------------------------------|---|--|--|------------------------------------|
| MW-1 | 10-29-91 | 41.41 | 11.86 | 29.55 | ND | NR | NR |
| MW-1 | 11-07-91 | 41.41 | 10.94 | 30.47 | ND | NR | NR |
| MW-1 | 11-14-91 | 41.41 | 10.97 | 30.44 | ND | NR | NR |
| MW-1 | 01-19-92 | 41.41 | 10.06 | 31.35 | ND | NR | NR |
| MW-1 | 02-19-92 | 41.41 | 8.65 | 32.76 | ND | NR | NR |
| MW-1 | 03-19-92 | 41.41 | 8.33 | 33.08 | ND | NR | NR |
| MW-1 | 04-21-92 | 41.41 | 9.32 | 32.09 | ND | NR | NR |
| MW-1 | 05-12-92 | 41.41 | 9.82 | 31.59 | ND | NR | NR |
| MW-1 | 06-12-92 | 41.41 | 10.50 | 30.91 | ND | NR | NR |
| MW-1 | 07-15-92 | 41.41 | 10.69 | 30.72 | ND | NR | NR |
| MW-1 | 08-07-92 | 41.41 | 10.53 | 30.88 | ND | NR | NR |
| MW-1 | 09-08-92 | 41.41 | 11.04 | 30.37 | ND | NR | NR |
| MW-1 | 10-26-92 | 41.41 | 11.24 | 30.17 | ND | NR | NR |
| MW-1 | 11-23-92 | 41.41 | 10.90 | 30.51 | ND | NR | NR |
| MW-1 | 12-16-92 | 41.41 | 9.40 | 32.01 | ND | NR | NR |
| MW-1 | 01-13-93 | 41.41 | 7.73 | 33.68 | ND | NR | NR |
| MW-1 | 02-22-93 | 41.41 | 7.56 | 33.85 | ND | NR | NR |
| MW-1 | 03-25-93 | 41.41 | 8.48 | 32.93 | ND | NR | NR |
| MW-1 | 04-13-93 | 41.41 | 8.91 | 32.50 | ND | NR | NR |
| MW-1 | 05-22-93 | 41.41 | 9.68 | 31.73 | ND | NR | NR |
| MW-1 | 06-17-93 | 41.41 | 9.68 | 31.73 | ND | NR | NR |
| MW-1 | 07-27-93 | 41.41 | 10.09 | 31.32 | ND | NR | NR |
| MW-1 | 08-24-93 | 41.41 | 10.51 | 30.90 | ND | NR | NR |
| MW-1 | 12-08-93 | 41.41 | 10.39 | 31.02 | ND | NR | NR |
| MW-1 | 02-01-94 | 41.41 | 9.29 | 32.12 | ND | NR | NR |
| MW-1 | 04-26-94 | 41.41 | 9.25 | 32.16 | ND | NR | NR |
| MW-1 | 07-29-94 | 41.41 | 9.87 | 31.54 | ND | WSW | 0.016 |

Table 2
 Historical Groundwater Elevation Data
 Summary Report

ARCO Service Station 2035
 1001 San Pablo Avenue, Albany, California

Date: 12-06-94
 Project Number: 0805-123.01

| Well Desig- nation | Water Level Field Date | TOC Elevation ft-MSL | Depth to Water feet | Ground- Water Elevation ft-MSL | Floating Product Thickness feet | Ground- Water Flow Direction MWN | Hydraulic Gradient foot/foot |
|--------------------------|---------------------------------|----------------------------|------------------------------|---|--|--|------------------------------------|
| MW-2 | 10-29-91 | 40.38 | 11.10 | 29.28 | ND | NR | NR |
| MW-2 | 11-07-91 | 40.38 | 11.20 | 29.18 | ND | NR | NR |
| MW-2 | 11-14-91 | 40.38 | 11.21 | 29.17 | ND | NR | NR |
| MW-2 | 01-19-92 | 40.38 | 10.44 | 29.94 | ND | NR | NR |
| MW-2 | 02-19-92 | 40.38 | 8.70 | 31.68 | ND | NR | NR |
| MW-2 | 03-19-92 | 40.38 | 8.84 | 31.54 | ND | NR | NR |
| MW-2 | 04-21-92 | 40.38 | 9.80 | 30.58 | ND | NR | NR |
| MW-2 | 05-12-92 | 40.38 | 10.29 | 30.09 | ND | NR | NR |
| MW-2 | 06-12-92 | 40.38 | 10.95 | 29.43 | ND | NR | NR |
| MW-2 | 07-15-92 | 40.38 | 11.15 | 29.23 | ND | NR | NR |
| MW-2 | 08-07-92 | 40.38 | 11.01 | 29.37 | ND | NR | NR |
| MW-2 | 09-08-92 | 40.38 | 11.41 | 28.97 | ND | NR | NR |
| MW-2 | 10-26-92 | 40.38 | 11.60 | 28.78 | ND | NR | NR |
| MW-2 | 11-23-92 | 40.38 | 7.31 | 33.07 | ND | NR | NR |
| MW-2 | 12-16-92 | 40.38 | 9.82 | 30.56 | ND | NR | NR |
| MW-2 | 01-13-93 | 40.38 | 8.25 | 32.13 | ND | NR | NR |
| MW-2 | 02-22-93 | 40.38 | 8.25 | 32.13 | ND | NR | NR |
| MW-2 | 03-25-93 | 40.38 | 8.82 | 31.56 | ND | NR | NR |
| MW-2 | 04-13-93 | 40.38 | 9.30 | 31.08 | ND | NR | NR |
| MW-2 | 05-22-93 | 40.38 | 10.57 | 29.81 | ND | NR | NR |
| MW-2 | 06-17-93 | 40.38 | 10.25 | 30.13 | ND | NR | NR |
| MW-2 | 07-27-93 | 40.38 | 10.48 | 29.90 | ND | NR | NR |
| MW-2 | 08-24-93 | 40.38 | 10.82 | 29.56 | ND | NR | NR |
| MW-2 | 12-08-93 | 40.38 | 10.68 | 29.70 | ND | NR | NR |
| MW-2 | 02-01-94 | 40.38 | 9.66 | 30.72 | ND | NR | NR |
| MW-2 | 04-26-94 | 40.38 | 9.60 | 30.78 | ND | NR | NR |
| MW-2 | 07-29-94 | 40.38 | 10.61 | 29.77 | ND | WSW | 0.016 |

Table 2
Historical Groundwater Elevation Data
Summary Report

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 12-06-94
Project Number: 0805-123.01

| Well Desig- nation | Water Level Field Date | TOC | Depth to Water feet | Ground- Water Elevation ft-MSL | Floating Product Thickness feet | Ground- Water Flow Direction MWN | Hydraulic Gradient foot/foot |
|--------------------------|---------------------------------|---------------------|------------------------------|---|--|--|------------------------------------|
| | | Elevation ft-MSL | | | | | |
| MW-3 | 10-29-91 | 41.44 | 11.62 | 29.82 | ND | NR | NR |
| MW-3 | 11-07-91 | 41.44 | 11.52 | 29.92 | ND | NR | NR |
| MW-3 | 11-14-91 | 41.44 | 11.50 | 29.94 | ND | NR | NR |
| MW-3 | 01-19-92 | 41.44 | 10.56 | 30.88 | ND | NR | NR |
| MW-3 | 02-19-92 | 41.44 | 9.52 | 31.92 | ND | NR | NR |
| MW-3 | 03-19-92 | 41.44 | 9.01 | 32.43 | ND | NR | NR |
| MW-3 | 04-21-92 | 41.44 | 9.70 | 31.74 | ND | NR | NR |
| MW-3 | 05-12-92 | 41.44 | 10.29 | 31.15 | ND | NR | NR |
| MW-3 | 06-12-92 | 41.44 | 11.26 | 30.18 | ND | NR | NR |
| MW-3 | 07-15-92 | 41.44 | 11.28 | 30.16 | ND | NR | NR |
| MW-3 | 08-07-92 | 41.44 | 11.15 | 30.29 | ND | NR | NR |
| MW-3 | 09-08-92 | 41.44 | 11.70 | 29.74 | ND | NR | NR |
| MW-3 | 10-26-92 | 41.44 | 12.15 | 29.29 | ND | NR | NR |
| MW-3 | 11-23-92 | 41.44 | 12.55 | 28.89 | ND | NR | NR |
| MW-3 | 12-16-92 | 41.44 | 10.15 | 31.29 | ND | NR | NR |
| MW-3 | 01-13-93 | 41.44 | 9.12 | 32.32 | ND | NR | NR |
| MW-3 | 02-22-93 | 41.44 | 8.18 | 33.26 | ND | NR | NR |
| MW-3 | 03-25-93 | 41.44 | 8.57 | 32.87 | ND | NR | NR |
| MW-3 | 04-13-93 | 41.44 | 9.55 | 31.89 | ND | NR | NR |
| MW-3 | 05-22-93 | 41.44 | 10.56 | 30.88 | ND | NR | NR |
| MW-3 | 06-17-93 | 41.44 | 10.41 | 31.03 | ND | NR | NR |
| MW-3 | 07-27-93 | 41.44 | 10.53 | 30.91 | ND | NR | NR |
| MW-3 | 08-24-93 | 41.44 | 10.86 | 30.58 | ND | NR | NR |
| MW-3 | 12-08-93 | 41.44 | 10.91 | 30.53 | ND | NR | NR |
| MW-3 | 02-01-94 | 41.44 | 9.71 | 31.73 | ND | NR | NR |
| MW-3 | 04-26-94 | 41.44 | 9.56 | 31.88 | ND | NR | NR |
| MW-3 | 07-29-94 | 41.44 | 10.65 | 30.79 | ND | WSW | 0.016 |

Table 2
Historical Groundwater Elevation Data
Summary Report

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 12-06-94
Project Number: 0805-123.01

| Well Designation | Water Level Field Date | TOC Elevation ft-MSL | Depth to Water feet | Ground-Water Elevation ft-MSL | Floating Product Thickness feet | Ground-Water Flow Direction MWN | Hydraulic Gradient foot/foot |
|------------------|------------------------|-------------------------|------------------------|----------------------------------|------------------------------------|------------------------------------|---------------------------------|
| MW-4 | 01-13-93 | 40.33 | 8.05 | 32.28 | ND | NR | NR |
| MW-4 | 02-22-93 | 40.33 | 7.58 | 32.75 | ND | NR | NR |
| MW-4 | 03-25-93 | 40.33 | 8.27 | 32.06 | ND | NR | NR |
| MW-4 | 04-13-93 | 40.33 | 8.54 | 31.79 | ND | NR | NR |
| MW-4 | 05-22-93 | 40.33 | 9.52 | 30.81 | ND | NR | NR |
| MW-4 | 06-17-93 | 40.33 | 9.53 | 30.80 | ND | NR | NR |
| MW-4 | 07-27-93 | 40.33 | 10.14 | 30.19 | ND | NR | NR |
| MW-4 | 08-24-93 | 40.33 | 10.42 | 29.91 | ND | NR | NR |
| MW-4 | 12-08-93 | 40.33 | 10.31 | 30.02 | ND | NR | NR |
| MW-4 | 02-01-94 | 40.33 | 9.10 | 31.23 | ND | NR | NR |
| MW-4 | 04-26-94 | 40.33 | 8.94 | 31.39 | ND | NR | NR |
| MW-4 | 07-29-94 | 40.33 | 10.02 | 30.31 | ND | WSW | 0.016 |
| | | | | | | | |
| MW-5 | 01-13-93 | 41.84 | 8.22 | 33.62 | ND | NR | NR |
| MW-5 | 02-22-93 | 41.84 | 7.92 | 33.92 | ND | NR | NR |
| MW-5 | 03-25-93 | 41.84 | 8.67 | 33.17 | ND | NR | NR |
| MW-5 | 04-13-93 | 41.84 | 9.18 | 32.66 | ND | NR | NR |
| MW-5 | 05-22-93 | 41.84 | 10.12 | 31.72 | ND | NR | NR |
| MW-5 | 06-17-93 | 41.84 | 10.03 | 31.81 | ND | NR | NR |
| MW-5 | 07-27-93 | 41.84 | 10.74 | 31.10 | ND | NR | NR |
| MW-5 | 08-24-93 | 41.84 | 11.02 | 30.82 | ND | NR | NR |
| MW-5 | 12-08-93 | 41.84 | 10.92 | 30.92 | ND | NR | NR |
| MW-5 | 02-01-94 | 41.84 | 9.74 | 32.10 | ND | NR | NR |
| MW-5 | 04-26-94 | 41.84 | 9.51 | 32.33 | ND | NR | NR |
| MW-5 | 07-29-94 | 41.84 | 10.54 | 31.30 | ND | WSW | 0.016 |
| | | | | | | | |
| MW-6 | 01-13-93 | 40.13 | 9.84 | 30.29 | ND | NR | NR |
| MW-6 | 02-22-93 | 40.13 | 9.94 | 30.19 | ND | NR | NR |
| MW-6 | 03-25-93 | 40.13 | 10.68 | 29.45 | ND | NR | NR |
| MW-6 | 04-13-93 | 40.13 | 11.12 | 29.01 | ND | NR | NR |
| MW-6 | 05-22-93 | 40.13 | 11.74 | 28.39 | ND | NR | NR |
| MW-6 | 06-17-93 | 40.13 | 11.75 | 28.38 | ND | NR | NR |
| MW-6 | 07-27-93 | 40.13 | 12.20 | 27.93 | ND | NR | NR |
| MW-6 | 08-24-93 | 40.13 | 12.41 | 27.72 | ND | NR | NR |
| MW-6 | 12-08-93 | 40.13 | 10.11 | 30.02 | ND | NR | NR |
| MW-6 | 02-01-94 | 40.13 | 11.80 | 28.33 | ND | NR | NR |
| MW-6 | 04-26-94 | 40.13 | 11.33 | 28.80 | ND | NR | NR |
| MW-6 | 07-29-94 | 40.13 | 12.16 | 27.97 | ND | WSW | 0.016 |

Table 2
Historical Groundwater Elevation Data
Summary Report

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 12-06-94
Project Number: 0805-123.01

| Well Desig- nation | Water Level Field Date | TOC Elevation ft-MSL | Depth to Water feet | Ground- Water Elevation ft-MSL | Floating Product Thickness feet | Ground- Water Flow Direction MWN | Hydraulic Gradient foot/foot |
|--------------------------|---------------------------------|----------------------------|------------------------------|---|--|--|------------------------------------|
| | | | | | | | |
| RW-1 | 10-29-91 | 40.33 | 10.85 | 29.48 | Sheen | NR | NR |
| RW-1 | 11-07-91 | 40.33 | 11.97 | 28.36 | 0.01 | NR | NR |
| RW-1 | 11-14-91 | 40.33 | 11.03 | 29.30 | 0.01 | NR | NR |
| RW-1 | 01-19-92 | 40.33 | ^10.22 | ^30.11 | 3.26 | NR | NR |
| RW-1 | 02-19-92 | 40.33 | ^8.49 | ^31.84 | 2.14 | NR | NR |
| RW-1 | 03-19-92 | 40.33 | ^8.50 | ^31.83 | 0.50 | NR | NR |
| RW-1 | 04-21-92 | 40.33 | ^9.68 | ^30.65 | 0.03 | NR | NR |
| RW-1 | 05-12-92 | 40.33 | 10.47 | 29.86 | NR | NR | NR |
| RW-1 | 06-12-92 | 40.33 | 11.41 | 28.92 | NR | NR | NR |
| RW-1 | 07-15-92 | 40.33 | 11.35 | 28.98 | ND | NR | NR |
| RW-1 | 08-07-92 | 40.33 | ^10.80 | ^29.53 | 0.02 | NR | NR |
| RW-1 | 09-08-92 | 40.33 | ^10.80 | ^29.53 | 0.62 | NR | NR |
| RW-1 | 10-26-92 | 40.33 | ^11.42 | ^28.91 | 0.04 | NR | NR |
| RW-1 | 11-23-92 | 40.33 | 10.94 | 29.39 | Sheen | NR | NR |
| RW-1 | 12-16-92 | 40.33 | ^9.78 | ^30.55 | 0.51 | NR | NR |
| RW-1 | 01-13-93 | 40.33 | 8.35 | 31.98 | Skimmer | NR | NR |
| RW-1 | 02-22-93 | 40.33 | ^7.94 | ^32.39 | 0.01 | NR | NR |
| RW-1 | 03-25-93 | 40.33 | 8.81 | 31.52 | ND | NR | NR |
| RW-1 | 04-13-93 | 40.33 | ^9.67 | NR | NR | NR | NR |
| RW-1 | 05-22-93 | 40.33 | 10.04 | 30.29 | Sheen | NR | NR |
| RW-1 | 06-17-93 | 40.33 | ^10.26 | ^30.07 | 0.01 | NR | NR |
| RW-1 | 07-27-93 | 40.33 | 10.58 | 29.75 | Sheen | NR | NR |
| RW-1 | 08-24-93 | 40.33 | ^10.80 | ^29.53 | 0.05 | NR | NR |
| RW-1 | 12-08-93 | 40.33 | ^10.46 | ^29.87 | 0.30 | NR | NR |
| RW-1 | 02-01-94 | 40.33 | 1.00 | 39.33 | ND | NR | NR |
| RW-1 | 04-26-94 | 40.33 | 9.30 | ** 31.06 | 0.04 | NR | NR |
| RW-1 | 07-29-94 | 40.33 | 9.91 | ** 30.43 | 0.02 | WSW | 0.016 |

TOC = Top of casing

ft-MSL = Elevation in feet, relative to mean sea level

MWN = Ground-water flow direction and gradient apply to the entire monitoring well network

ND = None detected

NR = Not reported; data not available

WSW = West-southwest

^ = Groundwater elevation (GWE) and depth to water (DTW) adjusted to include 80 percent of the floating product thickness (FPT):

$$[GWE = (TOC - DTW) + (FPT \times 0.8)]$$

** [Corrected elevation (Z)] = Z + (h * 0.73) where: Z = measured elevation, h = floating product thickness, 0.73 = density ratio of oil to water

Table 3
Historical Groundwater Analytical Data
Summary Report

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 11-16-94
Project Number: 0805-123.01

| Well Designation | Water Sample Field Date | TPHG ppb | Benzene ppb | Toluene ppb | Ethylbenzene ppb | Total Xylenes ppb |
|------------------|-------------------------|-------------|----------------|----------------|---------------------|----------------------|
| MW-1 | 10-29-91 | 620 | 76 | 69 | 15 | 60 |
| MW-1 | 03-19-92 | 6500 | 2600 | 89 | 42 | 290 |
| MW-1 | 06-12-92 | 2900 | 1100 | 2.5 | 21 | 15 |
| MW-1 | 09-08-92 | 820 | 350 | <5 | <5 | <5 |
| MW-1 | 10-26-92 | 190 | 68 | <0.5 | 0.6 | <0.5 |
| MW-1 | 01-13-93 | 430 | 130 | 5.3 | 5 | 9 |
| MW-1 | 04-13-93 | 5300 | 2100 | <20 | 63 | 36 |
| MW-1 | 08-24-93 | 630 | 230 | <2.5 | 3.1 | 3.3 |
| MW-1 | 12-08-93 | 81 | 20 | <0.5 | 0.9 | <0.5 |
| MW-1 | 02-01-94 | <50 | 13 | <0.5 | 0.5 | 0.6 |
| MW-1 | 04-26-94 | 990 | 290 | 3.5 | 18 | 14 |
| MW-1 | 07-29-94 | 760 | 280 | <2.5 | 7.1 | <2.5 |
| | | | | | | |
| MW-2 | 10-29-91 | <60 | 2.4 | 4.6 | 0.48 | 2.3 |
| MW-2 | 03-19-92 | <50 | 6.8 | 0.9 | <0.5 | 1.1 |
| MW-2 | 06-12-92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 09-08-92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 10-26-92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 01-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 04-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 08-24-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 12-08-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 02-01-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 04-26-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | 07-29-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | | | | | | |
| MW-3 | 10-29-91 | 32 | 2.1 | 2.8 | 0.35 | 1.8 |
| MW-3 | 03-19-92 | 2100 | 780 | 8.8 | 16 | 58 |
| MW-3 | 06-12-92 | 720 | 210 | <2.5 | 23 | 4 |
| MW-3 | 09-08-92 | <50 | 5.3 | <0.5 | <0.5 | <0.5 |
| MW-3 | 10-26-92 | <50 | 0.6 | <0.5 | <0.5 | <0.5 |
| MW-3 | 01-13-93 | <50 | 1.1 | <0.5 | <0.5 | <0.5 |
| MW-3 | 04-13-93 | 68 | 13 | <0.5 | 1.6 | 1.1 |
| MW-3 | 08-24-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-3 | 12-08-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-3 | 02-01-94 | <50 | 1.9 | <0.5 | 2.1 | <0.5 |
| MW-3 | 04-26-94 | <50 | 1.1 | <0.5 | 2.4 | 0.9 |
| MW-3 | 07-29-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

Table 3
Historical Groundwater Analytical Data
Summary Report

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 11-16-94
Project Number: 0805-123.01

| Well Designation | Water Sample Field Date | TPHG ppb | Benzene ppb | Toluene ppb | Ethylbenzene ppb | Total Xylenes ppb |
|------------------|-------------------------|---|----------------|----------------|---------------------|----------------------|
| MW-4 | 01-13-93 | <50 | <0.5 | 1.3 | <0.5 | 1.6 |
| MW-4 | 04-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-4 | 08-24-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-4 | 12-08-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-4 | 02-01-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-4 | 04-26-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-4 | 07-29-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 01-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 04-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 08-24-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 12-08-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 02-01-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 04-26-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-5 | 07-29-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 01-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 04-13-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 08-24-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 12-08-93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 02-01-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 04-26-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-6 | 07-29-94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| RW-1 | 10-29-91 | Not sampled: well contained floating product | | | | |
| RW-1 | 03-19-92 | Not sampled: well contained floating product | | | | |
| RW-1 | 06-12-92 | Not sampled: well contained floating product | | | | |
| RW-1 | 09-08-92 | Not sampled: well contained floating product | | | | |
| RW-1 | 10-23-92 | Not sampled: well contained floating product | | | | |
| RW-1 | 01-13-93 | Not sampled: skimmer contained floating product | | | | |
| RW-1 | 04-13-93 | Not sampled: well contained floating product | | | | |
| RW-1 | 08-24-93 | Not sampled: well contained floating product | | | | |
| RW-1 | 12-08-93 | Not sampled: well contained floating product | | | | |
| RW-1 | 02-01-94 | Not sampled: well connected to the remediation system | | | | |
| RW-1 | 04-26-94 | Not sampled: well contained floating product | | | | |
| RW-1 | 07-29-94 | Not sampled: well contained floating product | | | | |

TPHG = Total petroleum hydrocarbons as gasoline
ppb = parts per billion or micrograms per liter (µg/l)

**Table 4
Historical Groundwater Analytical Data
Summary Report**

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 11-16-94
Project Number: 0805-123.01

| Well Desig- nation | Water Sample Field Date | TPHD ppb | TOG or TRPH ppb | VOCs ppb | BNAs ppb | PCBs ppb | Cadmium by EPA 6010 ppb | Chromium by EPA 6010 ppb | Lead by EPA 7421 ppb | Zinc by EPA 6010 ppb | Nickel by EPA 6010 ppb |
|--------------------------|----------------------------------|-----------------|------------------------------|-----------------|-----------------|-----------------|--------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|
| | | | | | | | | | | | |
| MW-3 | 10-29-91 | NA | <5000a | NDe | NA | NA | <10 | <10 | <5 | 45 | <50 |
| MW-3 | 03-19-92 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 06-12-92 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 09-08-92 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 10-26-92 | <50 | 600b, 600c | Ndf | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 12-01-92 | NA | NA | NA | NDg | NDh | NA | NA | NA | NA | NA |
| MW-3 | 01-13-93 | NA | 780b, 1100c | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 04-13-93 | NA | <500b, <500c | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 08-24-93 | NA | <500b, <500c | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 12-08-93 | NA | 900b, 500c | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 02-01-94 | NA | <500b, <500c | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 04-26-94 | NA | <600d | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 07-29-94 | NA | 600d | NA | NA | NA | NA | NA | NA | NA | NA |

TPHD = Total petroleum hydrocarbons as diesel by EPA Method 3510/California DHS LUFT Method
 TOG = Total oil and grease analyzed using Standard Method: a) 5520B&F or, b) 5520C and c) 5520F
 TRPH = Total recoverable petroleum hydrocarbons analyzed using: d) EPA Method 418.1
 VOCs = Volatile organic compounds analyzed using EPA Method 624
 BNAs = Semi-volatile organic compounds analyzed using EPA Method 3510/8270
 PCBs = Polychlorinated biphenyls analyzed using EPA Method 3510/8080
 ppb = parts per billion or micrograms per liter (µg/l)
 NA = Not analyzed
 ND = Not detected (31 compounds tested for VOCs were nondetectable)
 e = All 37 compounds analyzed were nondetectable except for toluene (3.0 ppb)
 f = All 41 compounds analyzed were nondetectable
 g = All 34 compounds analyzed were nondetectable
 h = All 7 compounds analyzed were nondetectable

Table 5
Approximate Cumulative Floating Product Recovered
Summary Report

ARCO Service Station 2035
1001 San Pablo Avenue, Albany, California

Date: 11-16-94
Project Number: 0805-123.01

| Well Desig- nation | Date | Floating Product Recovered gallons |
|--------------------------|------|---|
| RW-1 | 1992 | 22.3 |
| RW-1 | 1993 | 1.0 |
| RW-1 | 1994 | 0.0 |
| 1992 to 1994 Total: | | 23.3 |

Table 1
Groundwater Monitoring Data
ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater Elevation [1] (ft-MSL) | Date Sampled | TPHg ($\mu\text{g/L}$) | Benzene ($\mu\text{g/L}$) | Toluene ($\mu\text{g/L}$) | Ethyl-benzene ($\mu\text{g/L}$) | Total Xylenes ($\mu\text{g/L}$) | MTBE 8021B* ($\mu\text{g/L}$) | MTBE 8240/8260 ($\mu\text{g/L}$) | Dissolved Oxygen (mg/L) | Purged/ Not Purged (P/NP) |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|---------------------------------|------------------------------------|-------------------------|---------------------------|
| MW-1 | 03-24-95 | 41.41 | 6.21 | 0.00 | 35.20 | 03-24-95 | 8,800 | 3,600 | <50 | 62 | 99 | -- | -- | -- | -- |
| MW-1 | 05-24-95 | 41.41 | 9.37 | 0.00 | 32.04 | 05-24-95 | 4,800 | 2,000 | <20 | 52 | <20 | -- | -- | -- | -- |
| MW-1 | 08-22-95 | 41.41 | 10.30 | 0.00 | 31.11 | 08-22-95 | 780 | 310 | <2.5 | 12 | <2.5 | 14 | -- | -- | -- |
| MW-1 | 11-09-95 | 41.41 | 12.25 | 0.00 | 29.16 | 11-09-95 | 58 | 14 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| MW-1 | 02-27-96 | 41.41 | 9.08 | 0.00 | 32.33 | 02-27-96 | 2,700 | 930 | 12 | 18 | 32 | 51 | -- | -- | -- |
| MW-1 | 04-22-96 | 41.41 | 9.11 | 0.00 | 32.30 | 04-22-96 | 2,700 | 1,000 | <10 | 22 | <10 | <60 | -- | -- | -- |
| MW-1 | 08-15-96 | 41.41 | 10.37 | 0.00 | 31.04 | 08-15-96 | 300 | 52 | <0.5 | 0.9 | <0.5 | 22 | -- | -- | -- |
| MW-1 | 12-10-96 | 41.41 | 8.79 | 0.00 | 32.62 | 12-10-96 | 270 | 63 | 0.7 | <0.5 | 1 | 25 | -- | -- | -- |
| MW-1 | 03-27-97 | 41.41 | 9.80 | 0.00 | 31.61 | 03-27-97 | 1,500 | 610 | <5 | 15 | 7 | 56 | -- | -- | -- |
| MW-1 | 05-22-97 | 41.41 | 9.65 | 0.00 | 31.76 | 05-22-97 | 110 | 6 | <0.5 | <0.5 | 0.7 | 10 | -- | -- | -- |
| MW-1 | 09-04-97 | 41.41 | 10.22 | 0.00 | 31.19 | 09-04-97 | 180 | 40 | <0.5 | 1.2 | 0.5 | 26 | -- | -- | -- |
| MW-1 | 11-03-97 | 41.41 | 10.68 | 0.00 | 30.73 | 11-03-97 | 83 | 8 | <0.5 | <0.5 | <0.5 | 13 | -- | -- | -- |
| MW-1 | 02-20-98 | 41.41 | 6.92 | 0.00 | 34.49 | 02-20-98 | 1,800 | 540 | 7 | 27 | 31 | 46 | -- | -- | -- |
| MW-1 | 05-18-98 | 41.41 | 9.28 | 0.00 | 32.13 | 05-18-98 | 4,500 | 1,300 | 20 | 57 | 20 | <60 | -- | -- | -- |
| MW-1 | 08-20-98 | 41.41 | 10.05 | 0.00 | 31.36 | 08-21-98 | 530 | 110 | <5 | <5 | <5 | 400 | -- | -- | -- |
| MW-1 | 10-20-98 | 41.41 | 10.42 | 0.00 | 30.99 | 10-20-98 | 66 | 9.1 | <0.5 | <0.5 | <0.5 | 8 | -- | -- | -- |
| MW-1 | 02-16-99 | 41.41 | 8.10 | 0.00 | 33.31 | 02-16-99 | 1,200 | 390 | <5 | <5 | 6 | 45 | -- | -- | -- |
| MW-1 | 05-24-99 | 41.41 | 9.53 | 0.00 | 31.88 | 05-24-99 | 1,300 | 600 | 3 | 13 | 3 | 26 | -- | -- | -- |
| MW-1 | 08-24-99 | 41.41 | 10.03 | 0.00 | 31.38 | 08-24-99 | 100 | 21 | 1.3 | <0.5 | <0.5 | 8 | -- | 0.55 | P |
| MW-1 | 11-16-99 | 41.41 | 9.80 | 0.00 | 31.61 | 11-16-99 | 99 | 10 | 0.6 | <0.5 | <1 | 7 | -- | 2.1 | P |
| MW-1 | 02-01-00 | 41.41 | 8.82 | 0.00 | 32.59 | 02-02-00 | 400 | 93 | 1.6 | 3.6 | 3.7 | 19 | -- | 1.0 | P |
| DUP 1 | 06-21-00 | -- | -- | -- | -- | 06-21-00 | 416 | 88.4 | <2.50 | 4.61 | 1.56 | <5.00 | -- | -- | -- |
| MW-1 | 06-21-00 | 41.41 | 9.60 | 0.00 | 31.81 | 06-21-00 | 444 | 100 | <2.50 | 4.15 | <2.50 | 15.9 | -- | 1.7 | P |
| MW-1 | 11-06-00 | 41.41 | 9.50 | 0.00 | 31.91 | 11-06-00 | 73.2 | 17.8 | <0.500 | <0.500 | <0.500 | 7.80 | -- | 1.04 | P |
| MW-1 | 05-04-01 | 41.41 | 9.28 | 0.00 | 32.13 | 05-04-01 | 714 | 392 | <5.00 | <5.00 | <5.00 | 26.1 | -- | -- | P |
| MW-1 | 10-03-01 | 41.41 | 10.50 | 0.00 | 30.91 | 10-03-01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | -- | 0.59 | P |
| DUP 1 | 10-03-01 | -- | -- | -- | -- | 10-03-01 | <50 | <0.50 | <0.50 | <0.50 | 0.52 | <2.5 | -- | -- | -- |

Table 1
Groundwater Monitoring Data
ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater Elevation [1] (ft-MSL) | Date Sampled | TPHg ($\mu\text{g/L}$) | Benzene ($\mu\text{g/L}$) | Toluene ($\mu\text{g/L}$) | Ethyl-benzene ($\mu\text{g/L}$) | Total Xylenes ($\mu\text{g/L}$) | MTBE 8021B* ($\mu\text{g/L}$) | MTBE 8240/8260 ($\mu\text{g/L}$) | Dissolved Oxygen (mg/L) | Purged/Not Purged (P/NP) | | |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|---------------------------------|------------------------------------|-------------------------|--------------------------|----|----|
| MW-2 | 03-24-95 | 40.38 | 6.96 | 0.00 | 33.42 | 03-24-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | | |
| MW-2 | 05-24-95 | 40.38 | 10.02 | 0.00 | 30.36 | 05-24-95 | Not sampled: well sampled semi-annually, during the first and third quarters | | | | | | | | | -- | -- |
| MW-2 | 08-22-95 | 40.38 | 10.87 | 0.00 | 29.51 | 08-22-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | | |
| MW-2 | 11-09-95 | 40.38 | 13.12 | 0.00 | 27.26 | 11-09-95 | Not sampled: well sampled semi-annually, during the first and third quarters | | | | | | | | | -- | -- |
| MW-2 | 02-27-96 | 40.38 | 10.25 | 0.00 | 30.13 | 02-27-96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | | |
| MW-2 | 04-22-96 | 40.38 | 9.98 | 0.00 | 30.40 | 04-22-96 | Not sampled: well sampled semi-annually, during the first and third quarters | | | | | | | | | -- | -- |
| MW-2 | 08-15-96 | 40.38 | 11.10 | 0.00 | 29.28 | 08-15-96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | -- | -- | -- | | |
| MW-2 | 12-10-96 | 40.38 | 10.00 | 0.00 | 30.38 | 12-10-96 | Not sampled: well sampled semi-annually, during the first and third quarters | | | | | | | | | -- | -- |
| MW-2 | 03-27-97 | 40.38 | 10.38 | 0.00 | 30.00 | 03-27-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 12 | -- | -- | -- | | |
| MW-2 | 05-22-97 | 40.38 | 10.65 | 0.00 | 29.73 | 05-22-97 | Not sampled: well sampled semi-annually, during the first and third quarters | | | | | | | | | -- | -- |
| MW-2 | 09-04-97 | 40.38 | 10.87 | 0.00 | 29.51 | 09-04-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 19 | -- | -- | -- | | |
| MW-2 | 11-03-97 | 40.38 | 11.25 | 0.00 | 29.13 | 11-03-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 18 | -- | -- | -- | | |
| MW-2 | 02-20-98 | 40.38 | 7.69 | 0.00 | 32.69 | 02-20-98 | <50 | 0.5 | <0.5 | <0.5 | <0.5 | 12 | -- | -- | -- | | |
| MW-2 | 05-18-98 | 40.38 | 9.88 | 0.00 | 30.50 | 05-18-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 10 | -- | -- | -- | | |
| MW-2 | 08-20-98 | 40.38 | 10.62 | 0.00 | 29.76 | 08-21-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3 | -- | -- | -- | | |
| MW-2 | 10-20-98 | 40.38 | 11.00 | 0.00 | 29.38 | 10-20-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 31 | -- | -- | -- | | |
| MW-2 | 02-16-99 | 40.38 | 9.04 | 0.00 | 31.34 | 02-16-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 13 | -- | -- | -- | | |
| MW-2 | 05-24-99 | 40.38 | 9.90 | 0.00 | 30.48 | 05-24-99 | <50 | 0.6 | <0.5 | <0.5 | <0.5 | 47 | -- | -- | -- | | |
| MW-2 | 08-24-99 | 40.38 | 10.60 | 0.00 | 29.78 | 08-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 20 | -- | 0.88 | P | | |
| MW-2 | 11-16-99 | 40.38 | 10.45 | 0.00 | 29.93 | 11-16-99 | <50 | <0.5 | <0.5 | <0.5 | <1 | <3 | -- | 2.5 | P | | |
| MW-2 | 02-01-00 | 40.38 | 9.49 | 0.00 | 30.89 | 02-02-00 | <50 | <0.5 | <0.5 | <0.5 | <1 | 59 | -- | 1.0 | P | | |
| MW-2 | 06-21-00 | 40.38 | 10.30 | 0.00 | 30.08 | 06-21-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 4.17 | -- | 1.5 | P | | |
| MW-2 | 11-06-00 | 40.38 | 10.19 | 0.00 | 30.19 | 11-06-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 30.6 | -- | 1.27 | P | | |
| MW-2 | 05-04-01 | 40.38 | 10.15 | 0.00 | 30.23 | 05-04-01 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 32.7 | -- | -- | P | | |
| DUP | 05-04-01 | -- | -- | -- | -- | 05-04-01 | <50.0 | <0.500 | <0.500 | <0.500 | 1.18 | 31.5 | -- | -- | -- | | |
| MW-2 | 10-03-01 | 40.38 | 10.97 | 0.00 | 29.41 | 10-03-01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | -- | 0.63 | P | | |

**Table 1
Groundwater Monitoring Data**

**ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California**

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater | | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE 8021B* (µg/L) | MTBE 8240/8260 (µg/L) | Dissolved Oxygen (mg/L) | Purged/Not Purged (P/NP) |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------|--------------|-------------|----------------|----------------|----------------------|----------------------|--------------------|-----------------------|-------------------------|--------------------------|
| | | | | | Elevation [1] (ft-MSL) | Date Sampled | | | | | | | | | |
| MW-3 | 03-24-95 | 41.44 | 7.29 | 0.00 | 34.15 | 03-24-95 | 51 | 0.8 | <0.5 | 2.4 | <0.5 | -- | -- | -- | -- |
| MW-3 | 05-24-95 | 41.44 | 9.53 | 0.00 | 31.91 | 05-24-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| MW-3 | 08-22-95 | 41.44 | 11.19 | 0.00 | 30.25 | 08-22-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 79 | -- | -- | -- |
| MW-3 | 11-09-95 | 41.44 | 12.77 | 0.00 | 28.67 | 11-09-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| MW-3 | 02-27-96 | 41.44 | 9.41 | 0.00 | 32.03 | 02-27-96 | 120 | 3.6 | <0.5 | 2.2 | 3.7 | 90 | -- | -- | -- |
| MW-3 | 04-22-96 | 41.44 | 9.63 | 0.00 | 31.81 | 04-22-96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 90 | -- | -- | -- |
| MW-3 | 08-15-96 | 41.44 | 11.12 | 0.00 | 30.32 | 08-15-96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 54 | -- | -- | -- |
| MW-3 | 12-10-96 | 41.44 | 10.34 | 0.00 | 31.10 | 12-10-96 | 71 | <0.5 | <0.5 | <0.5 | <0.5 | 130 | -- | -- | -- |
| MW-3 | 03-27-97 | 41.44 | 10.28 | 0.00 | 31.16 | 03-27-97 | <100 | <1 | <1 | <1 | <1 | 170 | -- | -- | -- |
| MW-3 | 05-22-97 | 41.44 | 10.40 | 0.00 | 31.04 | 05-22-97 | <100 | <1 | <1 | <1 | <1 | 95 | -- | -- | -- |
| MW-3 | 09-04-97 | 41.44 | 10.75 | 0.00 | 30.69 | 09-04-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 37 | -- | -- | -- |
| MW-3 | 11-03-97 | 41.44 | 11.44 | 0.00 | 30.00 | 11-03-97 | <200 | <2 | <2 | <2 | <2 | 130 | -- | -- | -- |
| MW-3 | 02-20-98 | 41.44 | 7.48 | 0.00 | 33.96 | 02-20-98 | <200 | <2 | 5 | <2 | 8 | 140 | -- | -- | -- |
| MW-3 | 05-18-98 | 41.44 | 9.87 | 0.00 | 31.57 | 05-18-98 | <100 | <1 | <1 | <1 | <1 | 150 | -- | -- | -- |
| MW-3 | 08-20-98 | 41.44 | 10.72 | 0.00 | 30.72 | 08-21-98 | <200 | <2 | <2 | <2 | <2 | 210 | -- | -- | -- |
| MW-3 | 10-20-98 | 41.44 | 11.30 | 0.00 | 30.14 | 10-20-98 | <200 | <2 | <2 | <2 | <2 | 270 | -- | -- | -- |
| MW-3 | 02-16-99 | 41.44 | 8.60 | 0.00 | 32.84 | 02-16-99 | <500 | <5 | <5 | <5 | <5 | 700 | -- | -- | -- |
| MW-3 | 05-24-99 | 41.44 | 9.87 | 0.00 | 31.57 | 05-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 150 | 140 | -- | -- |
| MW-3 | 08-24-99 | 41.44 | 10.83 | 0.00 | 30.61 | 08-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 54 | 71 | 0.41 | P |
| MW-3 | 11-16-99 | 41.44 | 10.54 | 0.00 | 30.90 | 11-16-99 | 100 | <0.5 | 3.3 | <0.5 | <1 | 500 | -- | 6.2 | P |
| MW-3 | 02-01-00 | 41.44 | 5.69 | 0.00 | 35.75 | 02-02-00 | 18,000 | 1,000 | 45 | 1,500 | 940 | 100 | -- | 2.12 | P |
| MW-3 | 06-21-00 | 41.44 | 9.99 | 0.00 | 31.45 | 06-21-00 | 90.9 | 1.52 | <0.500 | <0.500 | <0.500 | 187 | -- | 2.6 | P |
| MW-3 | 11-06-00 | 41.44 | 10.15 | 0.00 | 31.29 | 11-06-00 | 138 | 2.37 | <0.500 | <0.500 | <0.500 | 216 | -- | 0.47 | P |
| MW-3 | 05-04-01 | 41.44 | 10.17 | 0.00 | 31.27 | 05-04-01 | 316 | 15.7 | 1.14 | <0.500 | <0.500 | 178 | -- | -- | P |
| MW-3 | 10-03-01 | 41.44 | 10.99 | 0.00 | 30.45 | 10-03-01 | 120 | <0.50 | <0.50 | <0.50 | <0.50 | 120 | -- | 0.47 | P |

**Table 1
Groundwater Monitoring Data**

**ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California**

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater Elevation [1] (ft-MSL) | Date Sampled | TPHg ($\mu\text{g/L}$) | Benzene ($\mu\text{g/L}$) | Toluene ($\mu\text{g/L}$) | Ethyl-benzene ($\mu\text{g/L}$) | Total Xylenes ($\mu\text{g/L}$) | MTBE 8021B* ($\mu\text{g/L}$) | MTBE 8240/8260 ($\mu\text{g/L}$) | Dissolved Oxygen (mg/L) | Purged/ Not Purged (P/NP) |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|---------------------------------|------------------------------------|-------------------------|---------------------------|
| MW-4 | 03-24-95 | 40.33 | 5.92 | 0.00 | 34.41 | 03-24-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| MW-4 | 05-24-95 | 40.33 | 9.23 | 0.00 | 31.10 | 05-24-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| MW-4 | 08-22-95 | 40.33 | 10.61 | 0.00 | 29.72 | 08-22-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 99 | -- | -- | -- |
| MW-4 | 11-09-95 | 40.33 | 11.97 | 0.00 | 28.36 | 11-09-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | 89 | -- | -- |
| MW-4 | 02-27-96 | 40.33 | 8.84 | 0.00 | 31.49 | 02-27-96 | <50 | 0.8 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- |
| MW-4 | 04-22-96 | 40.33 | 9.15 | 0.00 | 31.18 | 04-22-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | -- | -- |
| MW-4 | 08-15-96 | 40.33 | 10.35 | 0.00 | 29.98 | 08-15-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | -- | -- |
| MW-4 | 12-10-96 | 40.33 | 8.70 | 0.00 | 31.63 | 12-10-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | -- | -- |
| MW-4 | 03-27-97 | 40.33 | 9.75 | 0.00 | 30.58 | 03-27-97 | <5,000 | <50 | <50 | <50 | <50 | 4,200 | -- | -- | -- |
| MW-4 | 05-22-97 | 40.33 | 9.91 | 0.00 | 30.42 | 05-22-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | -- | -- |
| MW-4 | 09-04-97 | 40.33 | 10.25 | 0.00 | 30.08 | 09-04-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | -- | -- |
| MW-4 | 11-03-97 | 40.33 | 10.79 | 0.00 | 29.54 | 11-03-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- |
| MW-4 | 02-20-98 | 40.33 | 6.78 | 0.00 | 33.55 | 02-20-98 | <2,000 | <20 | <20 | <20 | <20 | 3,300 | -- | -- | -- |
| MW-4 | 05-18-98 | 40.33 | 9.26 | 0.00 | 31.07 | 05-18-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- |
| MW-4 | 08-20-98 | 40.33 | 10.10 | 0.00 | 30.23 | 08-21-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 9 | -- | -- | -- |
| MW-4 | 10-20-98 | 40.33 | 10.43 | 0.00 | 29.90 | 10-20-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 17 | -- | -- | -- |
| MW-4 | 02-16-99 | 40.33 | 8.56 | 0.00 | 31.77 | 02-16-99 | <500 | <5 | <5 | <5 | <5 | 400 | -- | -- | -- |
| MW-4 | 05-24-99 | 40.33 | 9.52 | 0.00 | 30.81 | 05-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 10 | 7.6 | -- | -- |
| MW-4 | 08-24-99 | 40.33 | 9.99 | 0.00 | 30.34 | 08-24-99 | <2,500 | <25 | <25 | <25 | <25 | 1,200 | 1,300 | 0.84 | NP |
| MW-4 | 11-16-99 | 40.33 | 9.80 | 0.00 | 30.53 | 11-16-99 | <50 | <0.5 | <0.5 | <0.5 | <1 | <3 | -- | 0.0 | NP |
| MW-4 | 02-01-00 | 40.33 | 9.11 | 0.00 | 31.22 | 02-02-00 | <50 | <0.5 | <0.5 | <0.5 | <1 | 1,200 | -- | 1.0 | NP |
| MW-4 | 06-21-00 | 40.33 | 9.60 | 0.00 | 30.73 | 06-21-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 60.5 | -- | 1.3 | NP |
| MW-4 | 11-06-00 | 40.33 | 9.53 | 0.00 | 30.80 | 11-06-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 14.0 | -- | 0.71 | NP |
| MW-4 | 05-04-01 | 40.33 | 9.21 | 0.00 | 31.12 | 05-04-01 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 83.6 | -- | -- | NP |
| MW-4 | 10-03-01 | 40.33 | 10.74 | 0.00 | 29.59 | 10-03-01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 260 | -- | 0.59 | NP |

**Table 1
Groundwater Monitoring Data**

**ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California**

| Well Number | Date Gauged | TOC | Depth | FP | Groundwater | | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl- benzene (µg/L) | Total Xylenes (µg/L) | MTBE 8021B* (µg/L) | MTBE 8240/8260 (µg/L) | Dissolved Oxygen (mg/L) | Purged/ Not Purged (P/NP) | |
|-------------|-------------|-----------------------|--------------------|---------------------|---------------------------|-----------------|---|-------------------|-------------------|-----------------------------|----------------------------|--------------------------|-----------------------------|-------------------------------|---------------------------------|----|
| | | Elevation (ft-MSL) | to Water (feet) | Thickness (feet) | Elevation [1] (ft-MSL) | Date Sampled | | | | | | | | | | |
| MW-5 | 03-24-95 | 41.84 | 6.23 | 0.00 | 35.61 | 03-24-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | |
| MW-5 | 05-24-95 | 41.84 | 9.61 | 0.00 | 32.23 | 05-24-95 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 08-22-95 | 41.84 | 11.12 | 0.00 | 30.72 | 08-22-95 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 11-09-95 | 41.84 | 12.52 | 0.00 | 29.32 | 11-09-95 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 02-27-96 | 41.84 | 9.52 | 0.00 | 32.32 | 02-27-96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | |
| MW-5 | 04-22-96 | 41.84 | 9.44 | 0.00 | 32.40 | 04-22-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 08-15-96 | 41.84 | 10.83 | 0.00 | 31.01 | 08-15-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 12-10-96 | 41.84 | 9.20 | 0.00 | 32.64 | 12-10-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 03-27-97 | 41.84 | 10.10 | 0.00 | 31.74 | 03-27-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | |
| MW-5 | 05-22-97 | 41.84 | 10.28 | 0.00 | 31.56 | 05-22-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 09-04-97 | 41.84 | 10.73 | 0.00 | 31.11 | 09-04-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 11-03-97 | 41.84 | 11.23 | 0.00 | 30.61 | 11-03-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 02-20-98 | 41.84 | 6.67 | 0.00 | 35.17 | 02-20-98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | |
| MW-5 | 05-18-98 | 41.84 | 9.61 | 0.00 | 32.23 | 05-18-98 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 08-20-98 | 41.84 | 10.58 | 0.00 | 31.26 | 08-21-98 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 10-20-98 | 41.84 | 10.66 | 0.00 | 31.18 | 10-20-98 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-5 | 02-16-99 | 41.84 | 8.35 | 0.00 | 33.49 | 02-16-99 | Not sampled | | | | | | | | -- | -- |
| MW-5 | 05-24-99 | 41.84 | 9.95 | 0.00 | 31.89 | 05-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | |
| MW-5 | 08-24-99 | 41.84 | 10.51 | 0.00 | 31.33 | 08-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | 0.79 | NP | |
| MW-5 | 11-16-99 | 41.84 | 10.37 | 0.00 | 31.47 | 11-16-99 | Not sampled: well sampled annually, during the second quarter | | | | | | | | -- | -- |
| MW-5 | 02-01-00 | 41.84 | 9.35 | 0.00 | 32.49 | 02-02-00 | <50 | <0.5 | <0.5 | <0.5 | <1 | <3 | -- | 1.0 | NP | |
| MW-5 | 06-21-00 | 41.84 | 10.03 | 0.00 | 31.81 | 06-21-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | -- | 3.1 | NP | |
| MW-5 | 11-06-00 | 41.84 | 9.89 | 0.00 | 31.95 | 11-06-00 | Not sampled: well sampled annually, during the second quarter | | | | | | | | -- | -- |
| MW-5 | 05-04-01 | 41.84 | 9.42 | 0.00 | 32.42 | 05-04-01 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | -- | -- | NP | |
| MW-5 | 10-03-01 | 41.84 | 10.55 | 0.00 | 31.29 | 10-03-01 | Not sampled: well sampled annually, during the second quarter | | | | | | | | -- | -- |

**Table 1
Groundwater Monitoring Data**

**ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California**

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater Elevation [1] (ft-MSL) | Date Sampled | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE 8021B* (µg/L) | MTBE 8240/8260 (µg/L) | Dissolved Oxygen (mg/L) | Purged/ Not Purged (P/NP) | |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--|----------------|----------------|----------------------|----------------------|--------------------|-----------------------|-------------------------|---------------------------|----|
| MW-6 | 03-24-95 | 40.13 | 9.03 | 0.00 | 31.10 | 03-24-95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | |
| MW-6 | 05-24-95 | 40.13 | 12.45 | 0.00 | 27.68 | 05-24-95 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 08-22-95 | 40.13 | 13.32 | 0.00 | 26.81 | 08-22-95 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 11-09-95 | 40.13 | 14.13 | 0.00 | 26.00 | 11-09-95 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 02-27-96 | 40.13 | 11.86 | 0.00 | 28.27 | 02-27-96 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | |
| MW-6 | 04-22-96 | 40.13 | 12.35 | 0.00 | 27.78 | 04-22-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 08-15-96 | 40.13 | 13.18 | 0.00 | 26.95 | 08-15-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 12-10-96 | 40.13 | 11.94 | 0.00 | 28.19 | 12-10-96 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 03-27-97 | 40.13 | 13.10 | 0.00 | 27.03 | 03-27-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | -- | -- | -- | |
| MW-6 | 05-22-97 | 40.13 | 13.00 | 0.00 | 27.13 | 05-22-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 09-04-97 | 40.13 | 13.30 | 0.00 | 26.83 | 09-04-97 | Not sampled: well sampled annually, during the first quarter | | | | | | | | -- | -- |
| MW-6 | 11-03-97 | 40.13 | 13.42 | 0.00 | 26.71 | 11-03-97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 19 | -- | -- | -- | |
| MW-6 | 02-20-98 | 40.13 | 10.57 | 0.00 | 29.56 | 02-20-98 | <100 | <1 | <1 | <1 | <1 | 95 | -- | -- | -- | |
| MW-6 | 05-18-98 | 40.13 | 12.64 | 0.00 | 27.49 | 05-18-98 | <100 | <1 | <1 | <1 | <1 | 180 | -- | -- | -- | |
| MW-6 | 08-20-98 | 40.13 | 13.13 | 0.00 | 27.00 | 08-21-98 | <100 | <1 | <1 | <1 | <1 | 180 | -- | -- | -- | |
| MW-6 | 10-20-98 | 40.13 | 13.48 | 0.00 | 26.65 | 10-20-98 | <100 | <1 | <1 | <1 | <1 | 180 | -- | -- | -- | |
| MW-6 | 02-16-99 | 40.13 | 11.92 | 0.00 | 28.21 | 02-16-99 | <200 | <2 | <2 | <2 | <2 | 200 | -- | -- | -- | |
| MW-6 | 05-24-99 | 40.13 | 12.80 | 0.00 | 27.33 | 05-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 120 | -- | -- | -- | |
| MW-6 | 08-24-99 | 40.13 | 13.03 | 0.00 | 27.10 | 08-24-99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 44 | -- | 0.46 | NP | |
| MW-6 | 11-16-99 | 40.13 | 12.70 | 0.00 | 27.43 | 11-16-99 | <50 | <0.5 | <0.5 | <0.5 | <1 | 17 | 17 | 0.0 | NP | |
| MW-6 | 02-01-00 | 40.13 | 8.61 | 0.00 | 31.52 | 02-02-00 | <50 | <0.5 | <0.5 | <0.5 | <1 | 6 | -- | 1.0 | NP | |
| MW-6 | 06-21-00 | 40.13 | 12.88 | 0.00 | 27.25 | 06-21-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 2.57 | -- | 2.8 | NP | |
| MW-6 | 11-06-00 | 40.13 | 12.74 | 0.00 | 27.39 | 11-06-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 3.77 | -- | 1.51 | NP | |
| DUP | 11-06-00 | -- | -- | -- | -- | 11-06-00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 4.03 | -- | -- | -- | |
| MW-6 | 05-04-01 | 40.13 | 11.29 | 0.00 | 28.84 | 05-04-01 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 10.5 | 12.3 | -- | NP | |
| MW-6 | 10-03-01 | 40.13 | 11.35 | 0.00 | 28.78 | 10-03-01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.8 | 4.8 | 0.61 | NP | |

**Table 1
Groundwater Monitoring Data**

**ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California**

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater Elevation [1] (ft-MSL) | Date Sampled | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE 8021B* (µg/L) | MTBE 8240/8260 (µg/L) | Dissolved Oxygen (mg/L) | Purged/Not Purged (P/NP) | |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--|----------------|----------------|----------------------|----------------------|--------------------|-----------------------|-------------------------|--------------------------|----|
| RW-1 | 03-24-95 | 40.33 | 9.32 | 0.01 | 31.02 | 03-24-95 | 11,000 | 560 | 660 | 150 | 1,700 | -- | -- | -- | -- | |
| RW-1 | 05-24-95 | 40.33 | 9.75 | 0.03 | 30.60 | 05-24-95 | Not sampled: well contained floating product | | | | | | | | -- | -- |
| RW-1 | 08-22-95 | 40.33 | 10.86 | 0.02 | 29.48 | 08-22-95 | Not sampled: well contained floating product | | | | | | | | -- | -- |
| RW-1 | 11-09-95 | 40.33 | 20.61 | 0.00 | 19.72 | 11-09-95 | 1,600 | 79 | 46 | 13 | 240 | -- | -- | -- | -- | |
| RW-1 | 02-27-96 | 40.33 | 16.56 | 0.00 | 23.77 | 02-27-96 | 210 | 44 | 7.5 | 2.5 | 24 | 29 | -- | -- | -- | |
| RW-1 | 04-22-96 | 40.33 | 9.65 | 0.00 | 30.68 | 04-22-96 | 36,000 | 7,400 | 3,700 | 580 | 3,400 | <300 | -- | -- | -- | |
| RW-1 | 08-15-96 | 40.33 | 10.60 | 0.00 | 29.73 | 08-15-96 | 1,800 | 31 | 38 | 15 | 150 | <30 | -- | -- | -- | |
| RW-1 | 12-10-96 | 40.33 | 8.72 | 0.00 | 31.61 | 12-10-96 | 25,000 | 1,900 | 1,000 | 330 | 3,200 | <100 | -- | -- | -- | |
| RW-1 | 03-27-97 | 40.33 | 10.33 | 0.00 | 30.00 | 03-27-97 | 7,200 | 1,900 | 59 | 95 | 240 | 480 | -- | -- | -- | |
| RW-1 | 05-22-97 | 40.33 | 10.10 | 0.00 | 30.23 | 05-22-97 | 3,000 | 630 | 84 | 45 | 340 | <60 | -- | -- | -- | |
| RW-1 | 09-04-97 | 40.33 | 10.42 | 0.00 | 29.91 | 09-04-97 | 7,100 | 120 | 55 | 14 | 160 | <60 | -- | -- | -- | |
| RW-1 | 11-03-97 | 40.33 | 9.10 | 0.00 | 31.23 | 11-03-97 | <200 | 14 | 19 | 3 | 19 | 140 | -- | -- | -- | |
| RW-1 | 02-20-98 | 40.33 | 7.49 | 0.00 | 32.84 | 02-20-98 | 3,800 | 1,000 | 85 | 64 | 220 | 950 | -- | -- | -- | |
| RW-1 | 05-18-98 | 40.33 | 8.90 | 0.00 | 31.43 | 05-18-98 | <200 | 45 | <2 | 2 | 4 | 220 | -- | -- | -- | |
| RW-1 | 08-20-98 | 40.33 | 11.06 | 0.00 | 29.27 | 08-21-98 | 480 | 200 | <2 | <2 | 30 | 180 | -- | -- | -- | |
| RW-1 | 10-20-98 | 40.33 | 11.12 | 0.00 | 29.21 | 10-20-98 | 110 | 36 | 2.9 | <0.5 | 4.1 | 5 | -- | -- | -- | |
| RW-1 | 02-16-99 | 40.33 | 7.70 | 0.00 | 32.63 | 02-17-99 | 250 | 61 | 2 | 2 | 19 | 94 | -- | -- | -- | |
| RW-1 | 05-24-99 | 40.33 | 11.12 | 0.00 | 29.21 | 05-24-99 | 4,500 | 2,000 | 7 | <2 | 180 | 35 | -- | -- | -- | |
| RW-1 | 08-24-99 | 40.33 | 10.15 | 0.00 | 30.18 | 08-24-99 | 2,600 | 1,100 | 6.3 | 2.3 | 17 | 39 | -- | 0.52 | NP | |
| RW-1 | 11-16-99 | 40.33 | 9.95 | 0.00 | 30.38 | 11-16-99 | 1,200 | 2,600 | 16 | 86 | 41 | 140 | -- | 1.4 | P | |
| RW-1 | 02-01-00 | 40.33 | 11.88 | 0.00 | 28.45 | 02-02-00 | 11,000 | 980 | 230 | 200 | 1,400 | 38 | -- | 1.0 | NP | |
| RW-1 | 06-21-00 | 40.33 | 9.83 | 0.00 | 30.50 | 06-21-00 | 899 | 278 | <2.50 | 8.70 | 8.46 | 61.1 | -- | 1.3 | NP | |
| RW-1 | 11-06-00 | 40.33 | 8.45 | 0.00 | 31.88 | 11-06-00 | 156,000 | 3,260 | 28,800 | 4,570 | 25,700 | 26,200 | -- | 0.63 | P | |
| RW-1 | 05-04-01 | 40.33 | 8.57 | 0.00 | 31.76 | 05-04-01 | 244,000 | 8,420 | 56,000 | 5,660 | 36,200 | 23,400 | 11,000 | -- | P | |
| RW-1 | 10-03-01 | 40.33 | 9.13 | 0.00 | 31.20 | 10-03-01 | 120,000 | 2,500 | 33,000 | 3,800 | 21,000 | 3,300 | -- | 0.38 | P | |
| S-5 | 05-31-01 | -- | -- | -- | -- | 05-31-01 | 310,000 | 3,000 | 11,000 | 4,000 | 34,000 | <2,500 | -- | -- | -- | |
| S-5 | 10-03-01 | -- | 10.00 | -- | -- | 10-03-01 | 70,000 | 1,800 | 7,800 | 1,400 | 20,000 | <120 | -- | 0.25 | NP | |

Table 1
Groundwater Monitoring Data
ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California

| Well Number | Date Gauged | TOC Elevation (ft-MSL) | Depth to Water (feet) | FP Thickness (feet) | Groundwater Elevation [1] (ft-MSL) | Date Sampled | TPHg ($\mu\text{g/L}$) | Benzene ($\mu\text{g/L}$) | Toluene ($\mu\text{g/L}$) | Ethyl-benzene ($\mu\text{g/L}$) | Total Xylenes ($\mu\text{g/L}$) | MTBE 8021B* ($\mu\text{g/L}$) | MTBE 8240/8260 ($\mu\text{g/L}$) | Dissolved Oxygen (mg/L) | Purged/Not Purged (P/NP) |
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|---------------------------------|------------------------------------|-------------------------|--------------------------|
|-------------|-------------|------------------------|-----------------------|---------------------|------------------------------------|--------------|--------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|---------------------------------|------------------------------------|-------------------------|--------------------------|

TOC: top of casing

ft-MSL: elevation in feet, relative to mean sea level

TPH: total petroleum hydrocarbons as gasoline, California DHS LUFT Method

BTEX: benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 11/16/99).

MTBE: Methyl tert-butyl ether

$\mu\text{g/L}$: micrograms per liter

mg/L: milligrams per liter

--: not analyzed or not applicable

<: denotes concentration not present at or above laboratory detection limit stated to the right.

[1] = Computed by adding correction factor to groundwater elevation. Correction factor = free product thickness times 0.73 (approximate specific gravity of gasoline).

*: EPA method 8020 prior to 11/16/99

** : For previous historical groundwater elevation and analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Program Results and Remediation System Performance Evaluation Report, ARCO Service Station 2035, Albany, California*, (EMCON, March 25, 1996).

DUP: duplicate sample

**Table 2
Groundwater Flow Direction and Gradient**

**ARCO Service Station No. 2035
1001 San Pablo Avenue, Albany, California**

| Date Measured | Average Flow Direction | Average Hydraulic Gradient |
|----------------------|-------------------------------|-----------------------------------|
| 03-24-95 | Northwest | 0.037 |
| 05-24-95 | West-Northwest | 0.013 |
| 08-22-95 | Southwest | 0.012 |
| 11-09-95 | West-Southwest | 0.01 |
| 02-27-96 | Southwest | 0.009 |
| 04-22-96 | West-Southwest | 0.014 |
| 08-15-96 | Southwest | 0.011 |
| 12-10-96 | West-Southwest | 0.023 |
| 03-27-97 | West-Southwest | 0.026 |
| 05-22-97 | West-Southwest | 0.024 |
| 09-04-97 | West | 0.019 |
| 11-03-97 | Southwest | 0.038 |
| 02-20-98 | West | 0.031 |
| 05-18-98 | West | 0.02 |
| 08-20-98 | West | 0.02 |
| 10-20-98 | West | 0.02 |
| 02-16-99 | West | 0.03 |
| 05-24-99 | West-Southwest | 0.03 |
| 08-24-99 | West-Southwest | 0.01 |
| 11-16-99 | West-Southwest | 0.02 |
| 02-01-00 | Northwest | 0.08 |
| 06-21-00 | West | 0.023 |
| 11-06-00 | West | 0.018 |
| 05-04-01 | West-Southwest | 0.015 |
| 10-03-01 | Southwest | 0.013 |

APPENDIX D

JOINT MONITORING DATA

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-1 | 05/13/1991 | 1,500 | 20 | 2.6 | 86 | 74 | --- | --- | --- | --- | --- | --- | 42.73 | 8.24 | 34.49 | --- | --- |
| S-1 | 08/23/1991 | 2,900 | 27 | <2.5 | 75 | 18 | --- | --- | --- | --- | --- | --- | 42.73 | 8.37 | 34.36 | --- | --- |
| S-1 | 11/07/1991 | 2,900 | 8.0 | 2.5 | 46 | 26 | --- | --- | --- | --- | --- | --- | 42.73 | 8.30 | 34.43 | --- | --- |
| S-1 | 01/28/1992 | 2,000 | 11 | <2.5 | 60 | 20 | --- | --- | --- | --- | --- | --- | 42.73 | 7.84 | 34.89 | --- | --- |
| S-1 | 05/06/1992 | 1,200 | 5.5 | <2.5 | 80 | 36 | --- | --- | --- | --- | --- | --- | 42.73 | 7.95 | 34.78 | --- | --- |
| S-1 | 08/26/1992 | 2,000 | 9.4 | <2.5 | 130 | <2.5 | --- | --- | --- | --- | --- | --- | 42.73 | 8.24 | 34.49 | --- | --- |
| S-1 | 10/28/1992 | 1,300 | 27 | 3.2 | 72 | 13 | --- | --- | --- | --- | --- | --- | 42.73 | 8.52 | 34.21 | --- | --- |
| S-1 | 01/19/1993 | 1,500 | 13 | 3.0 | 29 | 31 | --- | --- | --- | --- | --- | --- | 42.73 | 6.54 | 36.19 | --- | --- |
| S-1 | 04/29/1993 | 2,000 | 15 | <2.5 | 82 | <6.5 | --- | --- | --- | --- | --- | --- | 42.73 | 7.93 | 34.80 | --- | --- |
| S-1 | 07/22/1993 | 620 | 1.1 | 4.2 | 3.5 | 13 | --- | --- | --- | --- | --- | --- | 42.73 | 8.09 | 34.64 | --- | --- |
| S-1 | 10/21/1993 | 1,200 | 34 | 25 | 15 | 9.5 | --- | --- | --- | --- | --- | --- | 42.73 | 9.43 | 33.30 | --- | --- |
| S-1 | 01/04/1994 | 860 | <2.5 | <2.5 | 5.7 | 5.3 | --- | --- | --- | --- | --- | --- | 42.73 | 8.25 | 34.48 | --- | --- |
| S-1 | 04/13/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.02 | 34.71 | --- | --- |
| S-1 | 07/25/1994 | 1,200 | 8.3 | 7.4 | 15 | 20 | --- | --- | --- | --- | --- | --- | 42.73 | 8.22 | 34.51 | --- | --- |
| S-1 | 10/10/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.29 | 34.44 | --- | --- |
| S-1 | 01/26/1995 | 1,000 | 12 | 0.60 | 12 | 420 | --- | --- | --- | --- | --- | --- | 42.73 | 6.88 | 35.85 | --- | --- |
| S-1 | 04/21/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.65 | 35.08 | --- | --- |
| S-1 | 07/28/1995 | 660 | 7.2 | 1.0 | 11 | 8.9 | --- | --- | --- | --- | --- | --- | 42.73 | 7.90 | 34.83 | --- | 4 |
| S-1 | 10/31/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.72 | 35.01 | --- | --- |
| S-1 | 01/10/1996 | 1,100 | 3.5 | 7.0 | 5.1 | 9.4 | --- | --- | --- | --- | --- | --- | 42.73 | 8.24 | 34.49 | --- | 7.4 |
| S-1 | 04/25/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.74 | 34.99 | --- | --- |
| S-1 | 07/23/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 42.73 | 7.92 | 34.81 | --- | 2.7 |
| S-1 | 12/10/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.56 | 35.17 | --- | 0.6 |
| S-1 | 02/20/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 42.73 | 7.95 | 34.78 | --- | 3 |
| S-1 | 05/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.11 | 34.62 | --- | 0.5 |
| S-1 | 08/22/1997 | 810 | 18 | <2.0 | 5.1 | 4.4 | 18 | --- | --- | --- | --- | --- | 42.73 | 7.86 | 34.87 | --- | 3 |
| S-1 | 11/03/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.35 | 34.38 | --- | 1.1 |
| S-1 | 02/20/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 42.73 | 6.09 | 36.64 | --- | 2.9 |
| S-1 | 05/18/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.69 | 35.04 | --- | 1.1 |
| S-1 | 08/20/1998 | 390 | 6.7 | <0.50 | 0.64 | <0.50 | 14 | --- | --- | --- | --- | --- | 42.73 | 8.20 | 34.53 | --- | 1.9 |
| S-1 | 11/06/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.23 | 34.50 | --- | --- |
| S-1 | 02/16/1999 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 42.73 | 7.47 | 35.26 | --- | 1.5 |
| S-1 | 05/28/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.60 | 35.13 | --- | 1.3 |
| S-1 | 08/24/1999 | 72.4 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 42.73 | 7.95 | 34.78 | --- | 1.4 |
| S-1 | 11/16/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.87 | 34.86 | --- | 1.3 |

TABLE 2

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA**

| <i>Well ID</i> | <i>Date</i> | <i>TPHg (µg/L)</i> | <i>B (µg/L)</i> | <i>T (µg/L)</i> | <i>E (µg/L)</i> | <i>X (µg/L)</i> | <i>MTBE 8020 (µg/L)</i> | <i>MTBE 8260 (µg/L)</i> | <i>TBA (µg/L)</i> | <i>DIPE (µg/L)</i> | <i>ETBE (µg/L)</i> | <i>TAME (µg/L)</i> | <i>TOC (ft MSL)</i> | <i>Depth to Water (ft TOC)</i> | <i>GW Elevation (ft MSL)</i> | <i>SPH Thickness (ft)</i> | <i>DO Reading (mg/L)</i> |
|----------------|-------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------------|---------------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|--|--------------------------------------|-----------------------------------|----------------------------------|
| S-1 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | --- | --- | --- | --- | --- | 42.73 | 7.26 | 35.47 | --- | 1.4 |
| S-1 | 05/09/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.13 | 34.60 | --- | 1.0 |
| S-1 | 08/03/2000 | 209 | 6.42 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 42.73 | 8.12 | 34.61 | --- | 1.4 |
| S-1 | 11/15/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.06 | 34.67 | --- | 1.0 |
| S-1 | 02/14/2001 | 179 | 4.46 | <0.500 | <0.500 | <0.500 | 8.72 | --- | --- | --- | --- | --- | 42.73 | 8.08 | 34.65 | --- | 1.1 |
| S-1 | 05/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.05 | 34.68 | --- | 1.0 |
| S-1 | 08/15/2001 | 270 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 42.73 | 8.40 | 34.33 | --- | 1.3 |
| S-1 | 12/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 7.42 | 35.31 | --- | 0.4 |
| S-1 | 02/06/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 42.73 | 7.60 | 35.13 | --- | 2.2 |
| S-1 | 06/04/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.73 | 8.16 | 34.57 | --- | 0.8 |
| S-1 | 07/25/2002 | 230 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 42.57 | 7.84 | 34.73 | --- | 0.9 |
| S-1 | 11/27/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.01 | 34.56 | --- | 0.6 |
| S-1 | 01/30/2003 | 310 | <0.50 | <0.50 | 3.6 | 1.6 | --- | <5.0 | --- | --- | --- | --- | 42.57 | 7.56 | 35.01 | --- | 1.5 |
| S-1 | 06/03/2003 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 7.87 | 34.70 | --- | 1.6 |
| S-1 | 08/08/2003 | 730 | <0.50 | <0.50 | 12 | 6.4 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 7.95 | 34.62 | --- | 1.3 |
| S-1 | 11/13/2003 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 7.90 | 34.67 | --- | 0.8 |
| S-1 | 02/04/2004 | 220 | <0.50 | <0.50 | 1.8 | 1.1 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 7.37 | 35.20 | --- | 1.2 |
| S-1 | 05/12/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.05 | 34.52 | --- | 1.1 |
| S-1 | 08/23/2004 | 110 d | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 8.10 | 34.47 | --- | 0.6 |
| S-1 | 12/01/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 7.84 | 34.73 | --- | --- |
| S-1 | 02/07/2005 | 53 d | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 7.48 | 35.09 | --- | 0.49 |
| S-1 | 05/02/2005 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.05 | 34.52 | --- | --- |
| S-1 | 08/04/2005 | 850 | <0.50 | <0.50 | 4.5 | 1.0 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 8.05 | 34.52 | --- | 0.01 |
| S-1 | 11/16/2005 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.19 | 34.38 | --- | --- |
| S-1 | 03/02/2006 | 170 | <0.50 | <0.50 | 2.4 | 0.91 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 7.58 | 34.99 | --- | 0.32 |
| S-1 | 05/31/2006 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.03 | 34.54 | --- | --- |
| S-1 | 08/29/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | --- | <0.500 | --- | --- | --- | --- | 42.57 | 7.99 | 34.58 | --- | 1.05 |
| S-1 | 12/06/2006 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.07 | 34.50 | --- | 0.4 |
| S-1 | 01/30/2007 | 640 | <0.50 | <0.50 | 1.9 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 8.32 | 34.25 | --- | 1.20 |
| S-1 | 05/15/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 7.85 | 34.72 | --- | 0.16 |
| S-1 | 08/29/2007 | 980 f | 0.37 g | <1.0 | 3.3 | <1.0 | --- | <1.0 | <10 | <2.0 | <2.0 | <2.0 | 42.57 | 7.87 | 34.70 | --- | 2.54 |
| S-1 | 11/29/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.18 | 34.39 | --- | 0.28 |
| S-1 | 02/21/2008 | 430 f | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 7.94 | 34.63 | --- | 0.27 |
| S-1 | 05/06/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.00 | 34.57 | --- | 0.1 |
| S-1 | 08/27/2008 | 170 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 8.45 | 34.12 | --- | 0.21 |

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|------------|-------------------|----------------|-----------------|-----------------|-----------------|----------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-1 | 11/24/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.49 | 34.08 | --- | 0.06 |
| S-1 | 01/28/2009 | 390 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 8.29 | 34.28 | --- | 1.70 |
| S-1 | 05/26/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42.57 | 8.11 | 34.46 | --- | --- |
| S-1 | 11/24/2009 | 230 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 8.34 | 34.23 | --- | 1.47 |
| S-1 | 05/26/2010 | 490 | <0.50 | <1.0 | 1.3 | 2.1 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 7.99 | 34.58 | --- | 0.38 |
| S-1 | 11/30/2010 | 220 | 1.7 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 7.98 | 34.59 | --- | 0.65 |
| S-1 | 05/11/2011 | <50 | <0.50 | <0.50 | <0.50 | 1.0 | --- | <1.0 | --- | --- | --- | --- | 42.57 | 8.19 | 34.38 | --- | 1.49 |
| S-1 | 11/28/2011 | 56 | <0.500 | <0.500 | <0.500 | <0.500 | --- | <0.500 | --- | --- | --- | --- | 42.57 | 7.97 | 34.60 | --- | 1.62 |
| S-1 | 06/05/2012 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 8.22 | 34.35 | --- | 1.46 |
| S-1 | 11/28/2012 | 5,400 | 10 | 3.4 | 2.8 | 6.6 | --- | 22 | --- | --- | --- | --- | 42.57 | 7.53 | 35.04 | --- | 1.54 |
| S-1 | 12/21/2012 | 79 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 42.57 | 7.70 | 34.87 | --- | --- |
| S-2 | 05/13/1991 | 23,000 | 3,900 | 230 | 1,100 | 3,200 | --- | --- | --- | --- | --- | --- | 40.73 | 8.50 | 32.23 | --- | --- |
| S-2 | 08/23/1991 | 23,000 | 4,400 | 260 | 1,900 | 2,400 | --- | --- | --- | --- | --- | --- | 40.73 | 8.80 | 31.93 | --- | --- |
| S-2 | 11/07/1991 | 40,000 | 4,000 | 160 | 1,020 | 3,400 | --- | --- | --- | --- | --- | --- | 40.73 | 8.61 | 32.12 | --- | --- |
| S-2 | 01/28/1992 | 22,000 | 1,600 | 70 | 420 | 1,700 | --- | --- | --- | --- | --- | --- | 40.73 | 7.80 | 32.93 | --- | --- |
| S-2 | 05/06/1992 | 20,000 | 2,600 | 110 | 860 | 1,900 | --- | --- | --- | --- | --- | --- | 40.73 | 8.10 | 32.63 | --- | --- |
| S-2 | 08/26/1992 | 42,000 | 5,000 | 160 | 1,100 | 3,500 | --- | --- | --- | --- | --- | --- | 40.73 | 8.37 | 32.36 | --- | --- |
| S-2 | 10/28/1992 | 34,000 | 4,800 | 330 | 1,600 | 2,900 | --- | --- | --- | --- | --- | --- | 40.73 | 8.64 | 32.09 | --- | --- |
| S-2 | 01/19/1993 | 20,000 | 2,300 | 370 | 660 | 1,300 | --- | --- | --- | --- | --- | --- | 40.73 | 5.82 | 34.91 | --- | --- |
| S-2 | 04/29/1993 | 40,000 | 2,000 | 67 | 900 | 1,900 | --- | --- | --- | --- | --- | --- | 40.73 | 7.70 | 33.03 | --- | --- |
| S-2 | 07/22/1993 | 22,000 | 3,000 | 120 | 1,000 | 1,600 | --- | --- | --- | --- | --- | --- | 40.73 | 8.38 | 32.35 | --- | --- |
| S-2 (D) | 07/22/1993 | 17,000 | 3,000 | 110 | 1,000 | 1,500 | --- | --- | --- | --- | --- | --- | 40.73 | 8.38 | 32.35 | --- | --- |
| S-2 | 10/21/1993 | 14,000 | 2,800 | 74 | 870 | 1,100 | --- | --- | --- | --- | --- | --- | 40.73 | 8.58 | 32.15 | --- | --- |
| S-2 (D) | 10/21/1993 | 13,000 | 3,200 | 53 | 960 | 820 | --- | --- | --- | --- | --- | --- | 40.73 | 8.58 | 32.15 | --- | --- |
| S-2 | 01/04/1994 | 21,000 | 2,100 | 67 | 990 | 770 | --- | --- | --- | --- | --- | --- | 40.73 | 7.70 | 33.03 | --- | --- |
| S-2 (D) | 01/04/1994 | 22,000 | 2,000 | 64 | 910 | 750 | --- | --- | --- | --- | --- | --- | 40.73 | 7.70 | 33.03 | --- | --- |
| S-2 | 04/13/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.62 | 33.11 | --- | --- |
| S-2 | 07/25/1994 | 43,000 | 2,600 | 490 | 990 | 1,300 | --- | --- | --- | --- | --- | --- | 40.73 | 7.86 | 32.87 | --- | --- |
| S-2 | 10/10/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.12 | 32.61 | --- | --- |
| S-2 | 01/26/1995 | 21,000 | 790 | 12 | 290 | 570 | --- | --- | --- | --- | --- | --- | 40.73 | 6.38 | 34.35 | --- | 5.5 |
| S-2 | 04/21/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.01 | 33.72 | --- | --- |
| S-2 | 07/28/1995 | 14,000 | 2,400 | 360 | 960 | 370 | --- | --- | --- | --- | --- | --- | 40.73 | 7.82 | 32.91 | --- | 4 |
| S-2 | 10/31/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.57 | 33.16 | --- | --- |
| S-2 | 01/10/1996 | 17,000 | 1,400 | <50 | 480 | 170 | --- | --- | --- | --- | --- | --- | 40.73 | 8.13 | 32.60 | --- | 7.2 |

TABLE 2

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA**

| <i>Well ID</i> | <i>Date</i> | <i>TPHg (µg/L)</i> | <i>B (µg/L)</i> | <i>T (µg/L)</i> | <i>E (µg/L)</i> | <i>X (µg/L)</i> | <i>MTBE 8020 (µg/L)</i> | <i>MTBE 8260 (µg/L)</i> | <i>TBA (µg/L)</i> | <i>DIPE (µg/L)</i> | <i>ETBE (µg/L)</i> | <i>TAME (µg/L)</i> | <i>TOC (ft MSL)</i> | <i>Depth to Water (ft TOC)</i> | <i>GW Elevation (ft MSL)</i> | <i>SPH Thickness (ft)</i> | <i>DO Reading (mg/L)</i> |
|----------------|-------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------------|---------------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|--|--------------------------------------|-----------------------------------|----------------------------------|
| S-2 | 04/25/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.72 | 33.01 | --- | --- |
| S-2 | 07/23/1996 | 16,000 | 2,700 | 69 | 1,100 | 110 | 9,500 | --- | --- | --- | --- | --- | 40.73 | 8.10 | 32.63 | --- | 2.2 |
| S-2 (D) | 07/23/1996 | 11,000 | 2,600 | 68 | 1,000 | 96 | 10,000 | 11,000 | --- | --- | --- | --- | 40.73 | 8.10 | 32.63 | --- | 2.2 |
| S-2 | 12/10/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.57 | 32.16 | --- | 0.5 |
| S-2 | 02/20/1997 | 10,000 | 500 | <10 | 90 | 130 | 6,400 | --- | --- | --- | --- | --- | 40.73 | 8.15 | 32.58 | --- | 4 |
| S-2 | 05/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.79 | 31.94 | --- | 1.1 |
| S-2 | 08/22/1997 | 23,000 | 1,300 | 65 | 740 | 290 | 4,500 | --- | --- | --- | --- | --- | 40.73 | 8.05 | 32.68 | --- | 3.2 |
| S-2 (D) | 08/22/1997 | 20,000 | 1,200 | <100 | 630 | 250 | 3,900 | --- | --- | --- | --- | --- | 40.73 | 8.05 | 32.68 | --- | 3.2 |
| S-2 | 11/03/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.75 | 31.98 | --- | 1.2 |
| S-2 | 02/20/1998 | 450 | 28 | 1.3 | 7.4 | 12 | 35 | --- | --- | --- | --- | --- | 40.73 | 6.34 | 34.39 | --- | 0.4 |
| S-2 | 05/18/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.95 | 32.78 | --- | 0.8 |
| S-2 | 08/20/1998 | 22,000 | 290 | 44 | 420 | 410 | 7,300 | --- | --- | --- | --- | --- | 40.73 | 7.73 | 33.00 | --- | 1.9 |
| S-2 | 11/06/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.47 | 32.26 | --- | --- |
| S-2 | 02/16/1999 | 27,000 | 200 | <200 | 770 | 840 | 5,400 | --- | --- | --- | --- | --- | 40.73 | 7.24 | 33.49 | --- | 1.4 |
| S-2 | 05/28/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.82 | 32.91 | --- | 1.3 |
| S-2 | 08/24/1999 | 13,400 | 196 | <25.0 | 439 | 113 | 597 | --- | --- | --- | --- | --- | 40.73 | 8.61 | 32.12 | --- | 1.2 |
| S-2 | 11/16/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.17 | 32.56 | --- | 1.1 |
| S-2 | 02/02/2000 | 7,850 | 176 | 88.0 | 134 | 111 | 540 | --- | --- | --- | --- | --- | 40.73 | 7.57 | 33.16 | --- | 1.2 |
| S-2 | 05/09/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.94 | 32.79 | --- | 1.3 |
| S-2 | 08/03/2000 | 35,000 | 255 | 122 | 842 | 224 | 905 | 726 b | --- | --- | --- | --- | 40.73 | 8.07 | 32.66 | --- | 1.1 |
| S-2 | 11/15/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 8.13 | 32.60 | --- | 1.3 |
| S-2 | 02/14/2001 | 13,000 | 147 | <25.0 | 309 | 54.4 | 581 | --- | --- | --- | --- | --- | 40.73 | 6.39 | 34.34 | --- | 1.4 |
| S-2 | 05/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 7.21 | 33.52 | --- | 1.5 |
| S-2 | 08/15/2001 | 15,000 | 67 | 4.1 | 220 | 33 | --- | 440 | --- | --- | --- | --- | 40.73 | 8.27 | 32.46 | --- | 0.6 |
| S-2 | 12/31/2001 | --- | --- | --- | --- | --- | --- | 270 | --- | --- | --- | --- | 40.73 | 6.07 | 34.66 | --- | 0.2 |
| S-2 | 02/06/2002 | 15,000 | 53 | 2.8 | 120 | 31 | --- | 220 | --- | --- | --- | --- | 40.73 | 7.98 | 32.75 | --- | 1.8 |
| S-2 | 06/04/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.73 | 6.70 | 34.03 | --- | 0.2 |
| S-2 | 07/25/2002 | 9,000 | 75 | 4.0 | 180 | 24 | --- | 460 | --- | --- | --- | --- | 40.63 | 7.67 | 32.96 | --- | 0.9 |
| S-2 | 11/27/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.63 | 7.84 | 32.79 | --- | 0.7 |
| S-2 | 01/30/2003 | 15,000 | 26 | <2.5 | 92 | 22 | --- | 210 | --- | --- | --- | --- | 40.63 | 7.29 | 33.34 | --- | 15.6 |
| S-2 | 06/03/2003 | 17,000 | <25 | <25 | 130 | <50 | --- | 290 | --- | --- | --- | --- | 40.63 | 7.87 | 32.76 | --- | 5.4 |
| S-2 | 08/08/2003 | 4,500 | <2.5 | <2.5 | 9.4 | <5.0 | --- | 140 | --- | --- | --- | --- | 40.63 | 8.18 | 32.45 | --- | 16.2 |
| S-2 | 11/13/2003 | 10,000 | 18 | <10 | 47 | 21 | --- | 180 | --- | --- | --- | --- | 40.63 | 7.98 | 32.65 | --- | 19.5 |
| S-2 | 02/04/2004 | 5,700 | 54 | <10 | 54 | <20 | --- | 270 | --- | --- | --- | --- | 40.63 | 7.21 | 33.42 | --- | >15 |
| S-2 | 05/12/2004 | 8,200 | 18 | <10 | <10 | <20 | --- | 250 | --- | --- | --- | --- | 40.63 | 8.07 | 32.56 | --- | 3.1 |

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE | MTBE | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to | GW | SPH | DO |
|------------|-------------------|----------------|-------------|-------------|-------------|-------------|----------------|----------------|---------------|----------------|----------------|----------------|-----------------|-------------------|-----------------------|-------------------|-------------------|
| | | | | | | | 8020 (µg/L) | 8260 (µg/L) | | | | | | Water (ft TOC) | Elevation (ft MSL) | Thickness (ft) | Reading (mg/L) |
| S-2 | 08/23/2004 | 4,100 | <10 | <10 | <10 | <20 | --- | 84 | <100 | <40 | <40 | <40 | 40.63 | 8.52 | 32.11 | --- | 10.7 |
| S-2 | 12/01/2004 | 2,000 | 3.4 | <2.5 | 6.2 | <5.0 | --- | 77 | --- | --- | --- | --- | 40.63 | 8.70 | 31.93 | --- | 11.8 |
| S-2 | 02/07/2005 | 7,400 | 32 | 1.6 | 29 | 3.1 | --- | 210 | --- | --- | --- | --- | 40.63 | 7.58 | 33.05 | --- | 0.11 |
| S-2 | 05/02/2005 | 8,100 | 84 | 4.9 | 83 | 5.5 | --- | 320 | --- | --- | --- | --- | 40.63 | 7.45 | 33.18 | --- | 0.6 |
| S-2 | 08/04/2005 | 4,900 | 48 | 2.1 | 19 | 2.8 | --- | 330 | 55 | <4.0 | <4.0 | <4.0 | 40.63 | 7.90 | 32.73 | --- | 0.4 |
| S-2 | 11/16/2005 | 13,700 | 43.8 | 2.79 | 25.1 | 5.92 | --- | 156 | --- | --- | --- | --- | 40.63 | 8.33 | 32.30 | --- | 0.5 |
| S-2 | 03/02/2006 | 5,800 | 44 | 3.2 | 20 | 5.6 | --- | 190 | --- | --- | --- | --- | 40.63 | 6.74 | 33.89 | --- | 0.63 |
| S-2 | 05/31/2006 | 11,100 | 72.0 | 4.20 | 22.4 | 5.36 | --- | 308 | --- | --- | --- | --- | 40.63 | 7.46 | 33.17 | --- | 0.6 |
| S-2 | 08/29/2006 | 37,400 | 72.1 | 5.08 | 39.6 | 6.89 | --- | 377 | 46.7 | <0.500 | <0.500 | <0.500 | 40.63 | 8.02 | 32.61 | --- | 0.70 |
| S-2 | 12/06/2006 | 5,000 | 41 | 3.2 | 11 | 5.2 | --- | 170 | --- | --- | --- | --- | 40.63 | 8.04 | 32.59 | --- | 0.5 |
| S-2 | 01/30/2007 | 4,200 | 24 | 1.7 | 5.9 | 2.3 | --- | 140 | --- | --- | --- | --- | 40.63 | 8.08 | 32.55 | --- | 0.11 |
| S-2 | 05/15/2007 | 8,100 f | 48 | 3.5 | 19 | 6.2 g | --- | 180 | --- | --- | --- | --- | 40.63 | 8.05 | 32.58 | --- | 0.11 |
| S-2 | 08/29/2007 | 8,400 f | 60 | 3.8 | 12 | 4.68 g | --- | 270 | 64 | <4.0 | <4.0 | <4.0 | 40.63 | 8.01 | 32.62 | --- | 1.02 |
| S-2 | 11/29/2007 | 4,100 f | 48 | 4.8 h | 11 | 12.3 | --- | 280 | --- | --- | --- | --- | 40.63 | 8.25 | 32.38 | --- | 0.55 |
| S-2 | 02/21/2008 | 7,300 f | 57 | 4.0 | 13 | 4.7 | --- | 250 | --- | --- | --- | --- | 40.63 | 7.25 | 33.38 | --- | 0.40 |
| S-2 | 05/06/2008 | 8,900 | 42 | 3.1 | 9.8 | 4.1 | --- | 270 | --- | --- | --- | --- | 40.63 | 6.30 | 34.34 | 0.01 | 0.10/2.0 |
| S-2 | 08/27/2008 | 9,400 | 67 | <5.0 | 27 | 6.0 | --- | 240 | 67 | <10 | <10 | <10 | 40.63 | 8.33 | 32.30 | --- | 0.15 |
| S-2 | 11/24/2008 | 7,100 | 55 | <5.0 | 9.3 | <5.0 | --- | 210 | --- | --- | --- | --- | 40.63 | 8.43 | 32.20 | --- | 0.7 |
| S-2 | 01/28/2009 | 6,000 | 29 | <5.0 | 6.5 | <5.0 | --- | 130 | --- | --- | --- | --- | 40.63 | 8.19 | 32.44 | --- | 0.15 |
| S-2 | 05/26/2009 | 20,000 | 52 | 3.2 | 13 | 6.0 | --- | 330 | --- | --- | --- | --- | 40.63 | 7.85 | 32.78 | --- | 0.43 |
| S-2 | 11/24/2009 | 5,200 | 19 | <2.0 | 6.8 | 4.7 | --- | 120 | 80 | <4.0 | <4.0 | <4.0 | 40.63 | 8.32 | 32.31 | --- | 0.18 |
| S-2 | 05/26/2010 | 7,500 | 78 | <5.0 | 11 | <5.0 | --- | 330 | --- | --- | --- | --- | 40.63 | 7.62 | 33.01 | --- | 0.34 |
| S-2 | 11/30/2010 | 7,000 | 32 | 2.7 | 4.5 | 5.0 | --- | 170 | 86 | <4.0 | <4.0 | <4.0 | 40.63 | 7.74 | 32.89 | --- | 0.65 |
| S-2 | 05/11/2011 | 13,000 | 61 | 4.0 | 16 | 7.0 | --- | 210 | --- | --- | --- | --- | 40.63 | 7.60 | 33.03 | --- | 0.97 |
| S-2 | 11/28/2011 | 4,800 | 31.0 | 2.65 | 5.73 | 7.13 | --- | 143 | <10.0 | <0.500 | <0.500 | <0.500 | 40.63 | 7.70 | 32.93 | --- | 1.08 |
| S-2 | 06/05/2012 | 9,100 | 71 | 4.6 | 16 | 8.3 | --- | 280 | --- | --- | --- | --- | 40.63 | 7.89 | 32.74 | --- | 0.88 |
| S-2 | 11/28/2012 | 7,600 | 18 | 2.1 | 5.4 | 4.4 | --- | 97 | 47 | --- | --- | --- | 40.63 | 7.58 | 33.05 | --- | 1.08 |
| S-3 | 05/13/1991 | 3,300 | 30 | 3.6 | 26 | 13 | --- | --- | --- | --- | --- | --- | 41.46 | 7.90 | 33.56 | --- | --- |
| S-3 | 08/23/1991 | 2,000 | 25 | 4.0 | 9.3 | 4.5 | --- | --- | --- | --- | --- | --- | 41.46 | 8.14 | 33.32 | --- | --- |
| S-3 | 11/07/1991 | 4,000 | 20 | 3.9 | 5.0 | 4.9 | --- | --- | --- | --- | --- | --- | 41.46 | 7.91 | 33.55 | --- | --- |
| S-3 | 01/28/1992 | 2,100 | 21 | 7.6 | 6.7 | 15 | --- | --- | --- | --- | --- | --- | 41.46 | 7.53 | 33.93 | --- | --- |
| S-3 (D) | 01/28/1992 | 2,100 | 18 | 6.1 | 7.1 | 14 | --- | --- | --- | --- | --- | --- | 41.46 | 7.53 | 33.93 | --- | --- |
| S-3 | 05/06/1992 | 6,600 | 38 | 51 | 45 | 65 | --- | --- | --- | --- | --- | --- | 41.46 | 7.55 | 33.91 | --- | --- |
| S-3 | 08/26/1992 | 5,800 | 18 | 12 | 29 | 60 | --- | --- | --- | --- | --- | --- | 41.46 | 7.53 | 33.93 | --- | --- |

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-3 | 10/28/1992 | 3,000 | 55 | 11 | 16 | 32 | --- | --- | --- | --- | --- | --- | 41.46 | 7.95 | 33.51 | --- | --- |
| S-3 | 01/19/1993 | 3,100 | <5 | 5.1 | 11 | 16 | --- | --- | --- | --- | --- | --- | 41.46 | 6.12 | 35.34 | --- | --- |
| S-3 | 04/29/1993 | 3,000 | 31 | 22 | <5 | 14 | --- | --- | --- | --- | --- | --- | 41.46 | 7.27 | 34.19 | --- | --- |
| S-3 | 07/22/1993 | 2,600 | 3.1 | 43 | 23 | 53 | --- | --- | --- | --- | --- | --- | 41.46 | 7.62 | 33.84 | --- | --- |
| S-3 | 10/21/1993 | 2,500 | 73 | 14 | 16 | 32 | --- | --- | --- | --- | --- | --- | 41.46 | 7.81 | 33.65 | --- | --- |
| S-3 | 01/04/1994 | 4,800 | 13 | 21 | <12.5 | 33 | --- | --- | --- | --- | --- | --- | 41.46 | 7.49 | 33.97 | --- | --- |
| S-3 | 04/13/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.32 | 34.14 | --- | --- |
| S-3 | 07/25/1994 | 2,600 | 6.1 | 4.0 | 3.8 | 12 | --- | --- | --- | --- | --- | --- | 41.46 | 7.66 | 33.80 | --- | --- |
| S-3 | 10/10/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.49 | 33.97 | --- | --- |
| S-3 | 01/26/1995 | 3,600 | 30 | 6.8 | 5.6 | 19 | --- | --- | --- | --- | --- | --- | 41.46 | 6.50 | 34.96 | --- | --- |
| S-3 (D) | 01/26/1995 | 2,200 | 9.9 | 15 | 14 | 22 | --- | --- | --- | --- | --- | --- | 41.46 | 6.50 | 34.96 | --- | --- |
| S-3 | 04/21/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.79 | 34.67 | --- | --- |
| S-3 | 07/28/1995 | 3,700 | 27 | 9.3 | 20 | 34 | --- | --- | --- | --- | --- | --- | 41.46 | 7.28 | 34.18 | --- | 4 |
| S-3 | 10/31/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.74 | 34.72 | --- | --- |
| S-3 | 01/10/1996 | 4,000 | 10 | <0.50 | 13 | 28 | --- | --- | --- | --- | --- | --- | 41.46 | 7.48 | 33.98 | --- | 6.1 |
| S-3 | 04/25/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.90 | 34.56 | --- | --- |
| S-3 | 07/23/1996 | 2,100 | 20 | <0.50 | <0.50 | <0.50 | <25 | --- | --- | --- | --- | --- | 41.46 | 7.04 | 34.42 | --- | 2.1 |
| S-3 | 12/10/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.96 | 33.50 | --- | 0.7 |
| S-3 | 02/20/1997 | 3,500 | 83 | <5.0 | 18 | 16 | 130 | --- | --- | --- | --- | --- | 41.46 | 7.44 | 34.02 | --- | 3 |
| S-3 (D) | 02/20/1997 | 3,000 | 69 | <5.0 | 14 | 12 | 70 | --- | --- | --- | --- | --- | 41.46 | 7.44 | 34.02 | --- | 3 |
| S-3 | 05/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.13 | 34.33 | --- | 0.6 |
| S-3 | 08/22/1997 | 4,700 | 60 | 12 | 19 | 21 | 40 | --- | --- | --- | --- | --- | 41.46 | 6.81 | 34.65 | --- | 2.9 |
| S-3 | 11/03/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.40 | 34.06 | --- | 0.9 |
| S-3 | 02/20/1998 | 3,400 | <10 | <10 | 14 | 18 | 85 | --- | --- | --- | --- | --- | 41.46 | 6.55 | 34.91 | --- | 0.8 |
| S-3 (D) | 02/20/1998 | 3,100 | 8.6 | 7.8 | 12 | 16 | 57 | --- | --- | --- | --- | --- | 41.46 | 6.55 | 34.91 | --- | 0.8 |
| S-3 | 05/18/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.81 | 34.65 | --- | 0.7 |
| S-3 | 08/20/1998 | 4,400 | 67 | 23 | 9.8 | 22 | 240 | --- | --- | --- | --- | --- | 41.46 | 6.98 | 34.48 | --- | 2.2 |
| S-3 | 11/06/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.96 | 34.50 | --- | --- |
| S-3 | 02/16/1999 | 2,000 | 6.9 | 6.2 | 3.7 | 4.8 | 47 | --- | --- | --- | --- | --- | 41.46 | 6.93 | 34.53 | --- | 2.0 |
| S-3 | 05/28/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.74 | 34.72 | --- | 1.8 |
| S-3 | 08/24/1999 | 4,170 | 54.8 | 14.2 | 6.65 | 13.7 | 43.4 | --- | --- | --- | --- | --- | 41.46 | 9.05 | 32.41 | --- | 1.9 |
| S-3 | 11/16/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.09 | 34.37 | --- | 1.6 |
| S-3 | 02/02/2000 | 2,410 | 133 | 112 | 24.9 | 104 | 46.0 | --- | --- | --- | --- | --- | 41.46 | 6.59 | 34.87 | --- | 1.9 |
| S-3 | 05/09/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 7.13 | 34.33 | --- | 1.9 |
| S-3 | 08/03/2000 | 3,890 | 17.2 | 21.9 | <10.0 | <10.0 | 166 | --- | --- | --- | --- | --- | 41.46 | 6.82 | 34.64 | --- | 1.8 |

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE | MTBE | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to | GW | SPH | DO |
|---------|------------|----------------|-------------|-------------|-------------|-------------|----------------|----------------|---------------|----------------|----------------|----------------|-----------------|-------------------|-----------------------|-------------------|-------------------|
| | | | | | | | 8020 (µg/L) | 8260 (µg/L) | | | | | | Water (ft TOC) | Elevation (ft MSL) | Thickness (ft) | Reading (mg/L) |
| S-3 | 11/15/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.98 | 34.48 | --- | 1.6 |
| S-3 | 02/14/2001 | 2,800 | 35.8 | 5.57 | 3.83 | 2.94 | 1,070 | 1,250 | --- | --- | --- | --- | 41.46 | 6.57 | 34.89 | --- | 1.1 |
| S-3 | 05/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.46 | 6.72 | 34.74 | --- | 1.6 |
| S-3 | 08/15/2001 | 2,700 | 2.0 | 0.52 | <0.50 | 2.0 | --- | 140 | --- | --- | --- | --- | 41.46 | 7.44 | 34.02 | --- | 0.6 |
| S-3 | 12/31/2001 | 2,300 | <2.0 | <2.0 | <2.0 | <2.0 | --- | 470 | --- | --- | --- | --- | 41.46 | 6.62 | 34.84 | --- | 0.6 |
| S-3 | 02/06/2002 | 2,000 | 2.6 | 1.6 | 4.3 | 7.8 | --- | 170 | --- | --- | --- | --- | 41.46 | 7.22 | 34.24 | --- | 2.2 |
| S-3 | 06/04/2002 | 2,400 | 1.0 | 1.1 | 0.54 | 4.5 | --- | 120 | --- | --- | --- | --- | 41.46 | 7.34 | 34.12 | --- | 0.5 |
| S-3 | 07/25/2002 | 3,100 | 0.86 | <0.50 | <0.50 | 2.0 | --- | 92 | --- | --- | --- | --- | 41.37 | 6.98 | 34.39 | --- | 1.0 |
| S-3 | 11/27/2002 | 2,600 | 2.0 | 0.55 | <0.50 | 2.1 | --- | 44 | --- | --- | --- | --- | 41.37 | 7.62 | 33.75 | --- | 0.7 |
| S-3 | 01/30/2003 | 1,200 | 2.1 | 1.3 | 1.6 | 3.4 | --- | 42 | --- | --- | --- | --- | 41.37 | 7.14 | 34.23 | --- | 13.6 |
| S-3 | 06/03/2003 | 2,700 | 2.9 | <0.50 | 0.50 | 2.8 | --- | 43 | --- | --- | --- | --- | 41.37 | 7.25 | 34.12 | --- | 1.7 |
| S-3 | 08/08/2003 | 1,400 | 2.4 | 0.71 | <0.50 | 2.2 | --- | 32 | --- | --- | --- | --- | 41.37 | 7.67 | 33.70 | --- | >20 |
| S-3 | 11/13/2003 | 5,200 | 5.1 | 2.4 | <1.0 | 5.6 | --- | 69 | --- | --- | --- | --- | 41.37 | 7.56 | 33.81 | --- | 19.6 |
| S-3 | 02/04/2004 | 2,800 | 1.9 | <1.0 | 1.0 | 2.6 | --- | 20 | --- | --- | --- | --- | 41.37 | 7.12 | 34.25 | --- | >15 |
| S-3 | 05/12/2004 | 1,900 | 2.8 | <1.0 | <1.0 | 2.2 | --- | 9.7 | --- | --- | --- | --- | 41.37 | 7.94 | 33.43 | --- | 4.0 |
| S-3 | 08/23/2004 | 1,400 | 7.6 | 1.1 | <1.0 | 2.9 | --- | 13 | <10 | <4.0 | <4.0 | <4.0 | 41.37 | 8.09 | 33.28 | --- | 13.3 |
| S-3 | 12/01/2004 | 950 | 1.9 | <1.0 | <1.0 | <2.0 | --- | 5.6 | --- | --- | --- | --- | 41.37 | 8.21 | 33.16 | --- | 13.0 |
| S-3 | 02/07/2005 | 1,800 | 1.4 | <1.0 | <1.0 | 2.1 | --- | 9.9 | --- | --- | --- | --- | 41.37 | 7.69 | 33.68 | --- | 0.25 |
| S-3 | 05/02/2005 | 4,000 | 2.3 | 1.1 | 1.6 | 3.0 | --- | 9.9 | --- | --- | --- | --- | 41.37 | 7.20 | 34.17 | --- | 0.5 |
| S-3 | 08/04/2005 | 3,600 | 2.1 | <1.0 | <2.0 | 3.6 | --- | 8.5 | 33 | <4.0 | <4.0 | <4.0 | 41.37 | 8.14 | 33.23 | --- | 0.2 |
| S-3 | 11/16/2005 | 6,000 | 2.24 | 0.800 | 0.660 | 3.35 | --- | 3.83 | --- | --- | --- | --- | 41.37 | 8.39 | 32.98 | --- | 0.6 |
| S-3 | 03/02/2006 | 1,500 | 1.3 | <0.50 | 0.57 | 2.0 | --- | 5.1 | --- | --- | --- | --- | 41.37 | 7.09 | 34.28 | --- | 0.52 |
| S-3 | 05/31/2006 | 5,560 | 1.71 | 0.730 | 1.24 | 3.89 | --- | 8.01 e | --- | --- | --- | --- | 41.37 | 7.95 | 33.42 | --- | 0.5 |
| S-3 | 08/29/2006 | 4,850 | 1.82 | 0.680 | 1.19 | 2.22 | --- | 3.16 | <10.0 | <0.500 | <0.500 | <0.500 | 41.37 | 6.35 | 35.02 | --- | 0.88 |
| S-3 | 12/06/2006 | 2,900 | 1.1 | <0.50 | <0.50 | 2.2 | --- | <0.50 | --- | --- | --- | --- | 41.37 | 8.41 | 32.96 | --- | 0.3 |
| S-3 | 01/30/2007 | 2,100 | 1.0 | <0.50 | 0.53 | 1.8 | --- | 5.7 | --- | --- | --- | --- | 41.37 | 8.31 | 33.06 | --- | 0.36 |
| S-3 | 05/15/2007 | 3,500 f | 1.1 | 0.51 g | 0.76 g | 2.38 g | --- | 8.0 | --- | --- | --- | --- | 41.37 | 7.60 | 33.77 | --- | 0.11 |
| S-3 | 08/29/2007 | <50 f | 1.5 | 0.48 g | 0.50 g | 2.81 g | --- | <1.0 | <10 | <2.0 | <2.0 | <2.0 | 41.37 | 8.64 | 32.73 | --- | 0.57 |
| S-3 | 11/29/2007 | 3,800 f | 1.8 | 0.80 g,h | 0.65 g | 3.34 g | --- | 5.9 | --- | --- | --- | --- | 41.37 | 8.36 | 33.01 | --- | 0.22 |
| S-3 | 02/21/2008 | 2,900 f | 0.60 | <1.0 | <1.0 | 1.2 | --- | 5.0 | --- | --- | --- | --- | 41.37 | 7.35 | 34.02 | --- | 0.44 |
| S-3 | 05/06/2008 | 2,400 | 1.2 | <1.0 | <1.0 | 1.7 | --- | <1.0 | --- | --- | --- | --- | 41.37 | 8.00 | 33.37 | --- | 0.2/1.4 |
| S-3 | 08/27/2008 | 3,100 | 1.5 | <1.0 | <1.0 | 2.3 | --- | <1.0 | <10 | <2.0 | <2.0 | <2.0 | 41.37 | 8.56 | 32.81 | --- | 0.13 |
| S-3 | 11/24/2008 | 2,900 | 1.5 | <1.0 | <1.0 | 2.2 | --- | <1.0 | --- | --- | --- | --- | 41.37 | 8.71 | 32.66 | --- | 0.32 |
| S-3 | 01/28/2009 | 3,900 | 1.4 | <1.0 | <1.0 | 2.2 | --- | <1.0 | --- | --- | --- | --- | 41.37 | 8.22 | 33.15 | --- | 0.48 |
| S-3 | 05/26/2009 | 3,600 | 1.1 | <1.0 | <1.0 | 1.5 | --- | 5.2 | --- | --- | --- | --- | 41.37 | 8.23 | 33.14 | --- | 1.54 |

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|------------|-------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-3 | 11/24/2009 | 2,200 | 0.98 | <1.0 | <1.0 | 1.7 | --- | <1.0 | <10 | <2.0 | <2.0 | <2.0 | 41.37 | 8.71 | 32.66 | --- | 0.42 |
| S-3 | 05/26/2010 | 2,800 | 1.0 | <1.0 | <1.0 | 2.4 | --- | 7.8 | --- | --- | --- | --- | 41.37 | 7.80 | 33.57 | --- | 0.32 |
| S-3 | 11/30/2010 | 3,800 | 0.94 | <1.0 | <1.0 | 1.9 | --- | 4.5 | <10 | <2.0 | <2.0 | <2.0 | 41.37 | 7.65 | 33.72 | --- | 0.87 |
| S-3 | 05/11/2011 | 3,000 | 0.77 | 0.51 | <0.50 | 1.8 | --- | 7.4 | --- | --- | --- | --- | 41.37 | 8.01 | 33.36 | --- | 0.80 |
| S-3 | 11/28/2011 | 1,800 | 0.720 | 0.500 | <0.500 | 2.51 | --- | 4.20 | <10.0 | <0.500 | <0.500 | <0.500 | 41.37 | 7.84 | 33.53 | --- | 0.73 |
| S-3 | 06/05/2012 | 2,700 | <0.50 | <0.50 | <0.50 | 1.2 | --- | 5.9 | --- | --- | --- | --- | 41.37 | 8.30 | 33.07 | --- | 0.65 |
| S-3 | 11/28/2012 | 3,000 | 1.1 | 0.56 | 0.59 | 1.4 | --- | <0.50 | <10 | --- | --- | --- | 41.37 | 7.40 | 33.97 | --- | 1.21 |
| S-4 | 05/13/1991 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.44 | 33.66 | --- | --- |
| S-4 | 08/23/1991 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 8.32 | 32.78 | --- | --- |
| S-4 | 11/07/1991 | 260 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 8.32 | 32.78 | --- | --- |
| S-4 | 01/28/1992 | 110 d | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.40 | 33.70 | --- | --- |
| S-4 | 05/06/1992 | 54 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.21 | 33.89 | --- | --- |
| S-4 | 08/26/1992 | 67 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 8.13 | 32.97 | --- | --- |
| S-4 | 10/28/1992 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 8.73 | 32.37 | --- | --- |
| S-4 | 01/19/1993 | 86 | 1.2 | 0.70 | 2.7 | 15 | --- | --- | --- | --- | --- | --- | 41.10 | 5.86 | 35.24 | --- | --- |
| S-4 | 04/29/1993 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.02 | 34.08 | --- | --- |
| S-4 (D) | 04/29/1993 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.02 | 34.08 | --- | --- |
| S-4 | 07/22/1993 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.76 | 33.34 | --- | --- |
| S-4 | 10/21/1993 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 8.53 | 32.57 | --- | --- |
| S-4 | 01/04/1994 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 7.92 | 33.18 | --- | --- |
| S-4 | 04/13/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.71 | 33.39 | --- | --- |
| S-4 | 07/25/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.82 | 33.28 | --- | --- |
| S-4 | 10/10/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 8.15 | 32.95 | --- | --- |
| S-4 | 01/26/1995 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 41.10 | 5.73 | 35.37 | --- | --- |
| S-4 | 04/21/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 6.26 | 34.84 | --- | --- |
| S-4 | 07/28/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.80 | 33.30 | --- | --- |
| S-4 | 10/31/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 8.45 | 32.65 | --- | --- |
| S-4 | 01/10/1996 | <50 | 1.0 | 2.8 | <0.50 | 2.1 | --- | --- | --- | --- | --- | --- | 41.10 | 8.26 | 32.84 | --- | 2.8 |
| S-4 | 04/25/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.14 | 33.96 | --- | --- |
| S-4 | 07/23/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 41.10 | 8.18 | 32.92 | --- | 3.8 |
| S-4 | 12/10/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.04 | 34.06 | --- | 3.9 |
| S-4 | 02/20/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.7 | --- | --- | --- | --- | --- | 41.10 | 7.07 | 34.03 | --- | 5 |
| S-4 | 05/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 6.63 | 34.47 | --- | 0.8 |
| S-4 | 08/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.69 | 33.41 | --- | 3.7 |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-4 | 11/03/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 8.26 | 32.84 | --- | 1.3 |
| S-4 | 02/20/1998 | 130 | 6.9 | 4.6 | 5.2 | 17 | 2.8 | --- | --- | --- | --- | --- | 41.10 | 5.57 | 35.53 | --- | 1.8 |
| S-4 | 05/18/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.13 | 33.97 | --- | 1.4 |
| S-4 | 08/20/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.77 | 33.33 | --- | 4.0 |
| S-4 | 11/06/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.85 | 33.25 | --- | --- |
| S-4 | 02/16/1999 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 23 | --- | --- | --- | --- | --- | 41.10 | 6.51 | 34.59 | --- | 3.6 |
| S-4 | 05/28/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.00 | 34.10 | --- | 3.2 |
| S-4 | 08/24/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 9.13 | 31.97 | --- | 1.9 |
| S-4 | 11/16/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.79 | 33.31 | --- | 1.7 |
| S-4 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | --- | --- | --- | --- | --- | 41.10 | 7.19 | 33.91 | --- | 1.9 |
| S-4 | 05/09/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.51 | 33.59 | --- | 1.8 |
| S-4 | 08/03/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.83 | 33.27 | --- | 1.9 |
| S-4 | 11/15/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.69 | 33.41 | --- | 1.5 |
| S-4 | 02/14/2001 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 41.10 | 6.20 | 34.90 | --- | 1.6 |
| S-4 | 05/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 6.56 | 34.54 | --- | 1.6 |
| S-4 | 08/15/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.90 | 33.20 | --- | 0.6 |
| S-4 | 12/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 5.62 | 35.48 | --- | 2.7 |
| S-4 | 02/06/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 41.10 | 7.29 | 33.81 | --- | 0.2 |
| S-4 | 06/04/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.10 | 7.45 | 33.65 | --- | 0.6 |
| S-4 | 07/25/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.39 | 33.65 | --- | 0.8 |
| S-4 | 11/27/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.60 | 33.44 | --- | --- |
| S-4 | 01/30/2003 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 41.04 | 8.45 | 32.59 | --- | --- |
| S-4 | 06/03/2003 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.82 | 34.22 | --- | --- |
| S-4 | 08/08/2003 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.36 | 33.68 | --- | --- |
| S-4 | 11/13/2003 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.56 | 33.48 | --- | --- |
| S-4 | 02/04/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 41.04 | 6.47 | 34.57 | --- | --- |
| S-4 | 05/12/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.10 | 33.94 | --- | --- |
| S-4 | 08/23/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.60 | 33.44 | --- | --- |
| S-4 | 12/01/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.23 | 33.81 | --- | --- |
| S-4 | 02/07/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 41.04 | 6.12 | 34.92 | --- | --- |
| S-4 | 05/02/2005 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.50 | 34.54 | --- | --- |
| S-4 | 08/04/2005 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.13 | 33.91 | --- | --- |
| S-4 | 11/16/2005 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.43 | 33.61 | --- | --- |
| S-4 | 03/02/2006 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <0.50 | --- | --- | --- | --- | 41.04 | 6.05 | 34.99 | --- | --- |
| S-4 | 05/31/2006 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.64 | 34.40 | --- | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|------------|-------------------|----------------|-----------------|-----------------|-----------------|----------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-4 | 08/29/2006 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.25 | 33.79 | --- | --- |
| S-4 | 12/06/2006 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.39 | 33.65 | --- | --- |
| S-4 | 01/30/2007 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 41.04 | 7.24 | 33.80 | --- | --- |
| S-4 | 05/15/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.60 | 34.44 | --- | --- |
| S-4 | 08/29/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.42 | 33.62 | --- | --- |
| S-4 | 11/29/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.22 | 33.82 | --- | --- |
| S-4 | 02/21/2008 | <50 f | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 41.04 | 6.20 | 34.84 | --- | --- |
| S-4 | 05/06/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.19 | 33.85 | --- | --- |
| S-4 | 08/27/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.52 | 33.52 | --- | --- |
| S-4 | 11/24/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 7.73 | 33.31 | --- | --- |
| S-4 | 01/28/2009 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 41.04 | 7.21 | 33.83 | --- | --- |
| S-4 | 05/26/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.95 | 34.09 | --- | --- |
| S-4 | 11/24/2009 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 41.04 | 7.43 | 33.61 | --- | --- |
| S-4 | 05/26/2010 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.68 | 34.36 | --- | --- |
| S-4 | 11/30/2010 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 41.04 | 6.87 | 34.17 | --- | --- |
| S-4 | 05/11/2011 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 41.04 | 6.90 | 34.14 | --- | --- |
| S-4 | 11/28/2011 | <50 | <0.500 | <0.500 | <0.500 | <0.500 | --- | 4.76 | --- | --- | --- | --- | 41.04 | 7.00 | 34.04 | --- | --- |
| S-4 | 06/05/2012 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 41.04 | 7.11 | 33.93 | --- | --- |
| S-4 | 11/28/2012 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 41.04 | 6.89 | 34.15 | --- | --- |
| S-4 | 11/29/2012 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 41.04 | --- | --- | --- | --- |
| S-5 | 05/13/1991 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 14.60 | 30.57 | 6.48 | --- |
| S-5 | 08/23/1991 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 15.14 | 29.25 | 5.50 | --- |
| S-5 | 11/07/1991 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 15.10 | 29.17 | 5.35 | --- |
| S-5 | 01/28/1992 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 14.05 | 29.86 | 4.90 | --- |
| S-5 | 05/06/1992 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 14.31 | 30.21 | 5.66 | --- |
| S-5 | 08/26/1992 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 14.26 | 28.77 | 3.80 | --- |
| S-5 | 10/28/1992 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 14.22 | 28.82 | 3.81 | --- |
| S-5 | 01/19/1993 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 12.36 | 30.80 | 3.96 | --- |
| S-5 | 04/29/1993 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 9.64 | 31.07 | 0.90 | --- |
| S-5 | 07/22/1993 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 9.55 | 31.16 | 0.90 | --- |
| S-5 | 10/21/1993 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 11.23 | 29.34 | 0.73 | --- |
| S-5 | 01/04/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 11.69 | 29.82 | 1.90 | --- |
| S-5 | 04/13/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 11.42 | 29.87 | 1.62 | --- |
| S-5 | 07/25/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 12.01 | 29.41 | 1.79 | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-5 | 10/10/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 12.05 | 29.38 | 1.80 | --- |
| S-5 | 01/26/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 8.42 | 32.95 | 1.72 | --- |
| S-5 | 04/21/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 10.03 | 30.90 | 1.17 | --- |
| S-5 | 07/28/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 11.42 | 30.07 | 1.87 | --- |
| S-5 | 10/31/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 13.21 | 27.21 | 0.54 | --- |
| S-5 | 01/10/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 12.05 | 28.04 | 0.13 | --- |
| S-5 | 04/25/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 9.68 | 30.33 | 0.03 | --- |
| S-5 | 07/23/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 9.82 | 30.20 | 0.04 | --- |
| S-5 | 12/10/1996 | 270,000 | 8,800 | 29,000 | 5,200 | 37,000 | <2,500 | --- | --- | --- | --- | --- | 39.99 | 9.10 | 30.91 | 0.03 | --- |
| S-5 (D) | 12/10/1996 | 400,000 | 9,200 | 32,000 | 7,200 | 50,000 | <2,500 | --- | --- | --- | --- | --- | 39.99 | 9.10 | 30.91 | 0.03 | --- |
| S-5 | 02/20/1997 | 88,000 | 2,000 | 11,000 | 1,600 | 19,000 | <500 | --- | --- | --- | --- | --- | 39.99 | 8.93 | 31.06 | --- | 5 |
| S-5 | 05/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 10.07 | 29.94 | 0.02 | --- |
| S-5 | 08/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 10.24 | 29.77 | 0.02 | --- |
| S-5 | 11/03/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 10.91 | 29.10 | 0.02 | --- |
| S-5 | 02/20/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 7.81 | 32.20 | 0.03 | --- |
| S-5 | 05/18/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 9.64 | 30.37 | 0.02 | --- |
| S-5 | 05/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.99 | 10.13 | 29.86 | --- | --- |
| S-6 | 05/13/1991 | 13,000 | 600 | 140 | 210 | 310 | --- | --- | --- | --- | --- | --- | 40.12 | 7.82 | 32.30 | --- | --- |
| S-6 | 08/23/1991 | 9,800 | 480 | 80 | 120 | 150 | --- | --- | --- | --- | --- | --- | 40.12 | 9.58 | 30.54 | --- | --- |
| S-6 | 11/07/1991 | 6,200 | 240 | 23 | 25 | 27 | --- | --- | --- | --- | --- | --- | 40.12 | 10.86 | 29.26 | --- | --- |
| S-6 | 01/28/1992 | 5,600 | 250 | 15 | 41 | 36 | --- | --- | --- | --- | --- | --- | 40.12 | 8.97 | 31.15 | --- | --- |
| S-6 | 05/06/1992 | 7,100 | 330 | 29 | 110 | 210 | --- | --- | --- | --- | --- | --- | 40.12 | 8.27 | 31.85 | --- | --- |
| S-6 | 08/26/1992 | 13,000 | 240 | <50 | 56 | 780 | --- | --- | --- | --- | --- | --- | 40.12 | 9.57 | 31.55 | --- | --- |
| S-6 | 10/28/1992 | 10,000 | 470 | 210 | 67 | 170 | --- | --- | --- | --- | --- | --- | 40.12 | 8.90 | 32.22 | --- | --- |
| S-6 | 01/19/1993 | 4,800 | 100 | 26 | 27 | 45 | --- | --- | --- | --- | --- | --- | 40.12 | 4.84 | 35.28 | --- | --- |
| S-6 | 04/29/1993 | 7,000 | 430 | 20 | <12.5 | 42 | --- | --- | --- | --- | --- | --- | 40.12 | 5.61 | 34.51 | --- | --- |
| S-6 | 07/22/1993 | 5,800 | 260 | 120 | 65 | 150 | --- | --- | --- | --- | --- | --- | 40.12 | 6.56 | 33.56 | --- | --- |
| S-6 | 10/21/1993 | 5,500 | 270 | 69 | 120 | 140 | --- | --- | --- | --- | --- | --- | 40.12 | 8.73 | 31.39 | --- | --- |
| S-6 | 01/04/1994 | 7,100 | 180 | 58 | 63 | 62 | --- | --- | --- | --- | --- | --- | 40.12 | 7.14 | 32.98 | --- | --- |
| S-6 | 04/13/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 7.21 | 32.91 | --- | --- |
| S-6 | 07/25/1994 | 12,000 | 190 | 52 | 30 | 39 | --- | --- | --- | --- | --- | --- | 40.12 | 6.85 | 33.27 | --- | --- |
| S-6 (D) | 07/25/1994 | 7,200 | 170 | 32 | 31 | 34 | --- | --- | --- | --- | --- | --- | 40.12 | 6.85 | 33.27 | --- | --- |
| S-6 | 10/10/1994 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 6.20 | 33.92 | --- | --- |
| S-6 | 01/26/1995 | 5,800 | 120 | 23 | 24 | 44 | --- | --- | --- | --- | --- | --- | 40.12 | 4.89 | 35.23 | --- | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-6 | 04/21/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.61 | 34.51 | --- | --- |
| S-6 | 07/28/1995 | 4,400 | 210 | 23 | 34 | 60 | --- | --- | --- | --- | --- | --- | 40.12 | 5.30 | 34.82 | --- | 3 |
| S-6 (D) | 07/28/1995 | 6,100 | 230 | 20 | 38 | 59 | --- | --- | --- | --- | --- | --- | 40.12 | 5.30 | 34.82 | --- | 3 |
| S-6 | 10/31/1995 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 4.98 | 35.14 | --- | --- |
| S-6 | 01/10/1996 | 6,800 | 170 | 87 | 35 | 105 | --- | --- | --- | --- | --- | --- | 40.12 | 5.67 | 34.45 | --- | 2.2 |
| S-6 (D) | 01/10/1996 | 7,800 | 230 | 120 | 50 | 210 | --- | --- | --- | --- | --- | --- | 40.12 | 5.67 | 34.45 | --- | 2.2 |
| S-6 | 04/25/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.23 | 34.89 | --- | --- |
| S-6 | 07/23/1996 | 2,600 | 170 | <0.50 | <0.50 | 8.5 | <25 | --- | --- | --- | --- | --- | 40.12 | 5.40 | 34.72 | --- | 1.4 |
| S-6 | 12/10/1996 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 6.68 | 33.44 | --- | 0.7 |
| S-6 | 02/20/1997 | 6,300 | 160 | 7.7 | 14 | 31 | 77 | --- | --- | --- | --- | --- | 40.12 | 5.70 | 34.42 | --- | 2 |
| S-6 | 05/22/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.49 | 34.63 | --- | 0.9 |
| S-6 | 08/22/1997 | 6,200 | 160 | 26 | 15 | 27 | 49 | --- | --- | --- | --- | --- | 40.12 | 5.71 | 34.41 | --- | 2.8 |
| S-6 | 11/03/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 6.15 | 33.97 | --- | 1.4 |
| S-6 | 02/20/1998 | 4,100 | 150 | <10 | <10 | 15 | 55 | --- | --- | --- | --- | --- | 40.12 | 5.25 | 34.87 | --- | 0.4 |
| S-6 | 05/18/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.69 | 34.43 | --- | 0.4 |
| S-6 | 08/20/1998 | 7,800 | 240 | 38 | 16 | 39 | 110 | --- | --- | --- | --- | --- | 40.12 | 6.04 | 34.08 | --- | 1.5 |
| S-6 (D) | 08/20/1998 | 8,400 | 270 | 30 | 19 | 31 | 130 | --- | --- | --- | --- | --- | 40.12 | 6.04 | 34.08 | --- | 1.5 |
| S-6 | 11/06/1998 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 6.10 | 34.02 | --- | --- |
| S-6 | 02/16/1999 | 6,000 | 190 | 19 | 14 | 20 | <2.5 | --- | --- | --- | --- | --- | 40.12 | 5.84 | 34.28 | --- | 1.7 |
| S-6 | 05/28/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 9.51 | 30.61 | --- | 1.9 |
| S-6 | 08/24/1999 | 6,870 | 193 | 32.1 | 18.8 | 36.4 | <25.0 | --- | --- | --- | --- | --- | 40.12 | 8.29 | 31.83 | --- | 2.7 |
| S-6 | 11/16/1999 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.93 | 34.19 | --- | 2.6 |
| S-6 | 02/02/2000 | 2,310 | 164 | 122 | 28.6 | 133 | 63.1 | --- | --- | --- | --- | --- | 40.12 | 5.33 | 34.79 | --- | 2.6 |
| S-6 | 05/09/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 6.41 | 33.71 | --- | 2.4 |
| S-6 | 08/03/2000 | 5,600 | 188 | 27.4 | <10.0 | 25.2 | 174 | --- | --- | --- | --- | --- | 40.12 | 5.84 | 34.28 | --- | 2.7 |
| S-6 | 11/15/2000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.58 | 34.54 | --- | 2.3 |
| S-6 | 02/14/2001 | 6,140 | 126 | 13.2 | 8.01 | 18.0 | 205 | --- | --- | --- | --- | --- | 40.12 | 5.50 | 34.62 | --- | 1.3 |
| S-6 | 05/31/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.12 | 5.52 | 34.60 | --- | 1.2 |
| S-6 | 08/15/2001 | 6,000 | 160 | 9.1 | 5.8 | 24 | --- | 51 | --- | --- | --- | --- | 40.12 | 6.04 | 34.08 | --- | 0.4 |
| S-6 | 12/31/2001 | 6,900 | 120 | 12 | 6.6 | 24 | --- | 44 | --- | --- | --- | --- | 40.12 | 5.52 | 34.60 | --- | 0.4 |
| S-6 | 02/06/2002 | 4,300 | 110 | 7.3 | 4.8 | 18 | --- | 39 | --- | --- | --- | --- | 40.12 | 6.34 | 33.78 | --- | 0.5 |
| S-6 | 06/04/2002 | 4,300 | 140 | 8.4 | 4.9 | 22 | --- | 26 | --- | --- | --- | --- | 40.12 | 6.19 | 33.93 | --- | 0.4 |
| S-6 | 07/25/2002 | 3,900 | 140 | 9.0 | 5.5 | 23 | --- | 31 | --- | --- | --- | --- | 39.92 | 6.05 | 33.87 | --- | 0.7 |
| S-6 | 11/27/2002 | 5,200 | 160 | 9.6 | 4.9 | 24 | --- | 26 | --- | --- | --- | --- | 39.92 | 6.26 | 33.66 | --- | --- |
| S-6 | 01/30/2003 | 4,700 | 200 | 9.6 | 5.5 | 25 | --- | 30 | --- | --- | --- | --- | 39.92 | 5.73 | 34.19 | --- | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|------------|-------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-6 | 06/03/2003 | 3,900 | 160 | 10 | <10 | 25 | --- | 30 | --- | --- | --- | --- | 39.92 | 5.52 | 34.40 | --- | --- |
| S-6 | 08/08/2003 | 2,900 | 150 | 8.8 | 3.6 | 18 | --- | 18 | --- | --- | --- | --- | 39.92 | 6.14 | 33.78 | --- | --- |
| S-6 | 11/13/2003 | 8,300 | 220 | 19 | 11 | 35 | --- | 28 | --- | --- | --- | --- | 39.92 | 5.85 | 34.07 | --- | --- |
| S-6 | 02/04/2004 | 7,400 | 310 | 17 | 10 | 31 | --- | 30 | --- | --- | --- | --- | 39.92 | 5.51 | 34.41 | --- | --- |
| S-6 | 05/12/2004 | 4,000 | 230 | 10 | 5.5 | 24 | --- | 21 | --- | --- | --- | --- | 39.92 | 6.10 | 33.82 | --- | --- |
| S-6 | 08/23/2004 | 6,000 | 260 | 16 | 9.0 | 32 | --- | 19 | --- | --- | --- | --- | 39.92 | 6.38 | 33.54 | --- | --- |
| S-6 | 12/01/2004 | 9,600 | 280 | 23 | 11 | 47 | --- | 24 | --- | --- | --- | --- | 39.92 | 6.41 | 33.51 | --- | --- |
| S-6 | 02/07/2005 | 7,100 | 300 | 14 | 8.4 | 35 | --- | 21 | --- | --- | --- | --- | 39.92 | 5.94 | 33.98 | --- | --- |
| S-6 | 05/02/2005 | 6,100 | 250 | 12 | 8.1 | 30 | --- | 16 | --- | --- | --- | --- | 39.92 | 5.90 | 34.02 | --- | --- |
| S-6 | 08/04/2005 | 5,200 | 180 | 13 | 8.0 | 31 | --- | 15 | --- | --- | --- | --- | 39.92 | 6.67 | 33.25 | --- | --- |
| S-6 | 11/16/2005 | 9,950 | 147 | 15.3 | 9.82 | 32.3 | --- | 10.8 | --- | --- | --- | --- | 39.92 | 6.64 | 33.28 | --- | --- |
| S-6 | 03/02/2006 | 2,400 | 72 | 9.2 | 7.0 | 21 | --- | 6.4 | --- | --- | --- | --- | 39.92 | 5.92 | 34.00 | --- | --- |
| S-6 | 05/31/2006 | 9,460 | 182 | 13.6 | 8.80 | 33.5 | --- | 11.4 e | --- | --- | --- | --- | 39.92 | 6.28 | 33.64 | --- | --- |
| S-6 | 08/29/2006 | 8,840 | 108 | 26.6 | 12.4 | 37.7 | --- | 10.1 | --- | --- | --- | --- | 39.92 | 7.19 | 32.73 | --- | --- |
| S-6 | 12/06/2006 | 4,900 | 130 | 17 | 8.2 | 35 | --- | 9.4 | --- | --- | --- | --- | 39.92 | 7.06 | 32.86 | --- | --- |
| S-6 | 01/30/2007 | 4,500 | 100 | 22 | 12 | 38 | --- | 8.1 | --- | --- | --- | --- | 39.92 | 6.94 | 32.98 | --- | --- |
| S-6 | 05/15/2007 | 6,900 f | 120 | 9.2 | 6.7 | 27.6 | --- | 6.4 | --- | --- | --- | --- | 39.92 | 6.30 | 33.62 | --- | --- |
| S-6 | 08/29/2007 | 9,300 f | 110 | 30 | 14 | 52 | --- | 6.4 | <50 | 5.3 g | <10 | <10 | 39.92 | 7.27 | 32.65 | --- | --- |
| S-6 | 11/29/2007 | 4,300 f | 110 | 19 h | 14 | 53 | --- | 8.7 | --- | --- | --- | --- | 39.92 | 6.87 | 33.05 | --- | --- |
| S-6 | 02/21/2008 | 5,600 f | 110 | 8.6 | 5.0 | 28.3 | --- | 6.4 | --- | --- | --- | --- | 39.92 | 5.75 | 34.17 | --- | --- |
| S-6 | 05/06/2008 | 5,900 | 110 | 12 | 7.5 | 30.1 | --- | <1.0 | --- | --- | --- | --- | 39.92 | 6.60 | 33.32 | --- | --- |
| S-6 | 08/27/2008 | 6,200 | 58 | 15 | 7.0 | 27.9 | --- | <2.0 | --- | --- | --- | --- | 39.92 | 7.40 | 32.52 | --- | --- |
| S-6 | 11/24/2008 | 6,100 | 80 | 20 | 12 | 40 | --- | <2.0 | --- | --- | --- | --- | 39.92 | 7.30 | 32.62 | --- | --- |
| S-6 | 11/24/2008 | 6,100 | 80 | 20 | 12 | 40 | --- | <2.0 | --- | --- | --- | --- | 39.92 | 7.30 | 32.62 | --- | --- |
| S-6 | 01/28/2009 | 5,300 | 80 | 10 | 6.3 | 26 | --- | <1.0 | --- | --- | --- | --- | 39.92 | 6.61 | 33.31 | --- | --- |
| S-6 | 05/26/2009 | 6,600 | 130 | 6.6 | 4.4 | 21 | --- | 4.9 | --- | --- | --- | --- | 39.92 | 6.70 | 33.22 | --- | --- |
| S-6 | 11/24/2009 | 6,200 | 69 | 13 | 8.4 | 32 | --- | 4.5 | --- | --- | --- | --- | 39.92 | 7.03 | 32.89 | --- | --- |
| S-6 | 05/26/2010 | 5,100 | 130 | 8.3 | 4.8 | 27 | --- | 6.1 | --- | --- | --- | --- | 39.92 | 6.24 | 33.68 | --- | --- |
| S-6 | 11/30/2010 | 5,500 | 74 | 10 | 6.2 | 32 | --- | 5.6 | --- | --- | --- | --- | 39.92 | 6.12 | 33.80 | --- | --- |
| S-6 | 05/11/2011 | 8,900 | 73 | 7.8 | 6.8 | 31 | --- | 4.2 | --- | --- | --- | --- | 39.92 | 6.30 | 33.62 | --- | --- |
| S-6 | 11/28/2011 | 3,300 | 74.1 | 7.49 | 5.33 | 30.0 | --- | 4.17 | --- | --- | --- | --- | 39.92 | 6.45 | 33.47 | --- | --- |
| S-6 | 06/05/2012 | 5,000 | 78 | 11 | 8.6 | 38 | --- | 4.5 | --- | --- | --- | --- | 39.92 | 6.71 | 33.21 | --- | --- |
| S-6 | 11/28/2012 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.92 | 5.92 | 34.00 | --- | --- |
| S-6 | 11/29/2012 | 5,800 | 64 | 7.1 | 5.1 | 26 | --- | <5.0 | --- | --- | --- | --- | 39.92 | --- | --- | --- | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|-------------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-7 | 05/13/1991 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.56 | 29.54 | --- | --- |
| S-7 | 08/23/1991 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 11.16 | 28.94 | --- | --- |
| S-7 | 11/07/1991 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 11.48 | 28.62 | --- | --- |
| S-7 | 01/28/1992 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.72 | 29.38 | --- | --- |
| S-7 | 05/06/1992 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.34 | 29.76 | --- | --- |
| S-7 | 08/26/1992 | 160 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 11.13 | 28.97 | --- | --- |
| S-7 | 10/28/1992 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 11.52 | 28.58 | --- | --- |
| S-7 | 01/19/1993 | 50 | 1.1 | 0.60 | 1.9 | 9.2 | --- | --- | --- | --- | --- | --- | 40.10 | 8.68 | 31.42 | --- | --- |
| S-7 | 04/29/1993 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 9.90 | 30.20 | --- | --- |
| S-7 | 07/22/1993 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.10 | --- | --- | --- | --- |
| S-7 | 10/21/1993 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 11.10 | 29.00 | --- | --- |
| S-7 | 01/04/1994 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.40 | 29.70 | --- | --- |
| S-7 | 04/13/1994 | <50 | 1.4 | 0.61 | <0.50 | 0.64 | --- | --- | --- | --- | --- | --- | 40.10 | 10.20 | 29.90 | --- | --- |
| S-7 (D) | 04/13/1994 | <50 | 1.4 | 0.61 | <0.50 | 0.66 | --- | --- | --- | --- | --- | --- | 40.10 | 10.20 | 29.90 | --- | --- |
| S-7 | 07/25/1994 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.48 | 29.62 | --- | --- |
| S-7 a | 10/10/1994 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.64 | 29.46 | --- | --- |
| S-7 | 01/26/1995 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 7.75 | 32.35 | --- | 4.6 |
| S-7 | 04/21/1995 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 8.51 | 31.59 | --- | --- |
| S-7 | 07/28/1995 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.20 | 29.90 | --- | 3 |
| S-7 | 10/31/1995 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | 40.10 | 10.86 | 29.24 | --- | 4.9 |
| S-7 | 01/10/1996 | <50 | <0.50 | 2.0 | <0.50 | 2.6 | --- | --- | --- | --- | --- | --- | 40.10 | 10.33 | 29.77 | --- | 7.6 |
| S-7 | 04/25/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 9.13 | 30.97 | --- | 6.2 |
| S-7 | 07/23/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 14 | --- | --- | --- | --- | --- | 40.10 | 10.18 | 29.92 | --- | 3.7 |
| S-7 | 12/10/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 9.04 | 31.06 | --- | 4.6 |
| S-7 | 02/20/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 9.60 | 30.50 | --- | 5 |
| S-7 | 05/22/1997 | <50 | 1.3 | <0.50 | <0.50 | <0.50 | 5.5 | --- | --- | --- | --- | --- | 40.10 | 10.63 | 29.47 | --- | 0.8 |
| S-7 | 08/22/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 10.95 | 29.15 | --- | 2.6 |
| S-7 | 11/03/1997 | <50 | 2.2 | 1.7 | 0.58 | 3.4 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 11.29 | 28.81 | --- | 2.6 |
| S-7 | 02/20/1998 | 350 | 23 | 13 | 14 | 42 | 3.8 | --- | --- | --- | --- | --- | 40.10 | 7.73 | 32.37 | --- | 4.6 |
| S-7 | 05/18/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 10.29 | 29.81 | --- | 4.4 |
| S-7 | 08/20/1998 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.10 | 11.00 | 29.10 | --- | 5.4 |
| S-7 | 11/06/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | --- | --- | --- | --- | --- | 40.10 | 11.19 | 28.91 | --- | 5.2 |
| S-7 | 02/16/1999 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.10 | --- | --- | --- | --- |
| S-7 | 05/28/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | --- | --- | --- | --- | --- | 40.10 | 9.76 | 30.34 | --- | 2.7 |
| S-7 | 08/24/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 40.10 | 10.61 | 29.49 | --- | 2.1 |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|-------------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-7 | 11/16/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 3.68 | --- | --- | --- | --- | --- | 40.10 | 10.90 | 29.20 | --- | 2.3 |
| S-7 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | --- | --- | --- | --- | --- | 40.10 | 10.30 | 29.80 | --- | 2.1 |
| S-7 | 05/09/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 40.10 | 10.25 | 29.85 | --- | 2.7 |
| S-7 | 08/03/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 40.10 | 10.65 | 29.45 | --- | 2.5 |
| S-7 | 11/15/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | --- | --- | --- | --- | --- | 40.10 | 10.53 | 29.57 | --- | 4.6 |
| S-7 | 02/14/2001 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.10 | --- | --- | --- | --- |
| S-7 | 05/31/2001 | <50 | <0.50 | <0.50 | <0.50 | 0.77 | --- | 4.6 | --- | --- | --- | --- | 40.10 | 9.46 | 30.64 | --- | 2.1 |
| S-7 | 08/15/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 40.10 | 10.93 | 29.17 | --- | 2.0 |
| S-7 | 12/31/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | 6.0 | --- | --- | --- | --- | 40.10 | 9.14 | 30.96 | --- | 3.0 |
| S-7 | 02/06/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 40.10 | 8.61 | 31.49 | --- | 3.2 |
| S-7 | 06/04/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 40.10 | 10.41 | 29.69 | --- | 0.9 |
| S-7 | 07/25/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 39.91 | 10.37 | 29.54 | --- | 1.1 |
| S-7 | 11/27/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 39.91 | 10.52 | 29.39 | --- | --- |
| S-7 | 01/30/2003 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <5.0 | --- | --- | --- | --- | 39.91 | 9.38 | 30.53 | --- | --- |
| S-7 | 06/03/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | 0.72 | --- | --- | --- | --- | 39.91 | 10.18 | 29.73 | --- | --- |
| S-7 | 08/08/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.91 | 10.43 | 29.48 | --- | --- |
| S-7 | 11/13/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.91 | 10.39 | 29.52 | --- | --- |
| S-7 | 02/04/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.91 | 9.17 | 30.74 | --- | --- |
| S-7 | 05/12/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.91 | 10.20 | 29.71 | --- | --- |
| S-7 | 08/23/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 c | 10.53 | 29.19 | --- | --- |
| S-7 | 12/01/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 10.36 | 29.36 | --- | --- |
| S-7 | 02/07/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 8.78 | 30.94 | --- | --- |
| S-7 | 05/02/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 9.46 | 30.26 | --- | --- |
| S-7 | 08/04/2005 | Well paved over | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S-8 | 05/10/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.85 | 29.67 | --- | --- |
| S-8 | 05/12/2004 | <1,300 | <13 | <13 | <13 | <25 | --- | 2,500 | --- | --- | --- | --- | 40.52 | 10.95 | 29.57 | --- | --- |
| S-8 | 08/23/2004 | 1,300 | 15 | <13 | <13 | <25 | --- | 2,500 | 570 | <50 | <50 | <50 | 40.52 | 11.40 | 29.12 | --- | --- |
| S-8 | 12/01/2004 | 1,400 d | <13 | <13 | <13 | <25 | --- | 2,700 | --- | --- | --- | --- | 40.52 | 11.10 | 29.42 | --- | --- |
| S-8 | 02/07/2005 | 6,400 | 240 | 27 | 290 | 100 | --- | 370 | --- | --- | --- | --- | 40.52 | 10.22 | 30.30 | --- | --- |
| S-8 | 05/02/2005 | 6,300 | 160 | 25 | 200 | 74 | --- | 190 | --- | --- | --- | --- | 40.52 | 10.05 | 30.47 | --- | --- |
| S-8 | 08/04/2005 | 2,500 | 130 | 7.5 | <6.0 | 14 | --- | 290 | 92 | <8.0 | <8.0 | <8.0 | 40.52 | 10.88 | 29.64 | --- | --- |
| S-8 | 11/16/2005 | 27,700 | 43.2 | 4.36 | 637 | 1,200 | --- | 638 | --- | --- | --- | --- | 40.52 | 11.28 | 29.24 | --- | --- |
| S-8 | 03/02/2006 | 9,900 | 160 | 13 | 490 | 530 | --- | 110 | --- | --- | --- | --- | 40.52 | 8.85 | 31.67 | --- | --- |
| S-8 | 05/31/2006 | 14,300 | 270 | 53.1 | 283 | 246 | --- | 102 e | --- | --- | --- | --- | 40.52 | 10.34 | 30.18 | --- | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-8 | 08/29/2006 | 14,700 | 107 | 9.42 | 196 | 195 | --- | 278 | 36.1 | <0.500 | <0.500 | <0.500 | 40.52 | 11.17 | 29.35 | --- | --- |
| S-8 | 12/06/2006 | 7,800 | 150 | 8.6 | 120 | 110 | --- | 200 | --- | --- | --- | --- | 40.52 | 11.21 | 29.31 | --- | --- |
| S-8 | 01/30/2007 | 7,500 | 220 | 18 | 180 | 96 | --- | 170 | --- | --- | --- | --- | 40.52 | 10.72 | 29.80 | --- | --- |
| S-8 | 05/15/2007 | 9,600 f | --- | 24 | 160 | 112 | --- | 130 | --- | --- | --- | --- | 40.52 | 10.50 | 30.02 | --- | --- |
| S-8 | 08/29/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.44 | 29.11 | 0.04 | --- |
| S-8 | 08/30/2007 | 6,100 f | 35 | 2.7 | 140 | 234 | --- | 170 | 820 | <4.0 | <4.0 | <4.0 | 40.52 | 11.37 | 29.25 | 0.13 | --- |
| S-8 | 09/25/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.56 | 29.22 | 0.32 | --- |
| S-8 | 10/29/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.23 | 29.50 | 0.26 | --- |
| S-8 | 11/29/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.08 | 29.60 | 0.20 | --- |
| S-8 | 12/11/2007 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.61 | 30.03 | 0.15 | --- |
| S-8 | 01/24/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 9.61 | 30.97 | 0.08 | --- |
| S-8 | 02/21/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 9.11 | 31.43 | 0.03 | --- |
| S-8 | 03/20/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.22 | 30.40 | 0.12 | --- |
| S-8 | 04/30/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.91 | 29.67 | 0.07 | --- |
| S-8 | 05/06/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.50 | 30.05 | 0.04 | --- |
| S-8 | 06/04/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.34 | 29.24 | 0.07 | --- |
| S-8 | 07/29/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.83 | 28.71 | 0.03 | --- |
| S-8 | 08/27/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.40 | 29.14 | 0.03 | --- |
| S-8 | 09/30/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 12.08 | 28.46 | 0.03 | --- |
| S-8 | 10/31/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 11.35 | 29.37 | 0.25 | --- |
| S-8 | 11/24/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.79 | 29.89 | 0.20 | --- |
| S-8 | 12/30/2008 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.90 | 31.75 | 0.16 | --- |
| S-8 | 01/14/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 9.87 | 30.83 | 0.22 | --- |
| S-8 | 01/28/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 9.52 | 31.10 | 0.13 | --- |
| S-8 | 03/31/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.56 | 32.11 | 0.19 | --- |
| S-8 | 04/21/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.90 | 31.75 | 0.16 | --- |
| S-8 | 05/26/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 9.04 | 31.57 | 0.11 | --- |
| S-8 | 06/30/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.28 | 30.32 | 0.10 | --- |
| S-8 | 07/23/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.37 | 30.25 | 0.13 | --- |
| S-8 | 08/31/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.78 | 29.80 | 0.08 | --- |
| S-8 | 11/24/2009 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 9.73 | 30.84 | 0.06 | --- |
| S-8 | 05/26/2010 | 59,000 | 150 | 32 | 2,100 | 4,400 | --- | 78 | --- | --- | --- | --- | 40.52 | 7.59 | 32.93 | 0.00 | --- |
| S-8 | 11/30/2010 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.34 | 32.23 | 0.06 | --- |
| S-8 | 02/10/2011 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.28 | 32.30 | 0.08 | --- |
| S-8 | 05/11/2011 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.39 | 32.15 | 0.02 | --- |

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | GW Elevation (ft MSL) | SPH Thickness (ft) | DO Reading (mg/L) |
|------------|-------------------|-------------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|-----------------|-------------------------------|-----------------------------|--------------------------|-------------------------|
| S-8 | 08/10/2011 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.72 | 31.81 | 0.01 | --- |
| S-8 | 11/28/2011 | 25,000 | 169 | 11.8 | 874 | 1,170 | --- | 101 | <10.0 | <0.500 | <0.500 | <0.500 | 40.52 | 8.97 | 31.55 | --- | --- |
| S-8 | 02/28/2012 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 8.64 | 31.88 | --- | --- |
| S-8 | 06/05/2012 | 32,000 | 160 | 15 | 600 | 660 | --- | 75 | --- | --- | --- | --- | 40.52 | 9.63 | 30.89 | --- | --- |
| S-8 | 08/29/2012 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 10.39 | 30.13 | --- | --- |
| S-8 | 11/28/2012 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40.52 | 6.74 | 33.78 | --- | --- |
| S-8 | 11/29/2012 | 14,000 | 120 | 5.9 | 280 | 290 | --- | 85 | <50 | --- | --- | --- | 40.52 | --- | --- | --- | --- |
| S-9 | 05/10/2004 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | 10.34 | 29.38 | --- | --- |
| S-9 | 05/12/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 10.42 | 29.30 | --- | --- |
| S-9 | 08/23/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 11.32 | 28.40 | --- | --- |
| S-9 | 12/01/2004 | Unable to locate | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |
| S-9 | 02/07/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 8.74 | 30.98 | --- | --- |
| S-9 | 05/02/2005 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |
| S-9 | 08/04/2005 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 8.79 | 30.93 | --- | --- |
| S-9 | 11/16/2005 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | --- | <0.500 | --- | --- | --- | --- | 39.72 | 10.30 | 29.42 | --- | --- |
| S-9 | 03/02/2006 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 5.86 | 33.86 | --- | --- |
| S-9 | 05/31/2006 | <50.0 | <0.500 | <0.500 | <0.500 | 0.540 | --- | <0.500 | --- | --- | --- | --- | 39.72 | 9.85 | 29.87 | --- | --- |
| S-9 | 08/29/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | --- | <0.500 | --- | --- | --- | --- | 39.72 | 10.75 | 28.97 | --- | --- |
| S-9 | 12/06/2006 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 10.60 | 29.12 | --- | --- |
| S-9 | 01/30/2007 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 10.45 | 29.27 | --- | --- |
| S-9 | 05/15/2007 | 61 d,f | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 10.15 | 29.57 | --- | --- |
| S-9 | 08/29/2007 | 71 f | <0.50 | <1.0 | 1.3 | 2.1 | --- | <1.0 | <10 | <2.0 | <2.0 | <2.0 | 39.72 | 10.96 | 28.76 | --- | --- |
| S-9 | 11/29/2007 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |
| S-9 | 02/21/2008 | <50 f | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 7.36 | 32.36 | --- | --- |
| S-9 | 05/06/2008 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 10.49 | 29.23 | --- | --- |
| S-9 | 08/27/2008 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 11.19 | 28.53 | --- | --- |
| S-9 | 11/24/2008 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 10.91 | 28.81 | --- | --- |
| S-9 | 01/28/2009 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |
| S-9 | 05/26/2009 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 10.20 | 29.52 | --- | --- |
| S-9 | 11/24/2009 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 10.52 | 29.20 | --- | --- |
| S-9 | 05/26/2010 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 7.09 | 32.63 | --- | --- |
| S-9 | 11/30/2010 | <50 | <0.50 | <1.0 | <1.0 | <1.0 | --- | <1.0 | --- | --- | --- | --- | 39.72 | 7.42 | 32.30 | --- | --- |
| S-9 | 05/11/2011 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |
| S-9 | 11/28/2011 | Well inaccessible | | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA**

| <i>Well ID</i> | <i>Date</i> | <i>TPHg</i> ($\mu\text{g/L}$) | <i>B</i> ($\mu\text{g/L}$) | <i>T</i> ($\mu\text{g/L}$) | <i>E</i> ($\mu\text{g/L}$) | <i>X</i> ($\mu\text{g/L}$) | <i>MTBE</i> 8020 ($\mu\text{g/L}$) | <i>MTBE</i> 8260 ($\mu\text{g/L}$) | <i>TBA</i> ($\mu\text{g/L}$) | <i>DIPE</i> ($\mu\text{g/L}$) | <i>ETBE</i> ($\mu\text{g/L}$) | <i>TAME</i> ($\mu\text{g/L}$) | <i>TOC</i> (ft MSL) | <i>Depth to</i> <i>Water</i> (ft TOC) | <i>GW</i> <i>Elevation</i> (ft MSL) | <i>SPH</i> <i>Thickness</i> (ft) | <i>DO</i> <i>Reading</i> (mg/L) |
|----------------|-------------------|------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--|--|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------|---|---|--|---------------------------------------|
| S-9 | 12/02/2011 | <50 | <0.500 | <0.500 | <0.500 | <0.500 | --- | <0.500 | --- | --- | --- | --- | 39.72 | 8.80 | 30.92 | --- | --- |
| S-9 | 06/05/2012 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | 10.17 | 29.55 | --- | --- |
| S-9 | 11/28/2012 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39.72 | 5.58 | 34.14 | --- | --- |
| S-9 | 11/29/2012 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | --- | <0.50 | --- | --- | --- | --- | 39.72 | --- | --- | --- | --- |

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed by method noted

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B

TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B

TOC = Top of casing elevation, in feet relative to mean sea level

SPH = Separate-phase hydrocarbon

GW = Groundwater

DO = Dissolved oxygen

$\mu\text{g/L}$ = Micrograms per liter

ft = Feet

MSL = Mean sea level

mg/L = Milligrams per liter

<x = Not detected at reporting limit x

--- = Not analyzed or not available

(D) = Duplicate sample

a = Sample analyzed for total dissolved solids (450 mg/L).

b = Concentration is an estimated value above the linear quantitation range.

c = TOC lowered 0.19 feet due to wellhead maintenance.

d = Hydrocarbon reported does not match the laboratory standard.

e = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.

f = Analyzed by EPA Method 8015B (M).

g = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

h = Analyte was present in the associated method blank.

When SPHs are present, GW elevation is adjusted using the relation:

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA**

| <i>Well ID</i> | <i>Date</i> | <i>TPHg</i> (<i>µg/L</i>) | <i>B</i> (<i>µg/L</i>) | <i>T</i> (<i>µg/L</i>) | <i>E</i> (<i>µg/L</i>) | <i>X</i> (<i>µg/L</i>) | <i>MTBE</i> <i>8020</i> (<i>µg/L</i>) | <i>MTBE</i> <i>8260</i> (<i>µg/L</i>) | <i>TBA</i> (<i>µg/L</i>) | <i>DIPE</i> (<i>µg/L</i>) | <i>ETBE</i> (<i>µg/L</i>) | <i>TAME</i> (<i>µg/L</i>) | <i>TOC</i> (<i>ft MSL</i>) | <i>Depth to</i> <i>Water</i> (<i>ft TOC</i>) | <i>GW</i> <i>Elevation</i> (<i>ft MSL</i>) | <i>SPH</i> <i>Thickness</i> (<i>ft</i>) | <i>DO</i> <i>Reading</i> (<i>mg/L</i>) |
|----------------|-------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---|---|-------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--|--|---|--|
|----------------|-------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---|---|-------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--|--|---|--|

Corrected GW elevation = TOC - depth to water + (0.8 x hydrocarbon thickness).

Since April 2002 well S-5 has been monitored by Arco.

Prior to July 25, 2002 depth to water referenced to top of well box.

Site wells surveyed January 9, 2002 by Virgil Chavez Land Surveying

Wells S-8 and S-9 surveyed May 11, 2004 by Virgil Chavez Land Surveying

APPENDIX E

LABORATORY REPORT
AND CHAIN-OF-CUSTODY DOCUMENTATION

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-32075-1
Client Project/Site: ARCO 2035, Albany

For:
Broadbent & Associates, Inc.
1324 Mangrove Ave
Suite 212
Chico, California 95926

Attn: Tom Venus



*Authorized for release by:
12/20/2012 3:19:21 PM*

Pat Abe
Project Manager I
pat.abe@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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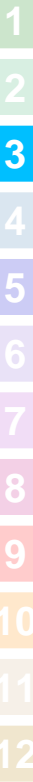
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Sample Summary

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 440-32075-1 | MW-4 | Water | 12/06/12 14:02 | 12/07/12 10:40 |
| 440-32075-2 | MW-5 | Water | 12/06/12 09:45 | 12/07/12 10:40 |
| 440-32075-3 | MW-6 | Water | 12/06/12 15:30 | 12/07/12 10:40 |
| 440-32075-4 | MW-7 | Water | 12/06/12 12:35 | 12/07/12 10:40 |
| 440-32075-5 | MW-8 | Water | 12/06/12 15:00 | 12/07/12 10:40 |
| 440-32075-6 | MW-9 | Water | 12/06/12 10:46 | 12/07/12 10:40 |
| 440-32075-7 | RW-1 | Water | 12/06/12 11:20 | 12/07/12 10:40 |
| 440-32075-8 | S-5 | Water | 12/06/12 11:50 | 12/07/12 10:40 |



Case Narrative

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Job ID: 440-32075-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-32075-1

Comments

No additional comments.

Receipt

The samples were received on 12/7/2012 10:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

Except:

One or more containers for the following sample(s) was received broken or leaking: MW-7 (440-32075-4), RW-1 (440-32075-7), MW-5 (440-32075-2).

1 voa vial for each sample was received broken.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

Method(s) 8015B: Surrogate recovery was outside control limits for the following sample in batch 72461: (LCS 440-72461/2). The BFB surrogate coeluted with the TPH standard. Data not impacted.

Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: MW-7 (440-32075-4), S-5 (440-32075-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: The Gasoline Range Organics (GRO) concentration reported for the following sample(s) is due to the presence of discrete peaks: RW-1 (440-32075-7).

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-4

Lab Sample ID: 440-32075-1

Date Collected: 12/06/12 14:02

Matrix: Water

Date Received: 12/07/12 10:40

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| Benzene | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 11:47 | 1 |
| Ethylbenzene | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| m,p-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 11:47 | 1 |
| Methyl-t-Butyl Ether (MTBE) | 2.5 | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 11:47 | 1 |
| Toluene | ND | | 0.50 | ug/L | | | 12/14/12 11:47 | 1 |
| Xylenes, Total | ND | | 1.0 | ug/L | | | 12/14/12 11:47 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 80 - 120 | | 12/14/12 11:47 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 80 - 120 | | 12/14/12 11:47 | 1 |
| Toluene-d8 (Surr) | 113 | | 80 - 120 | | 12/14/12 11:47 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | ND | | 50 | ug/L | | | 12/11/12 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 65 - 140 | | 12/11/12 16:48 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-5
Date Collected: 12/06/12 09:45
Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-2
Matrix: Water

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| Benzene | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 15:27 | 1 |
| Ethylbenzene | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| m,p-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 15:27 | 1 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 15:27 | 1 |
| Toluene | ND | | 0.50 | ug/L | | | 12/14/12 15:27 | 1 |
| Xylenes, Total | ND | | 1.0 | ug/L | | | 12/14/12 15:27 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107 | | 80 - 120 | | 12/14/12 15:27 | 1 |
| Dibromofluoromethane (Surr) | 101 | | 80 - 120 | | 12/14/12 15:27 | 1 |
| Toluene-d8 (Surr) | 113 | | 80 - 120 | | 12/14/12 15:27 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | ND | | 50 | ug/L | | | 12/11/12 17:15 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110 | | 65 - 140 | | 12/11/12 17:15 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-6
Date Collected: 12/06/12 15:30
Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-3
Matrix: Water

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| Benzene | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 15:54 | 1 |
| Ethylbenzene | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| m,p-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 15:54 | 1 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 15:54 | 1 |
| Toluene | ND | | 0.50 | ug/L | | | 12/14/12 15:54 | 1 |
| Xylenes, Total | ND | | 1.0 | ug/L | | | 12/14/12 15:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 | | 12/14/12 15:54 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 80 - 120 | | 12/14/12 15:54 | 1 |
| Toluene-d8 (Surr) | 114 | | 80 - 120 | | 12/14/12 15:54 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | ND | | 50 | ug/L | | | 12/11/12 17:43 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 65 - 140 | | 12/11/12 17:43 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-7

Lab Sample ID: 440-32075-4

Date Collected: 12/06/12 12:35

Matrix: Water

Date Received: 12/07/12 10:40

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| Benzene | 1.4 | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 16:22 | 1 |
| Ethylbenzene | 1.4 | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| m,p-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 16:22 | 1 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 16:22 | 1 |
| Toluene | 0.57 | | 0.50 | ug/L | | | 12/14/12 16:22 | 1 |
| Xylenes, Total | ND | | 1.0 | ug/L | | | 12/14/12 16:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 80 - 120 | | 12/14/12 16:22 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | | 12/14/12 16:22 | 1 |
| Toluene-d8 (Surr) | 115 | | 80 - 120 | | 12/14/12 16:22 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | 880 | | 50 | ug/L | | | 12/11/12 18:11 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 377 | LH | 65 - 140 | | 12/11/12 18:11 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-8

Lab Sample ID: 440-32075-5

Date Collected: 12/06/12 15:00

Matrix: Water

Date Received: 12/07/12 10:40

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| Benzene | 18 | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 16:49 | 1 |
| Ethylbenzene | 6.8 | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| m,p-Xylene | 1.2 | | 1.0 | ug/L | | | 12/14/12 16:49 | 1 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 16:49 | 1 |
| Toluene | ND | | 0.50 | ug/L | | | 12/14/12 16:49 | 1 |
| Xylenes, Total | 1.2 | | 1.0 | ug/L | | | 12/14/12 16:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105 | | 80 - 120 | | 12/14/12 16:49 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 80 - 120 | | 12/14/12 16:49 | 1 |
| Toluene-d8 (Surr) | 115 | | 80 - 120 | | 12/14/12 16:49 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | 80 | | 50 | ug/L | | | 12/11/12 18:39 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 131 | | 65 - 140 | | 12/11/12 18:39 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-9

Lab Sample ID: 440-32075-6

Date Collected: 12/06/12 10:46

Matrix: Water

Date Received: 12/07/12 10:40

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|------------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| Benzene | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 17:17 | 1 |
| Ethylbenzene | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| m,p-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 17:17 | 1 |
| Methyl-t-Butyl Ether (MTBE) | 6.4 | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 17:17 | 1 |
| Toluene | ND | | 0.50 | ug/L | | | 12/14/12 17:17 | 1 |
| Xylenes, Total | ND | | 1.0 | ug/L | | | 12/14/12 17:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 | | 12/14/12 17:17 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 80 - 120 | | 12/14/12 17:17 | 1 |
| Toluene-d8 (Surr) | 113 | | 80 - 120 | | 12/14/12 17:17 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | ND | | 50 | ug/L | | | 12/11/12 19:07 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110 | | 65 - 140 | | 12/11/12 19:07 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: RW-1

Lab Sample ID: 440-32075-7

Date Collected: 12/06/12 11:20

Matrix: Water

Date Received: 12/07/12 10:40

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| 1,2-Dichloroethane | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Benzene | 200 | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Ethanol | ND | | 300 | ug/L | | | 12/14/12 17:44 | 2 |
| Ethylbenzene | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Ethyl-t-butyl ether (ETBE) | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Isopropyl Ether (DIPE) | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| m,p-Xylene | ND | | 2.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| o-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Tert-amyl-methyl ether (TAME) | ND | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| tert-Butyl alcohol (TBA) | ND | | 20 | ug/L | | | 12/14/12 17:44 | 2 |
| Toluene | 1.5 | | 1.0 | ug/L | | | 12/14/12 17:44 | 2 |
| Xylenes, Total | ND | | 2.0 | ug/L | | | 12/14/12 17:44 | 2 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 80 - 120 | | 12/14/12 17:44 | 2 |
| Dibromofluoromethane (Surr) | 101 | | 80 - 120 | | 12/14/12 17:44 | 2 |
| Toluene-d8 (Surr) | 114 | | 80 - 120 | | 12/14/12 17:44 | 2 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | 380 | | 50 | ug/L | | | 12/11/12 19:34 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 70 | | 65 - 140 | | 12/11/12 19:34 | 1 |

Client Sample Results

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: S-5

Lab Sample ID: 440-32075-8

Date Collected: 12/06/12 11:50

Matrix: Water

Date Received: 12/07/12 10:40

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| Benzene | 24 | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 18:11 | 1 |
| Ethylbenzene | 3.3 | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| m,p-Xylene | 1.4 | | 1.0 | ug/L | | | 12/14/12 18:11 | 1 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| o-Xylene | 0.63 | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 18:11 | 1 |
| Toluene | 1.7 | | 0.50 | ug/L | | | 12/14/12 18:11 | 1 |
| Xylenes, Total | 2.0 | | 1.0 | ug/L | | | 12/14/12 18:11 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112 | | 80 - 120 | | 12/14/12 18:11 | 1 |
| Dibromofluoromethane (Surr) | 100 | | 80 - 120 | | 12/14/12 18:11 | 1 |
| Toluene-d8 (Surr) | 115 | | 80 - 120 | | 12/14/12 18:11 | 1 |

Method: 8015B/5030B - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-------------|-----------|----|------|---|----------|----------------|---------|
| GRO (C6-C12) | 1700 | | 50 | ug/L | | | 12/11/12 20:58 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 599 | LH | 65 - 140 | | 12/11/12 20:58 | 1 |

Lab Chronicle

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-4

Date Collected: 12/06/12 14:02

Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 11:47 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 16:48 | PH | TAL IRV |

Client Sample ID: MW-5

Date Collected: 12/06/12 09:45

Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 15:27 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 17:15 | PH | TAL IRV |

Client Sample ID: MW-6

Date Collected: 12/06/12 15:30

Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 15:54 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 17:43 | PH | TAL IRV |

Client Sample ID: MW-7

Date Collected: 12/06/12 12:35

Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 16:22 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 18:11 | PH | TAL IRV |

Client Sample ID: MW-8

Date Collected: 12/06/12 15:00

Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 16:49 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 18:39 | PH | TAL IRV |

Client Sample ID: MW-9

Date Collected: 12/06/12 10:46

Date Received: 12/07/12 10:40

Lab Sample ID: 440-32075-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 17:17 | AL | TAL IRV |

TestAmerica Irvine

Lab Chronicle

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Client Sample ID: MW-9

Lab Sample ID: 440-32075-6

Date Collected: 12/06/12 10:46

Matrix: Water

Date Received: 12/07/12 10:40

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 19:07 | PH | TAL IRV |

Client Sample ID: RW-1

Lab Sample ID: 440-32075-7

Date Collected: 12/06/12 11:20

Matrix: Water

Date Received: 12/07/12 10:40

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 2 | 10 mL | 10 mL | 73390 | 12/14/12 17:44 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 19:34 | PH | TAL IRV |

Client Sample ID: S-5

Lab Sample ID: 440-32075-8

Date Collected: 12/06/12 11:50

Matrix: Water

Date Received: 12/07/12 10:40

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/5030B | | 1 | 10 mL | 10 mL | 73390 | 12/14/12 18:11 | AL | TAL IRV |
| Total/NA | Analysis | 8015B/5030B | | 1 | 10 mL | 10 mL | 72461 | 12/11/12 20:58 | PH | TAL IRV |

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-73390/4

Matrix: Water

Analysis Batch: 73390

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|--------------|------|------|---|----------|----------------|---------|
| 1,2-Dibromoethane (EDB) | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| Benzene | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| Ethanol | ND | | 150 | ug/L | | | 12/14/12 09:02 | 1 |
| Ethylbenzene | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| Ethyl-t-butyl ether (ETBE) | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| Isopropyl Ether (DIPE) | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| m,p-Xylene | ND | | 1.0 | ug/L | | | 12/14/12 09:02 | 1 |
| Methyl-t-Butyl Ether (MTBE) | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| o-Xylene | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| Tert-amyl-methyl ether (TAME) | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| tert-Butyl alcohol (TBA) | ND | | 10 | ug/L | | | 12/14/12 09:02 | 1 |
| Toluene | ND | | 0.50 | ug/L | | | 12/14/12 09:02 | 1 |
| Xylenes, Total | ND | | 1.0 | ug/L | | | 12/14/12 09:02 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 | | 12/14/12 09:02 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | | 12/14/12 09:02 | 1 |
| Toluene-d8 (Surr) | 114 | | 80 - 120 | | 12/14/12 09:02 | 1 |

Lab Sample ID: LCS 440-73390/5

Matrix: Water

Analysis Batch: 73390

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dibromoethane (EDB) | 25.0 | 28.9 | | ug/L | | 116 | 75 - 125 |
| 1,2-Dichloroethane | 25.0 | 25.4 | | ug/L | | 101 | 60 - 140 |
| Benzene | 25.0 | 24.9 | | ug/L | | 99 | 70 - 120 |
| Ethanol | 250 | 267 | | ug/L | | 107 | 40 - 155 |
| Ethylbenzene | 25.0 | 26.9 | | ug/L | | 108 | 75 - 125 |
| Ethyl-t-butyl ether (ETBE) | 25.0 | 27.1 | | ug/L | | 108 | 65 - 135 |
| Isopropyl Ether (DIPE) | 25.0 | 29.2 | | ug/L | | 117 | 60 - 135 |
| m,p-Xylene | 50.0 | 59.4 | | ug/L | | 119 | 75 - 125 |
| Methyl-t-Butyl Ether (MTBE) | 25.0 | 26.8 | | ug/L | | 107 | 60 - 135 |
| o-Xylene | 25.0 | 30.4 | | ug/L | | 122 | 75 - 125 |
| Tert-amyl-methyl ether (TAME) | 25.0 | 27.7 | | ug/L | | 111 | 60 - 135 |
| tert-Butyl alcohol (TBA) | 125 | 145 | | ug/L | | 116 | 70 - 135 |
| Toluene | 25.0 | 27.1 | | ug/L | | 108 | 70 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 108 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 99 | | 80 - 120 |
| Toluene-d8 (Surr) | 115 | | 80 - 120 |

TestAmerica Irvine

QC Sample Results

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-32075-1 MS

Matrix: Water

Analysis Batch: 73390

Client Sample ID: MW-4

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2-Dibromoethane (EDB) | ND | | 25.0 | 27.3 | | ug/L | | 109 | 70 - 130 |
| 1,2-Dichloroethane | ND | | 25.0 | 25.3 | | ug/L | | 101 | 60 - 140 |
| Benzene | ND | | 25.0 | 24.4 | | ug/L | | 98 | 65 - 125 |
| Ethanol | ND | | 250 | 231 | | ug/L | | 92 | 40 - 155 |
| Ethylbenzene | ND | | 25.0 | 25.3 | | ug/L | | 101 | 65 - 130 |
| Ethyl-t-butyl ether (ETBE) | ND | | 25.0 | 28.5 | | ug/L | | 114 | 60 - 135 |
| Isopropyl Ether (DIPE) | ND | | 25.0 | 30.6 | | ug/L | | 122 | 60 - 140 |
| m,p-Xylene | ND | | 50.0 | 56.6 | | ug/L | | 113 | 65 - 130 |
| Methyl-t-Butyl Ether (MTBE) | 2.5 | | 25.0 | 30.0 | | ug/L | | 110 | 55 - 145 |
| o-Xylene | ND | | 25.0 | 28.5 | | ug/L | | 114 | 65 - 125 |
| Tert-amyl-methyl ether (TAME) | ND | | 25.0 | 28.8 | | ug/L | | 115 | 60 - 140 |
| tert-Butyl alcohol (TBA) | ND | | 125 | 138 | | ug/L | | 110 | 65 - 140 |
| Toluene | ND | | 25.0 | 26.6 | | ug/L | | 106 | 70 - 125 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 108 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 108 | | 80 - 120 |
| Toluene-d8 (Surr) | 114 | | 80 - 120 |

Lab Sample ID: 440-32075-1 MSD

Matrix: Water

Analysis Batch: 73390

Client Sample ID: MW-4

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,2-Dibromoethane (EDB) | ND | | 25.0 | 27.0 | | ug/L | | 108 | 70 - 130 | 1 | 25 |
| 1,2-Dichloroethane | ND | | 25.0 | 24.8 | | ug/L | | 99 | 60 - 140 | 2 | 20 |
| Benzene | ND | | 25.0 | 23.3 | | ug/L | | 93 | 65 - 125 | 5 | 20 |
| Ethanol | ND | | 250 | 242 | | ug/L | | 97 | 40 - 155 | 4 | 30 |
| Ethylbenzene | ND | | 25.0 | 23.8 | | ug/L | | 95 | 65 - 130 | 6 | 20 |
| Ethyl-t-butyl ether (ETBE) | ND | | 25.0 | 27.1 | | ug/L | | 108 | 60 - 135 | 5 | 25 |
| Isopropyl Ether (DIPE) | ND | | 25.0 | 29.0 | | ug/L | | 116 | 60 - 140 | 5 | 25 |
| m,p-Xylene | ND | | 50.0 | 51.9 | | ug/L | | 104 | 65 - 130 | 9 | 25 |
| Methyl-t-Butyl Ether (MTBE) | 2.5 | | 25.0 | 29.6 | | ug/L | | 108 | 55 - 145 | 1 | 25 |
| o-Xylene | ND | | 25.0 | 26.8 | | ug/L | | 107 | 65 - 125 | 6 | 20 |
| Tert-amyl-methyl ether (TAME) | ND | | 25.0 | 28.2 | | ug/L | | 113 | 60 - 140 | 2 | 30 |
| tert-Butyl alcohol (TBA) | ND | | 125 | 132 | | ug/L | | 106 | 65 - 140 | 4 | 25 |
| Toluene | ND | | 25.0 | 25.6 | | ug/L | | 103 | 70 - 125 | 4 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 106 | | 80 - 120 |
| Toluene-d8 (Surr) | 115 | | 80 - 120 |

TestAmerica Irvine

QC Sample Results

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Method: 8015B/5030B - Gasoline Range Organics (GC)

Lab Sample ID: MB 440-72461/3

Matrix: Water

Analysis Batch: 72461

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|------|---|----------|----------------|---------|
| GRO (C6-C12) | ND | | 50 | ug/L | | | 12/11/12 09:11 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111 | | 65 - 140 | | | | 12/11/12 09:11 | 1 |

Lab Sample ID: LCS 440-72461/2

Matrix: Water

Analysis Batch: 72461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|------|---|------|--------------|
| GRO (C4-C12) | 800 | 734 | | ug/L | | 92 | 80 - 120 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene (Surr) | 143 | LH | 65 - 140 | | | | |

Lab Sample ID: 440-32077-A-3 MS

Matrix: Water

Analysis Batch: 72461

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| GRO (C4-C12) | 9500 | | 8000 | 16200 | | ug/L | | 83 | 65 - 140 |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 77 | | 65 - 140 | | | | | | |

Lab Sample ID: 440-32077-A-3 MSD

Matrix: Water

Analysis Batch: 72461

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| GRO (C4-C12) | 9500 | | 8000 | 16500 | | ug/L | | 87 | 65 - 140 | 2 | 20 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 83 | | 65 - 140 | | | | | | | | |

TestAmerica Irvine

QC Association Summary

Client: Broadbent & Associates, Inc.
 Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

GC/MS VOA

Analysis Batch: 73390

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|-------------|------------|
| 440-32075-1 | MW-4 | Total/NA | Water | 8260B/5030B | |
| 440-32075-1 MS | MW-4 | Total/NA | Water | 8260B/5030B | |
| 440-32075-1 MSD | MW-4 | Total/NA | Water | 8260B/5030B | |
| 440-32075-2 | MW-5 | Total/NA | Water | 8260B/5030B | |
| 440-32075-3 | MW-6 | Total/NA | Water | 8260B/5030B | |
| 440-32075-4 | MW-7 | Total/NA | Water | 8260B/5030B | |
| 440-32075-5 | MW-8 | Total/NA | Water | 8260B/5030B | |
| 440-32075-6 | MW-9 | Total/NA | Water | 8260B/5030B | |
| 440-32075-7 | RW-1 | Total/NA | Water | 8260B/5030B | |
| 440-32075-8 | S-5 | Total/NA | Water | 8260B/5030B | |
| LCS 440-73390/5 | Lab Control Sample | Total/NA | Water | 8260B/5030B | |
| MB 440-73390/4 | Method Blank | Total/NA | Water | 8260B/5030B | |

GC VOA

Analysis Batch: 72461

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|-------------|------------|
| 440-32075-1 | MW-4 | Total/NA | Water | 8015B/5030B | |
| 440-32075-2 | MW-5 | Total/NA | Water | 8015B/5030B | |
| 440-32075-3 | MW-6 | Total/NA | Water | 8015B/5030B | |
| 440-32075-4 | MW-7 | Total/NA | Water | 8015B/5030B | |
| 440-32075-5 | MW-8 | Total/NA | Water | 8015B/5030B | |
| 440-32075-6 | MW-9 | Total/NA | Water | 8015B/5030B | |
| 440-32075-7 | RW-1 | Total/NA | Water | 8015B/5030B | |
| 440-32075-8 | S-5 | Total/NA | Water | 8015B/5030B | |
| 440-32077-A-3 MS | Matrix Spike | Total/NA | Water | 8015B/5030B | |
| 440-32077-A-3 MSD | Matrix Spike Duplicate | Total/NA | Water | 8015B/5030B | |
| LCS 440-72461/2 | Lab Control Sample | Total/NA | Water | 8015B/5030B | |
| MB 440-72461/3 | Method Blank | Total/NA | Water | 8015B/5030B | |

Definitions/Glossary

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|---|
| LH | Surrogate Recoveries were higher than QC limits |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDA | Minimum detectable activity |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Certification Summary

Client: Broadbent & Associates, Inc.
Project/Site: ARCO 2035, Albany

TestAmerica Job ID: 440-32075-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------------------|-----------------------------|------------|-------------------|-----------------|
| Alaska | State Program | 10 | CA01531 | 06-30-13 |
| Arizona | State Program | 9 | AZ0671 | 10-13-13 |
| California | LA Cty Sanitation Districts | 9 | 10256 | 01-31-13 |
| California | NELAC | 9 | 1108CA | 01-31-13 |
| California | State Program | 9 | 2706 | 06-30-14 |
| Guam | State Program | 9 | Cert. No. 12.002r | 01-23-13 |
| Hawaii | State Program | 9 | N/A | 01-31-13 |
| Nevada | State Program | 9 | CA015312007A | 07-31-13 |
| New Mexico | State Program | 6 | N/A | 01-31-13 |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-31-13 |
| Oregon | NELAC | 10 | 4005 | 09-12-13 |
| USDA | Federal | | P330-09-00080 | 06-06-14 |
| USEPA UCMR | Federal | 1 | CA01531 | 01-31-13 |



Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: 06-88-610

Req Due Date (mm/dd/yy):

Rush TAT: Yes No

BP Facility No: 2035

Lab Work Order Number: 440-32075

| | | |
|--|--|--|
| Lab Name: Test America | Facility Address: 1001 San Pablo Avenue | Consultant/Contractor: Broadbent and Associates |
| Lab Address: 17461 Derian Suite #100, Irvine, CA 92641 | City, State, ZIP Code: Albany, California | Consultant/Contractor Project No: 06-88-610 |
| Lab PM: Pat Abe | Lead Regulatory Agency: ACEH | Address: 1324 Mangrove Ave., Ste 212, Chico, CA 95926 |
| Lab Phone: 949-261-1022 | California Global ID No.: T0600100081 | Consultant/Contractor PM: Tom Venus |
| Lab Shipping Acct: 1103-6633-7 | Enfos Proposal No: 005TK-0004 / WR245699 | Phone: 530-566-1400 Fax: 530-566-1401 |
| Lab Bottle Order No: | Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/> | Email EDD To: venus@broadbentinc.com and to lab.entoc@bp.com |
| Other Info: | Stage: Execute (40) Activity: Project Spend (80) | Invoice To: BP <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> |

| BP Project Manager (PM): Shannon Couch | | | | Matrix | | No. Containers / Preservative | | | | | | | | | | Requested Analyses | | | | Report Type & QC Level | | |
|--|--------------------|-----------|------|--------------|----------------|-------------------------------|--------------------------|---------------------------|-------------|-------|------|-----|----------|--------------|-------------------------|--------------------|-----------------|--|--|--|--|----------|
| BP PM Phone: 925-275-3804 | | | | | | | | | | | | | | | | | | | | Standard <input type="checkbox"/> | | |
| BP PM Email: shannon.couch@bp.com | | | | | | | | | | | | | | | | | | | | Full Data Package <input type="checkbox"/> | | |
| Lab No. | Sample Description | Date | Time | Soil / Solid | Water / Liquid | Air / Vapor | Is this location a well? | Total Number of Container | Unpreserved | H2SO4 | HNO3 | HCl | Methanol | GRO by 8015M | BTEX/S FO + EDB by 8260 | 1,2-DCA by 8260 | Ethanol by 8260 | | | | | Comments |
| MW-4 | | 12/6/2012 | 1402 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| MW-5 | | 12/6/2012 | 0945 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| MW-6 | | 12/6/2012 | 1530 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| MW-7 | | 12/6/2012 | 1235 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| MW-8 | | 12/6/2012 | 1800 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| MW-9 | | 12/6/2012 | 1046 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| RW-1 | | 12/6/2012 | 1120 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| S-5 | | 12/6/2012 | 1150 | x | x | x | | 6 | | | | x | | x | x | x | x | | | | | |
| TB-2035-12062012 | | - | - | x | | | | 2 | | | | x | | | | | | | | | | On Hold |

| | | | | | | | | |
|---|-------------------------------|--|---------|------|---------------------------|--|---------|------|
| Sampler's Name: Alex Martinez | Relinquished By / Affiliation | | Date | Time | Accepted By / Affiliation | | Date | Time |
| Sampler's Company: Broadbent and Associates | <i>Alex Martinez</i> / BAI | | 12-6-12 | 1700 | <i>Tom Venus</i> / BAI | | 12/6/12 | 1045 |
| Shipment Method: FedEx | Ship Date: | | | | | | | |
| Shipment Tracking No: | | | | | | | | |

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



Login Sample Receipt Checklist

Client: Broadbent & Associates, Inc.

Job Number: 440-32075-1

Login Number: 32075

List Number: 1

Creator: Kim, Will

List Source: TestAmerica Irvine

| Question | Answer | Comment |
|--|--------|---------------|
| Radioactivity wasn't checked or is <=/ background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | Alex Martinez |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

APPENDIX F

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>Report Title:</u> | 4Q12 GEO_WELL 2035 |
| <u>Facility GlobalID:</u> | T0600100081 |
| <u>Facility Name:</u> | ARCO #02035 |
| <u>File Name:</u> | GEO_WELL.zip |
| <u>Organization Name:</u> | Broadbent & Associates, Inc. |
| <u>Username:</u> | BROADBENT-C |
| <u>IP Address:</u> | 66.208.210.129 |
| <u>Submittal Date/Time:</u> | 1/23/2013 9:48:44 AM |
| <u>Confirmation Number:</u> | 3289060473 |

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 |
| <u>Report Title:</u> | 4Q12 GW Monitoring |
| <u>Report Type:</u> | Monitoring Report - Semi-Annually |
| <u>Facility Global ID:</u> | T0600100081 |
| <u>Facility Name:</u> | ARCO #02035 |
| <u>File Name:</u> | 440-32075-1_20 Dec 12 1619_EDF.zip |
| <u>Organization Name:</u> | Broadbent & Associates, Inc. |
| <u>Username:</u> | BROADBENT-C |
| <u>IP Address:</u> | 66.208.210.129 |
| <u>Submittal Date/Time:</u> | 1/23/2013 9:46:44 AM |
| <u>Confirmation Number:</u> | 9521879076 |

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[VIEW DETECTIONS REPORT](#)