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By Alameda County Environmental Health at 3:24 pm, Oct 10, 2013



Ms. Dilan Roe, P.E.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

ARCADIS U.S., Inc.
100 Montgomery Street
Suite 300
San Francisco
California 94104
Tel 415 374 2744
Fax 415 374 2745
www.arcadis-us.com

Subject:

**Second and Third Quarter 2013
Semi-Annual Groundwater Monitoring Report**
Former Atlantic Richfield Company Station No. 4931
731 West MacArthur Boulevard
Oakland, California 94609

ENVIRONMENT

Date:
October 7, 2013

Dear Ms. Roe:

Contact:
Hollis Phillips

ARCADIS U.S., Inc (ARCADIS) has prepared this report on behalf of BP Remediation Management, a BP affiliated company, for the former BP service station listed below.

Phone:
415.432.6903

| <u>BP Facility No.</u> | <u>ACEH Site No.</u> | <u>Location</u> |
|------------------------|----------------------|---|
| 4931 | RO0000076 | 731 West MacArthur Blvd. Oakland, California |

Email:
hollis.phillips@arcadis-us.com

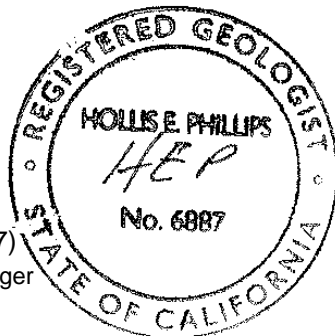
Our ref:
GP09BPNA.C110.N0000

I declare, 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. If you have any questions or comments regarding the content of this report, please contact Hollis Phillips by telephone at 415.432.6903 or by e-mail at hollis.phillips@arcadis-us.com.

Sincerely,

ARCADIS U.S., Inc.

Hollis E. Phillips, P.G. (No. 6887)
Principal Geologist/Project Manager



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Ms. Dilan Roe
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject:

**Second and Third Quarter 2013
Semi-Annual Groundwater Monitoring Report**
Former Atlantic Richfield Company Station #4931
731 West MacArthur Boulevard
Oakland, California
ACEH Case #RO0000076

Dear Ms. Roe:

ARCADIS U.S., Inc. (ARCADIS) has prepared this semi-annual groundwater monitoring report to document the results of groundwater monitoring and sampling at the former BP service station No. 4931, located at 731 West MacArthur Boulevard in Oakland, California (the Site; Figure 1).

1. Summary

A summary of the work performed at the Site during this reporting period and the proposed work for the next reporting period is provided below.

Work Performed – Reporting Period (April 2013 to September 2013)

- Submitted the *Fourth Quarter 2012 and First Quarter 2013, Semi-Annual Groundwater Monitoring Report* on April 11, 2013 to Alameda County Environmental Health Services Agency (ACEH).
- Submitted the *ACEH Low Threat Closure Policy Checklist and Site Conceptual Site Model* on June 28, 2013 to ACEH.
- Performed semi-annual groundwater monitoring and sampling on August 7, 2013 in accordance with the ACEH.

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ENVIRONMENT

Date:
October 7, 2013

Contact:
Hollis Phillips

Phone:
415.432.6903

Email:
hollis.phillips@arcadis-us.com

Our ref:
GP09BPNA.C110.N0000

Work Proposed – Reporting Period (October 2013 to March 2014)

- Submit the *Second and Third Quarter 2013, Semi-Annual Groundwater Monitoring Report*, contained herein.

2. Background

The Site is a former BP service station and is currently operated as a Beacon gasoline station (Figures 1 and 2). Improvements to the Site include four 10,000-gallon double-wall fiberglass gasoline underground storage tanks (USTs) installed on April 8, 1992. Product lines were excavated, removed, inspected, and replaced on October 2, 2002. Soil boring and well construction details are summarized in Table 1. Previous investigation information and site history are summarized in Appendix A.

3. Groundwater Monitoring/Sampling Activities and Results

Historical and current groundwater monitoring and sampling results are summarized in Table 2. Current groundwater monitoring and sampling data are graphically presented on Figures 3 and 4. A rose diagram illustrating historical groundwater flow directions and gradients is provided on Figure 5.

Before groundwater samples were collected, depth to groundwater was measured to within 0.01 foot below top of casing in wells A-2 through A-5, A-7 through A-12, AR-1, and AR-3 using a water level indicator. Monitoring well AR-2 could not be gauged due to the well being paved over with a concrete pad. Monitoring well A-13 could not be gauged due to the well currently being paved over.

Monitoring wells A-2, A-3, A-4, A-5, A-7, A-8, A-10, and A-12 were sampled on August 7, 2013 by Broadbent & Associates, Inc. (Broadbent). Monitoring well A-9 could not be sampled due to the well casing being damaged by an adjacent tree's roots. Field activities conducted by Broadbent were reviewed and certified by a Broadbent California Professional Geologist. Groundwater sampling data packages and laboratory analytical reports for the current monitoring period are included in Appendices B and C, respectively.

Collected groundwater samples were submitted under chain-of-custody protocol to TestAmerica Laboratories, Inc. (TestAmerica), a California-certified laboratory located in Pleasanton, California.

Collected groundwater samples from A-2, A-3, A-7, A-10, and A-12 were analyzed for fuel additive methyl tert-butyl ether (MTBE) by USEPA Method 8260.

Collected groundwater samples from A-5 were analyzed for the following:

- Gasoline range organics (C6-C12) (GRO) using United States Environmental Protection Agency (USEPA) Method 8260B Modified;
- MTBE using USEPA Method 8260.

Collected groundwater samples from A-4 and A-8 were analyzed for the following:

- GRO using USEPA Method 8260B Modified;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX), ethylene dibromide (EDB), and 1,2-dichloroethane (1,2-DCA) using USEPA Method 8260; and
- Tert-amyl-methyl ether (TAME), diisopropyl ether (DIPE), ethanol, and ethyl t-butyl ether (ETBE) by USEPA Method 8260.

4. Discussion

- As shown on Figure 3, groundwater flow direction during the reporting period was to the west-southwest at an approximate gradient of 0.01 foot per foot (ft/ft). Historical data indicate the groundwater flow direction is predominantly toward the west as shown on Figure 5.
- GRO was detected in two of three wells sampled at concentrations of 1,400 micrograms per liter ($\mu\text{g/L}$) (A-8) and 1,500 $\mu\text{g/L}$ (A-4). These detections are consistent with historical analytical results.
- Benzene was detected in the two wells sampled at concentrations of 2.7 $\mu\text{g/L}$ (A-4) and 940 $\mu\text{g/L}$ (A-8).
- Toluene was detected in one of two wells sampled at a concentration of 5.5 $\mu\text{g/L}$ (A-8).
- Ethylbenzene was detected in one of two wells sampled at a concentration of 1.6 $\mu\text{g/L}$ (A-8).

- Total xylenes were detected in one of two wells sampled at a concentration of 1.5 µg/L (A-8).
- MTBE was detected in six of eight wells sampled at concentrations ranging from 2.0 µg/L (A-12) and 56 µg/L (A-4).
- TBA was detected in the two wells sampled at concentrations of 67 µg/L (A-8) and 1,600 µg/L (A-4). These detections are consistent with historical analytical results.
- TAME was detected in the two wells sampled at concentrations of 14 µg/L (A-8) and 16 µg/L (A-4).
- DIPE, ETBE, Ethanol, EDB, and 1,2-DCA were not detected in the two wells sampled and analyzed for these constituents.

5. Recommendations

Available data from the Site suggests that the Site is adequately characterized and there are no additional data gaps. Based on the observed groundwater concentration trends and as stated in the *ACEH Low Threat Closure Policy Checklist and Site Conceptual Site Model*, dated June 28, 2013, the Site appears to be a candidate for closure as a low-risk fuel site as described in the State Water Resources Control Board (State Water Board) *Low-Threat Underground Storage Tank Case Closure Policy*. ARCADIS recommends that a status of no further action (NFA) be received, and the Site be granted regulatory closure. During case closure evaluation ARCADIS requests the following:

- Suspension of groundwater monitoring and reporting, which includes the February 2014 sampling event, pending approval of site closure by the ACEH.
- Preparation of a work plan for monitoring well decommissioning upon site closure approval by ACEH.

If you have any questions or comments regarding the contents of this report, please contact Hollis Phillips by telephone (415.432.6903) or by e-mail (hollis.phillips@arcadis-us.com).

Sincerely,

ARCADIS U.S., Inc.



Prepared by:



Jamey Peterson
Staff Geologist

Approved by:



Hollis E. Phillips, P.G. (CA 6887)
Principal Geologist/Project Manager

Enclosures:

- | | |
|------------|---|
| Table 1 | Soil Boring and Well Construction Details |
| Table 2 | Historical and Current Groundwater Monitoring and Analytical Data |
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Figure 3 | Groundwater Elevation Contour Map – August 7, 2013 |
| Figure 4 | Analytical Summary Map – August 7, 2013 |
| Figure 5 | Groundwater Flow Direction Rose Diagram |
| Appendix A | Previous Investigations and Site History Summary |
| Appendix B | Groundwater Sampling Data Package |
| Appendix C | Certified Laboratory Analytical Report |

Copies:

Ms. Dilan Roe, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. Nick Goyal, Owner, electronic copy e-mailed (nick@vintnersdist.com)
Electronic copy uploaded to GeoTracker

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TABLES

Table 1
Soil Boring and Well Construction Details
Former Atlantic-Richfield Oil Company Station No. 4931
731 West MacArthur Boulevard, Oakland, California

| Well I.D. | Drill Date | Well | | Screen | | Screen Length (feet) |
|-----------------------------------|------------|------------------|-------------------|----------------|-------------------|----------------------|
| | | Depth (feet bgs) | Diameter (inches) | Top (feet bgs) | Bottom (feet bgs) | |
| Monitoring Wells | | | | | | |
| A-2 | -- | -- | -- | -- | -- | -- |
| A-3 | -- | -- | -- | -- | -- | -- |
| A-4 | -- | -- | -- | -- | -- | -- |
| A-5 | -- | -- | -- | -- | -- | -- |
| A-6 | -- | -- | -- | -- | -- | -- |
| A-7 | -- | -- | -- | -- | -- | -- |
| A-8 | -- | -- | -- | -- | -- | -- |
| A-9 | 12/15/87 | 40 | 6 | 5 | 40 | 35 |
| A-10 | 12/15/87 | 30 | 3 | 5 | 30 | 25 |
| A-11 | 12/16/87 | 30 | 3 | 5 | 30 | 25 |
| A-12 | 12/16/87 | 30 | 3 | 5 | 30 | 25 |
| A-13 | 06/15/92 | 30 | 3 | 10 | 30 | 20 |
| AR-1 | 06/15/92 | 30 | 6 | 10 | 30 | 20 |
| AR-2 | 06/15/92 | 30 | 6 | 8 | 28 | 20 |
| AR-3 | 06/16/92 | 30 | 4 | 10 | 30 | 20 |
| Soil Vapor Extraction Well | | | | | | |
| AV-1 | 01/17/92 | 16 | 2 | 5 | 15 | 10 |

Notes

Wells are constructed of poly-vinyl-chloride (PVC).

bgs = Below ground surface

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft ms) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft ms) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|-------------|----------|-------------------------------|-----------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| AR-1 | 12/26/2000 | | 54.72 | 9.95 | -- | 44.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 3/20/2001 | | 54.72 | 8.34 | -- | 46.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 6/12/2001 | | 54.72 | 10.17 | -- | 44.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 9/23/2001 | | 54.72 | 10.72 | -- | 44.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 12/31/2001 | | 54.72 | 5.91 | -- | 48.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 3/21/2002 | | 54.72 | 7.00 | -- | 47.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 4/17/2002 | | 54.72 | 8.33 | -- | 46.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/12/2002 | | 54.72 | 10.18 | -- | 44.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 12/6/2002 | | 54.72 | 10.21 | -- | 44.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 1/30/2003 | | 54.72 | 8.22 | -- | 46.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 5/28/2003 | | 54.72 | 9.62 | -- | 45.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/6/2003 | | 54.72 | 10.47 | -- | 44.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 11/14/2003 | | 54.72 | 10.40 | -- | 44.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/2/2004 | | 59.52 | 7.96 | -- | 51.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 5/4/2004 | | 59.52 | 10.17 | -- | 49.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 9/2/2004 | | 59.52 | 10.28 | -- | 49.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 11/10/2004 | | 59.52 | 9.15 | -- | 50.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/2/2005 | | 59.52 | 7.80 | -- | 51.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 5/9/2005 | | 59.52 | 7.03 | -- | 52.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/11/2005 | | 59.52 | 9.82 | -- | 49.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 11/18/2005 | | 59.52 | 9.83 | -- | 49.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/15/2006 | | 59.52 | 7.78 | -- | 51.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 5/30/2006 | | 59.52 | 8.65 | -- | 50.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/11/2006 | | 59.52 | 9.69 | -- | 49.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 11/1/2006 | | 59.52 | 10.07 | -- | 49.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/7/2007 | | 59.52 | 9.33 | -- | 50.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 5/9/2007 | | 59.52 | 8.45 | -- | 51.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/7/2007 | | 59.52 | 10.12 | -- | 49.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 11/14/2007 | | 59.52 | 9.31 | -- | 50.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/28/2008 | | 59.52 | 7.05 | -- | 52.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/13/2008 | | 59.52 | 10.20 | -- | 49.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 11/19/2008 | | 59.52 | 9.73 | -- | 49.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/10/2009 | | 59.52 | 8.61 | -- | 50.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 5/7/2009 | | 59.52 | 8.17 | -- | 51.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 9/3/2009 | | 59.52 | 10.19 | -- | 49.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 8/24/2012 | | 59.52 | 9.65 | -- | 49.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 2/8/2013 | | 59.52 | 8.44 | -- | 51.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| AR-1 | 8/7/2013 | | 59.52 | 10.08 | -- | 49.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-2 | 6/21/2000 | | 55.48 | 6.85 | -- | 48.63 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <3.0 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 9/20/2000 | | 55.48 | 10.45 | -- | 45.03 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 12/26/2000 | | 55.48 | 6.27 | -- | 49.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 3/20/2001 | | 55.48 | 4.57 | -- | 50.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 6/12/2001 | | 55.48 | 9.27 | -- | 46.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 9/23/2001 | | 55.48 | 10.75 | -- | 44.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 12/31/2001 | | 55.48 | 4.13 | -- | 51.35 | <50 | <0.5 | <0.5 | 1 | 3.2 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 3/21/2002 | | 55.48 | 3.26 | -- | 52.22 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 4/17/2002 | | 55.48 | 3.72 | -- | 51.76 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.1 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/12/2002 | | 55.48 | 9.95 | -- | 45.53 | <10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | 3.1 |
| A-2 | 12/6/2002 | | 55.48 | 10.01 | -- | 45.47 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6 | -- | -- | -- | -- | -- | -- | -- | -- | 3.1 |
| A-2 | 1/30/2003 | | 55.48 | 5.08 | -- | 50.40 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <40 | -- | -- | -- | 2.6 |
| A-2 | 5/28/2003 | | 55.48 | 4.82 | -- | 50.66 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.1 | <20 | <0.50 | <0.50 | <0.50 | <100 | -- | -- | -- | 5.7 |
| A-2 | 8/6/2003 | | 55.48 | 9.73 | -- | 45.75 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | 2.3 |
| A-2 | 11/14/2003 | | 55.48 | 9.36 | -- | 46.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/2/2004 | | 60.65 | 4.45 | -- | 56.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 5/4/2004 | | 60.65 | 6.79 | -- | 53.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 9/2/2004 | | 60.65 | 10.51 | -- | 50.14 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | 3.1 |
| A-2 | 11/10/2004 | | 60.65 | 6.10 | -- | 54.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/2/2005 | | 60.65 | 4.00 | -- | 56.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 5/9/2005 | | 60.65 | 4.35 | -- | 56.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/11/2005 | | 60.65 | 9.08 | -- | 51.57 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | 3.2 |
| A-2 | 11/18/2005 | | 60.65 | 8.53 | -- | 52.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/15/2006 | | 60.65 | 3.89 | -- | 56.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 5/30/2006 | | 60.65 | 4.45 | -- | 56.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|------------|
| A-2 | 8/11/2006 | | 60.65 | 9.03 | -- | 51.62 | 160 | <0.50 | <0.50 | <0.50 | <0.50 | 3.6 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.16 | |
| A-2 | 11/1/2006 | | 60.65 | 9.98 | -- | 50.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/7/2007 | | 60.65 | 7.51 | -- | 53.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 5/9/2007 | | 60.65 | 4.57 | -- | 56.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/7/2007 | | 60.65 | 9.67 | -- | 50.98 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.4 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 2.18 | |
| A-2 | 11/14/2007 | | 60.65 | 7.84 | -- | 52.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/28/2008 | | 60.65 | 3.30 | -- | 57.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 5/23/2008 | | 60.65 | 8.80 | -- | 51.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/13/2008 | | 60.65 | 10.20 | -- | 50.45 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 19 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.87 | |
| A-2 | 11/19/2008 | | 60.65 | 9.20 | -- | 51.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/10/2009 | | 60.65 | 7.83 | -- | 52.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 5/7/2009 | | 60.65 | 4.40 | -- | 56.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 9/3/2009 | | 60.65 | 10.07 | -- | 50.58 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 12 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.03 | |
| A-2 | 3/23/2010 | | 60.65 | 3.67 | -- | 56.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/16/2010 | | 60.65 | 9.40 | -- | 51.25 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 6.1 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | |
| A-2 | 3/18/2011 | | 60.65 | 2.89 | -- | 57.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/18/2011 | | 60.65 | 7.63 | -- | 53.02 | -- | -- | -- | -- | -- | 0.74 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/29/2012 | | 60.65 | 8.42 | -- | 52.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/24/2012 | | 60.65 | 10.54 | -- | 50.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 8/31/2012 | | 60.65 | 10.70 | -- | 49.95 | -- | -- | -- | -- | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-2 | 2/8/2013 | | 60.65 | 4.51 | -- | 56.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-2 | 8/7/2013 | | 60.65 | 10.07 | -- | 50.58 | -- | -- | -- | -- | -- | 12 | -- | -- | -- | -- | -- | -- | -- | 1.50 | |
| AR-2 | 3/20/2001 | | 54.77 | 3.13 | -- | 51.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 6/12/2001 | | 54.77 | 4.51 | -- | 50.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 9/23/2001 | | 54.77 | 6.05 | -- | 48.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 12/31/2001 | | 54.77 | 2.79 | -- | 51.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 3/21/2002 | | 54.77 | 7.75 | -- | 47.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 4/17/2002 | | 54.77 | 2.24 | -- | 52.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/12/2002 | | 54.77 | 4.93 | -- | 49.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 12/6/2002 | | 54.77 | 6.09 | -- | 48.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 1/30/2003 | | 54.77 | 3.89 | -- | 50.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 5/28/2003 | | 54.77 | 3.33 | -- | 51.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/6/2003 | | 54.77 | 5.05 | -- | 49.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 11/14/2003 | | 54.77 | 6.01 | -- | 48.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/2/2004 | | 59.18 | 3.88 | -- | 55.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 5/4/2004 | | 59.18 | 6.01 | -- | 53.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 9/2/2004 | | 59.18 | 5.65 | -- | 53.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 11/10/2004 | | 59.18 | 5.48 | -- | 53.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/2/2005 | | 59.18 | 2.62 | -- | 56.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 5/9/2005 | | 59.18 | 2.84 | -- | 56.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/11/2005 | | 59.18 | 4.33 | -- | 54.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 11/18/2005 | | 59.18 | 5.34 | -- | 53.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/15/2006 | | 59.18 | 2.49 | -- | 56.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 5/30/2006 | | 59.18 | 3.02 | -- | 56.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/11/2006 | | 59.18 | 4.32 | -- | 54.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 11/1/2006 | | 59.18 | 5.25 | -- | 53.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/7/2007 | | 59.18 | 4.64 | -- | 54.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 5/9/2007 | | 59.18 | 3.15 | -- | 56.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/7/2007 | | 59.18 | 4.55 | -- | 54.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 11/14/2007 | | 59.18 | 5.03 | -- | 54.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/28/2008 | | 59.18 | 1.82 | -- | 57.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/13/2008 | | 59.18 | 5.05 | -- | 54.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 11/19/2008 | | 59.18 | 5.49 | -- | 53.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/10/2009 | | 59.18 | 5.10 | -- | 54.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 5/7/2009 | | 59.18 | 2.90 | -- | 56.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 9/3/2009 | | 59.18 | 5.99 | -- | 53.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 8/24/2012 | | 59.18 | 4.55 | -- | 54.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-2 | 2/8/2013 | | 59.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (INA) |
| AR-2 | 8/7/2013 | | 59.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP, INA) |
| A-3 | 6/21/2000 | | 54.66 | 9.48 | -- | 45.18 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 46 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-3 | 9/20/2000 | | 54.66 | 10.24 | -- | 44.42 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 89.6 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-3 | 12/26/2000 | | 54.66 | 9.58 | -- | 45.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7.11 | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| A-3 | 3/20/2001 | | 54.66 | 6.34 | -- | 48.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 6/12/2001 | | 54.66 | 9.76 | -- | 44.90 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 86 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 9/23/2001 | | 54.66 | 10.55 | -- | 44.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 12/31/2001 | | 54.66 | 3.70 | -- | 50.96 | <50 | <0.5 | <0.5 | <0.5 | 1 | 60 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 3/21/2002 | | 54.66 | 5.75 | -- | 48.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 4/17/2002 | | 54.66 | 7.27 | -- | 47.39 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 45 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/12/2002 | | 54.66 | 9.71 | -- | 44.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 12/6/2002 | | 54.66 | 9.55 | -- | 45.11 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 150 | -- | -- | -- | -- | -- | -- | -- | -- | 2.4 |
| A-3 | 1/30/2003 | | 54.66 | 6.05 | -- | 48.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 5/28/2003 | | 54.66 | 8.06 | -- | 46.60 | 74 | <0.50 | <0.50 | <0.50 | <0.50 | 43 | <20 | <0.50 | <0.50 | 24 | <100 | -- | -- | 1.5 | -- |
| A-3 | 8/6/2003 | | 54.66 | 9.91 | -- | 44.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 11/14/2003 | | 54.66 | 9.52 | -- | 45.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/2/2004 | | 59.32 | 5.63 | -- | 53.69 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 13 | <20 | <0.50 | <0.50 | 4.6 | <100 | <0.5 | <0.5 | 1.2 | -- |
| A-3 | 5/4/2004 | | 59.32 | 8.14 | -- | 51.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 9/2/2004 | | 59.32 | 10.10 | -- | 49.22 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 62 | <100 | <2.5 | <2.5 | 15 | <500 | <2.5 | <2.5 | 1.3 | -- |
| A-3 | 11/10/2004 | | 59.32 | 7.89 | -- | 51.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/2/2005 | | 59.32 | 5.00 | -- | 54.32 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.8 | <20 | <0.50 | <0.50 | 2.4 | <100 | <0.5 | <0.5 | 1.9 | -- |
| A-3 | 5/9/2005 | | 59.32 | 5.96 | -- | 53.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/11/2005 | | 59.32 | 9.28 | -- | 50.04 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 39 | <20 | <0.50 | <0.50 | 4.2 | <100 | <0.5 | <0.5 | 1.8 | -- |
| A-3 | 11/18/2005 | | 59.32 | 8.61 | -- | 50.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/15/2006 | | 59.32 | 4.36 | -- | 54.96 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.2 | <20 | <0.50 | <0.50 | 0.58 | <300 | <0.5 | <0.5 | 3.6 | -- |
| A-3 | 5/30/2006 | | 59.32 | 6.28 | -- | 53.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/11/2006 | | 59.32 | 9.27 | -- | 50.05 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 4.1 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 2.10 | -- |
| A-3 | 11/1/2006 | | 59.32 | 9.52 | -- | 49.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/7/2007 | | 59.32 | 7.90 | -- | 51.42 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.58 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.74 | -- |
| A-3 | 5/9/2007 | | 59.32 | 6.55 | -- | 52.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/7/2007 | | 59.32 | 9.57 | -- | 49.75 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.9 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.95 | -- |
| A-3 | 11/14/2007 | | 59.32 | 8.00 | -- | 51.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/28/2008 | | 59.32 | 3.75 | -- | 55.57 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.58 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 6.16 | -- |
| A-3 | 5/23/2008 | | 59.32 | 9.10 | -- | 50.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/13/2008 | | 59.32 | 9.80 | -- | 49.52 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.55 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.69 | -- |
| A-3 | 11/19/2008 | | 59.32 | 8.31 | -- | 51.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/10/2009 | | 59.32 | 7.30 | -- | 52.02 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.90 | -- |
| A-3 | 5/7/2009 | | 59.32 | 6.10 | -- | 53.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 9/3/2009 | | 59.32 | 9.50 | -- | 49.82 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.01 | -- |
| A-3 | 3/23/2010 | | 59.32 | 4.45 | -- | 54.87 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | -- |
| A-3 | 8/16/2010 | | 59.32 | 9.45 | -- | 49.87 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 0.72 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | -- |
| A-3 | 3/18/2011 | | 59.32 | 4.00 | -- | 55.32 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/18/2011 | | 59.32 | 8.62 | -- | 50.70 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/29/2012 | | 59.32 | 7.22 | -- | 52.10 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/24/2012 | | 59.32 | 9.31 | -- | 50.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/31/2012 | | 59.32 | 9.41 | -- | 49.91 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 2/8/2013 | | 59.32 | 6.33 | -- | 52.99 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-3 | 8/7/2013 | | 59.32 | 9.45 | -- | 49.87 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | 2.25 |
| AR-3 | 12/26/2000 | | 54.19 | 9.70 | -- | 44.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 9/23/2001 | | 54.19 | 10.43 | -- | 43.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 12/31/2001 | | 54.19 | 5.18 | -- | 49.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 3/21/2002 | | 54.19 | 6.78 | -- | 47.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 4/17/2002 | | 54.19 | 8.06 | -- | 46.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 8/12/2002 | | 54.19 | 9.94 | -- | 44.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 12/6/2002 | | 54.19 | 9.99 | -- | 44.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 1/30/2003 | | 54.19 | 7.96 | -- | 46.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 5/28/2003 | | 54.19 | 8.94 | -- | 45.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 8/6/2003 | | 54.19 | 9.94 | -- | 44.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 11/14/2003 | | 54.19 | 10.03 | -- | 44.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 2/2/2004 | | 59.10 | 6.90 | -- | 52.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 5/4/2004 | | 59.10 | 9.12 | -- | 49.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 9/2/2004 | | 59.10 | 10.15 | -- | 48.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 11/10/2004 | | 59.10 | 8.79 | -- | 50.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 2/2/2005 | | 59.10 | 7.30 | -- | 51.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 5/9/2005 | | 59.10 | 7.71 | -- | 51.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 8/11/2005 | | 59.10 | 9.54 | -- | 49.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-3 | 11/18/2005 | | 59.10 | 9.43 | -- | 49.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| AR-3 | 2/15/2006 | | 59.10 | 7.50 | -- | 51.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 5/30/2006 | | 59.10 | 8.82 | -- | 50.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 8/11/2006 | | 59.10 | 9.38 | -- | 49.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 11/1/2006 | | 59.10 | 9.75 | -- | 49.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 2/7/2007 | | 59.10 | 9.00 | -- | 50.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 5/9/2007 | | 59.10 | 8.12 | -- | 50.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 8/7/2007 | | 59.10 | 9.75 | -- | 49.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 11/14/2007 | | 59.10 | 8.91 | -- | 50.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 2/28/2008 | | 59.10 | 6.73 | -- | 52.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 8/13/2008 | | 59.10 | 9.85 | -- | 49.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 11/19/2008 | | 59.10 | 9.35 | -- | 49.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 2/10/2009 | | 59.10 | 8.29 | -- | 50.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 5/7/2009 | | 59.10 | 7.83 | -- | 51.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 9/3/2009 | | 59.10 | 9.80 | -- | 49.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 8/24/2012 | | 59.10 | 9.10 | -- | 50.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 2/8/2013 | | 59.10 | 7.62 | -- | 51.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| AR-3 | 8/7/2013 | | 59.10 | 9.47 | -- | 49.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-4 | 6/21/2000 | | 54.73 | 9.49 | -- | 45.24 | 2,100 | 110 | 2.1 | 11 | 5.9 | 2,000 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 9/20/2000 | | 54.73 | 10.33 | -- | 44.40 | 1,540 | 127 | <5.0 | 9.07 | 7.42 | 1,940 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 12/26/2000 | | 54.73 | 9.34 | -- | 45.39 | 1,550 | 42.7 | <5.0 | 11 | 10.9 | 1,210 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 3/20/2001 | | 54.73 | 7.56 | -- | 47.17 | 913 | 40.9 | <5.0 | 15.5 | 14.6 | <25 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 6/12/2001 | | 54.73 | 9.83 | -- | 44.90 | 2,000 | 230 | <20 | 21 | <20 | 4,700 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 9/23/2001 | | 54.73 | 10.54 | -- | 44.19 | 1,600 | 35 | <10 | <10 | <10 | 3,000 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 12/31/2001 | | 54.73 | 5.42 | -- | 49.31 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 880 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 3/21/2002 | | 54.73 | 6.18 | -- | 48.55 | <5,000 | <50 | <50 | <50 | <50 | 1,400 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 4/17/2002 | | 54.73 | 7.34 | -- | 47.39 | 1,300 | 79 | 31 | 17 | 55 | 2,200 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 8/12/2002 | | 54.73 | 9.56 | -- | 45.17 | 2,400 | 120 | <5.0 | <5.0 | <5.0 | 2,100 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| A-4 | 12/6/2002 | | 54.73 | 10.02 | -- | 44.71 | 2,200 | 110 | 10 | 42 | 56 | 2,000 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-4 | 1/30/2003 | | 54.73 | 7.55 | -- | 47.18 | 6,000 | 180 | <50 | 85 | <50 | 2,100 | <2,000 | <50 | <50 | 530 | <4,000 | -- | -- | -- | 1.8 |
| A-4 | 5/28/2003 | | 54.73 | 8.94 | -- | 45.79 | 6,000 | 120 | <50 | <50 | <50 | 2,500 | <2,000 | <50 | <50 | 590 | <10,000 | -- | -- | -- | 1.5 |
| A-4 | 8/6/2003 | | 54.73 | 10.03 | -- | 44.70 | 5,800 | 100 | <25 | <25 | 33 | 2,500 | <1,000 | <25 | <25 | 560 | <5,000 | <25 | <25 | <25 | 1.5 |
| A-4 | 11/14/2003 | | 54.73 | 10.37 | -- | 44.36 | 1,000 | 17 | <5.0 | <5.0 | <5.0 | 310 | 320 | <5.0 | <5.0 | 76 | <1,000 | -- | -- | -- | 1.6 |
| A-4 | 2/2/2004 | | 59.59 | 6.70 | -- | 52.89 | 3,600 | 46 | <25 | <25 | <25 | 1,500 | <1,000 | <25 | <25 | 350 | <5,000 | <25 | <25 | <25 | 1.0 |
| A-4 | 5/4/2004 | | 59.59 | 9.12 | -- | 50.47 | <5,000 | <50 | <50 | <50 | <50 | 2,300 | <2,000 | <50 | <50 | 510 | <10,000 | <50 | <50 | <50 | 6.4 |
| A-4 | 9/2/2004 | | 59.59 | 9.95 | -- | 49.64 | 3,000 | <25 | <25 | <25 | <25 | 1,200 | 1,200 | <25 | <25 | 280 | <5,000 | <25 | <25 | <25 | 9.1 |
| A-4 | 11/10/2004 | | 59.59 | 8.68 | -- | 50.91 | 1,800 | 16 | <10 | <10 | <10 | 1,100 | 910 | <10 | <10 | 270 | <2,000 | <10 | <10 | <10 | 2.0 |
| A-4 | 2/2/2005 | | 59.59 | 6.92 | -- | 52.67 | 3,300 | 120 | <10 | 66 | 11 | 1,700 | 2,100 | <10 | <10 | 430 | <2,000 | <10 | <10 | <10 | 1.5 |
| A-4 | 5/9/2005 | | 59.59 | 7.21 | -- | 52.38 | <5,000 | 140 | <50 | 62 | <50 | 1,800 | 2,000 | <50 | <50 | 460 | <10,000 | <50 | <50 | <50 | 1.64 |
| A-4 | 8/11/2005 | | 59.59 | 9.71 | -- | 49.88 | 1,700 | 51 | <10 | <10 | <10 | 1,200 | 2,400 | <10 | <10 | 310 | <2,000 | <10 | <10 | <10 | -- |
| A-4 | 11/18/2005 | | 59.59 | 9.45 | -- | 50.14 | 1,300 | 23 | <2.5 | 7.2 | 11 | 310 | 1,400 | <2.5 | <2.5 | 98 | <600 | <2.5 | <2.5 | <2.5 | 1.4 |
| A-4 | 2/15/2006 | | 59.59 | 7.12 | -- | 52.47 | 2,200 | 46 | <2.5 | 29 | 7.0 | 910 | 2,700 | <2.5 | <2.5 | 270 | <1,500 | <2.5 | <2.5 | <2.5 | 0.9 |
| A-4 | 5/30/2006 | | 59.59 | 7.95 | -- | 51.64 | 3,300 | 95 | <10 | 55 | <10 | 1,200 | 3,000 | <10 | <10 | 340 | <6,000 | <10 | <10 | <10 | 1.76 |
| A-4 | 8/11/2006 | | 59.59 | 9.50 | -- | 50.09 | 350 | 93 | <10 | <10 | <10 | 1,200 | 3,200 | <10 | <10 | 350 | <6,000 | <10 | <10 | <10 | 1.4 |
| A-4 | 11/1/2006 | | 59.59 | 9.93 | -- | 49.66 | 1,300 | <10 | <10 | <10 | <10 | 360 | 1,700 | <10 | <10 | 95 | <6,000 | -- | <10 | <10 | 4.56 |
| A-4 | 2/7/2007 | | 59.59 | 8.82 | -- | 50.77 | 4,900 | 85 | <10 | 40 | <10 | 1,500 | 3,000 | <10 | <10 | 460 | <6,000 | <10 | <10 | <10 | 0.72 |
| A-4 | 5/9/2007 | | 59.59 | 7.56 | -- | 52.03 | 1,700 | 19 | <10 | <10 | <10 | 340 | 2,200 | <10 | <10 | 91 | <6,000 | <10 | <10 | <10 | 3.00 |
| A-4 | 8/7/2007 | | 59.59 | 9.80 | -- | 49.79 | 2,700 | 69 | <5.0 | <5.0 | <5.0 | 510 | 1,800 | <5.0 | <5.0 | 140 | <3,000 | <5 | <5 | <5 | 1.04 |
| A-4 | 11/14/2007 | | 59.59 | 8.65 | -- | 50.94 | 500 | 4.9 | <0.50 | <0.50 | <0.50 | 280 | 600 | <0.50 | <0.50 | 90 | <300 | <0.5 | <0.5 | <0.5 | 1.27 |
| A-4 | 2/28/2008 | | 59.59 | 6.15 | -- | 53.44 | 850 | 17 | <0.50 | 4.4 | 1.4 | 350 | 1,600 | <0.50 | <0.50 | 73 | <300 | <0.5 | <0.5 | <0.5 | 1.76 |
| A-4 | 5/23/2008 | | 59.59 | 9.40 | -- | 50.19 | 1,900 | 75 | <20 | <20 | <20 | 1,000 | 2,500 | <20 | <20 | 270 | <12,000 | <20 | <20 | <20 | 1.28 |
| A-4 | 8/13/2008 | | 59.59 | 9.92 | -- | 49.67 | 3,100 | 47 | <10 | <10 | <10 | 530 | 3,200 | <10 | <10 | 190 | <6,000 | <10 | <10 | <10 | 0.89 |
| A-4 | 11/19/2008 | | 59.59 | 9.19 | -- | 50.40 | 1,800 | 70 | <10 | 21 | <10 | 430 | 2,000 | <10 | <10 | 140 | <6,000 | <10 | <10 | <10 | 0.83 |
| A-4 | 2/10/2009 | | 59.59 | 7.68 | -- | 51.91 | 1,900 | 33 | <10 | 14 | <10 | 400 | 2,300 | <10 | <10 | 120 | <6,000 | <10 | <10 | <10 | 0.87 |
| A-4 | 5/7/2009 | | 59.59 | 7.31 | -- | 52.28 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 9.9 | 11 | <0.50 | <0.50 | 2.0 | <300 | <0.5 | <0.5 | <0.5 | 2.40 |
| A-4 | 9/3/2009 | | 59.59 | 10.02 | -- | 49.57 | 3,800 | 49 | <10 | <10 | <10 | 360 | 3,200 | <10 | <10 | 120 | <6,000 | <10 | <10 | <10 | 0.79 |
| A-4 | 3/23/2010 | | 59.59 | 6.62 | -- | 52.97 | 1,000 | 17 | <0.50 | 1.3 | 150 | 1,600 | <0.50 | <0.50 | 45 | <100 | <0.5 | <0.5 | <0.5 | -- | |
| A-4 | 8/16/2010 | | 59.59 | 9.85 | -- | 49.74 | 1,600 | 18 | 0.50 | 0.56 | <1.0 | 160 | 3,400 | <0.50 | <0.50 | 47 | <100 | <0.5 | <0.5 | <0.5 | -- |
| A-4 | 3/18/2011 | | 59.59 | 5.34 | -- | 54.25 | 490 | 9.9 | <0.50 | 1.9 | <1.0 | 66 | 1,400 | <0.50 | <0.50 | 18 | <250 | <0.5 | <0.5 | <0.5 | -- |
| A-4 | 8/18/2011 | | 59.59 | 9.08 | -- | 50.51 | 650 | 1.9 | <0.50 | <0.50 | <1.0 | 53 | 1,400 | <0.50 | <0.50 | 15 | <250 | <0.5 | <0.5 | <0.5 | -- |
| A-4 | 2/29/2012 | | 59.59 | 6.70 | -- | 52.89 | 1,300 | 12 | <0.50 | 4.2 | 1.1 | 140 | 2,200 | <0.50 | <0.50 | 38 | <250 | <0.5 | <0.5 | <0.5 | -- |
| A-4 | 8/24/2012 | | 59.59 | 9.95 | -- | 49.64 | 720 | <0.50 | <0.50 | <0.50 | <1.0 | 5.7 | 370 | <0.50 | <0.50 | <0.50 | <250 | <0.5 | <0.5 | <0.5 | -- |
| A-4 | 2/8/2013 | | 59.59 | 7.05 | -- | 52.54 | 890 | 5.0 | <0.50 | 1.6 | <1.0 | -- | 1,600 | <0.50 | <0.50 | 19 | <250 | <0.5 | <0.5 | <0.5 | -- |
| A-4 | 8/7/2013 | | 59.59 | 9.26 | -- | 50.33 | 1,500 | 2.7 | <0.50 | <0.50 | <1.0 | 56 | 1,600 | <0.50 | <0.50 | 16 | <250 | <0.50 | <0.50 | <0.50 | 1.53 |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| A-5 | 6/21/2000 | | 54.17 | 9.29 | -- | 44.88 | 980 | <0.5 | <0.5 | <0.5 | <1.0 | 2,000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 9/20/2000 | | 54.17 | 10.23 | -- | 43.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 12/26/2000 | | 54.17 | 9.65 | -- | 44.52 | 525 | <0.5 | <0.5 | <0.5 | <0.5 | 1,200 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 3/20/2001 | | 54.17 | 8.05 | -- | 46.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 6/12/2001 | | 54.17 | 9.81 | -- | 44.36 | 830 | <5.0 | <5.0 | <5.0 | <5.0 | 3,200 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 9/23/2001 | | 54.17 | 10.42 | -- | 43.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 12/31/2001 | | 54.17 | 6.03 | -- | 48.14 | 320 | <0.5 | <0.5 | <0.5 | <0.5 | 60 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 3/21/2002 | | 54.17 | 6.71 | -- | 47.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 4/17/2002 | | 54.17 | 8.01 | -- | 46.16 | 1,600 | <10 | <10 | <10 | <10 | 3,200 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/12/2002 | | 54.17 | 9.87 | -- | 44.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 12/6/2002 | | 54.17 | 9.66 | -- | 44.51 | 310 | <0.50 | <0.50 | <0.50 | <0.50 | 330 | -- | -- | -- | -- | -- | -- | -- | 1.9 | -- |
| A-5 | 1/30/2003 | | 54.17 | 7.67 | -- | 46.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 5/28/2003 | | 54.17 | 8.56 | -- | 45.61 | <5,000 | <50 | <50 | <50 | <50 | 1,500 | <2,000 | <50 | <50 | 620 | <10,000 | -- | -- | 1.6 | -- |
| A-5 | 8/6/2003 | | 54.17 | 9.58 | -- | 44.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 11/14/2003 | | 54.17 | 9.81 | -- | 44.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/2/2004 | | 58.78 | 7.43 | -- | 51.35 | 390 | <2.5 | 9.2 | <2.5 | 2.6 | 140 | 170 | <2.5 | <2.5 | 54 | <500 | <2.5 | <2.5 | 1.0 | -- |
| A-5 | 5/4/2004 | | 58.78 | 9.98 | -- | 48.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 9/2/2004 | | 58.78 | 9.65 | -- | 49.13 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 66 | 150 | <2.5 | <2.5 | 29 | <500 | <2.5 | <2.5 | 1.1 | -- |
| A-5 | 11/10/2004 | | 58.78 | 8.48 | -- | 50.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/2/2005 | | 58.78 | 7.10 | -- | 51.68 | 68 | <0.50 | <0.50 | <0.50 | <0.50 | 17 | 840 | <0.50 | <0.50 | 7.6 | <100 | <0.5 | <0.5 | 1.0 | -- |
| A-5 | 5/9/2005 | | 58.78 | 7.20 | -- | 51.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/11/2005 | | 58.78 | 9.21 | -- | 49.57 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.8 | 530 | <0.50 | <0.50 | 7.1 | <100 | <0.5 | <0.5 | 1.3 | -- |
| A-5 | 11/18/2005 | | 58.78 | 9.10 | -- | 49.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/15/2006 | | 58.78 | 7.16 | -- | 51.62 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.1 | 460 | <0.50 | <0.50 | 4.2 | <300 | <0.5 | <0.5 | 1.2 | -- |
| A-5 | 5/30/2006 | | 58.78 | 7.87 | -- | 50.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/11/2006 | | 58.78 | 8.90 | -- | 49.88 | 920 | <0.50 | <0.50 | <0.50 | <0.50 | 12 | 1,100 | <0.50 | <0.50 | 5.0 | <300 | <0.5 | <0.5 | 1.4 | -- |
| A-5 | 11/1/2006 | | 58.78 | 9.30 | -- | 49.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/7/2007 | | 58.78 | 8.50 | -- | 50.28 | 60 | <0.50 | <0.50 | <0.50 | <0.50 | 1.5 | 600 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.73 | -- |
| A-5 | 5/9/2007 | | 58.78 | 7.60 | -- | 51.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/7/2007 | | 58.78 | 9.30 | -- | 49.48 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.81 | 79 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.41 | -- |
| A-5 | 11/14/2007 | | 58.78 | 8.48 | -- | 50.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/28/2008 | | 58.78 | 6.21 | -- | 52.57 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.97 | 230 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 2.24 | -- |
| A-5 | 5/23/2008 | | 58.78 | 8.97 | -- | 49.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/13/2008 | | 58.78 | 9.42 | -- | 49.36 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.69 | 33 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.62 | -- |
| A-5 | 11/19/2008 | | 58.78 | 8.91 | -- | 49.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/10/2009 | | 58.78 | 7.80 | -- | 50.98 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.6 | 18 | <0.50 | <0.50 | 0.59 | <300 | <0.5 | <0.5 | 0.85 | -- |
| A-5 | 5/7/2009 | | 58.78 | 7.37 | -- | 51.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 9/3/2009 | | 58.78 | 9.33 | -- | 49.45 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 20 | <10 | <0.50 | <0.50 | 9.1 | <300 | <0.5 | <0.5 | 0.91 | -- |
| A-5 | 3/23/2010 | | 58.78 | 6.84 | -- | 51.94 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | 33 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | -- |
| A-5 | 8/16/2010 | | 58.78 | 8.85 | -- | 49.93 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 7.9 | 35 | <0.50 | <0.50 | 3.1 | <100 | <0.5 | <0.5 | -- | -- |
| A-5 | 3/18/2011 | | 58.78 | 5.45 | -- | 53.33 | <50 | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/18/2011 | | 58.78 | 8.37 | -- | 50.41 | <50 | -- | -- | -- | -- | 0.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/29/2012 | | 58.78 | 8.12 | -- | 50.66 | <50 | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/24/2012 | | 58.78 | 9.15 | -- | 49.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 2/8/2013 | | 58.78 | 7.65 | -- | 51.13 | <2,500 | -- | -- | -- | -- | 240 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-5 | 8/7/2013 | | 58.78 | 9.02 | -- | 49.76 | <50 | -- | -- | -- | -- | 13 | -- | -- | -- | -- | -- | -- | -- | -- | 2.16 |
| A-6 | 6/21/2000 | | 55.17 | 8.67 | -- | 46.50 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <3.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 9/20/2000 | | 55.17 | 9.34 | -- | 45.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 12/26/2000 | | 55.17 | 8.65 | -- | 46.52 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 3/20/2001 | | 55.17 | 6.84 | -- | 48.33 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 6/12/2001 | | 55.17 | 8.93 | -- | 46.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 9/23/2001 | | 55.17 | 9.74 | -- | 45.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 12/31/2001 | | 55.17 | 4.81 | -- | 50.36 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 3/21/2002 | | 55.17 | 5.44 | -- | 49.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 4/17/2002 | | 55.17 | 6.95 | -- | 48.22 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.1 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 8/12/2002 | | 55.17 | 8.90 | -- | 46.27 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | 4.3 |
| A-7 | 6/21/2000 | | 54.71 | 8.58 | -- | 46.13 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <3.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-7 | 9/20/2000 | | 54.71 | 9.19 | -- | 45.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-7 | 12/26/2000 | | 54.71 | 8.50 | -- | 46.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-7 | 3/20/2001 | | 54.71 | 6.75 | -- | 47.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| A-7 | 6/12/2001 | | 54.71 | 8.80 | -- | 45.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| A-7 | 9/23/2001 | | 54.71 | 9.59 | -- | 45.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 12/31/2001 | | 54.71 | 4.78 | -- | 49.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 3/21/2002 | | 54.71 | 5.35 | -- | 49.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 4/17/2002 | | 54.71 | 6.88 | -- | 47.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/12/2002 | | 54.71 | 8.77 | -- | 45.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 12/6/2002 | | 54.71 | 9.07 | -- | 45.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 1/30/2003 | | 54.71 | 6.65 | -- | 48.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/28/2003 | | 54.71 | 7.63 | -- | 47.08 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.8 | <20 | <0.50 | <0.50 | 0.94 | <100 | -- | -- | 2.3 | |
| A-7 | 8/6/2003 | | 54.71 | 8.90 | -- | 45.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 11/14/2003 | | 54.71 | 9.08 | -- | 45.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/2/2004 | | 59.75 | 5.96 | -- | 53.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/4/2004 | | 59.75 | 8.21 | -- | 51.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 9/2/2004 | | 59.75 | 9.02 | -- | 50.73 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 8.9 | <20 | <0.50 | <0.50 | 3.0 | <100 | <0.5 | <0.5 | 3.0 | |
| A-7 | 11/10/2004 | | 59.75 | 7.50 | -- | 52.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/2/2005 | | 59.75 | 6.10 | -- | 53.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/9/2005 | | 59.75 | 6.48 | -- | 53.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/11/2005 | | 59.75 | 8.45 | -- | 51.30 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 18 | <20 | <0.50 | <0.50 | 4.4 | <100 | <0.5 | <0.5 | 1.6 | |
| A-7 | 11/18/2005 | | 59.75 | 8.65 | -- | 51.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/15/2006 | | 59.75 | 6.51 | -- | 53.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/30/2006 | | 59.75 | 7.13 | -- | 52.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/11/2006 | | 59.75 | 8.46 | -- | 51.29 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.6 | <20 | <0.50 | <0.50 | 0.91 | <300 | <0.5 | 0.54 | 1.7 | |
| A-7 | 11/1/2006 | | 59.75 | 8.99 | -- | 50.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/7/2007 | | 59.75 | 8.12 | -- | 51.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/9/2007 | | 59.75 | 7.04 | -- | 52.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/7/2007 | | 59.75 | 9.10 | -- | 50.65 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.7 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.34 | |
| A-7 | 11/14/2007 | | 59.75 | 8.00 | -- | 51.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/28/2008 | | 59.75 | 5.81 | -- | 53.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/23/2008 | | 59.75 | 8.74 | -- | 51.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/13/2008 | | 59.75 | 9.27 | -- | 50.48 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.05 | |
| A-7 | 11/19/2008 | | 59.75 | 8.67 | -- | 51.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/10/2009 | | 59.75 | 7.47 | -- | 52.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 5/7/2009 | | 59.75 | 6.88 | -- | 52.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 9/3/2009 | | 59.75 | 9.25 | -- | 50.50 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.93 | |
| A-7 | 3/23/2010 | | 59.75 | 6.33 | -- | 53.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/16/2010 | | 59.75 | 9.13 | -- | 50.62 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | |
| A-7 | 3/18/2011 | | 59.75 | 5.20 | -- | 54.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/18/2011 | | 59.75 | 8.54 | -- | 51.21 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/29/2012 | | 59.75 | 8.00 | -- | 51.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/24/2012 | | 59.75 | 9.06 | -- | 50.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 8/31/2012 | | 59.75 | 9.04 | -- | 50.71 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 2/8/2013 | | 59.75 | 7.44 | -- | 52.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-7 | 8/7/2013 | | 59.75 | 8.96 | -- | 50.79 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | 2.07 | |
| A-8 | 6/21/2000 | | 53.77 | 9.07 | -- | 44.70 | 810 | <0.5 | <0.5 | 810 | 1,500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 9/20/2000 | | 53.77 | 9.72 | -- | 44.05 | 10,800 | 2,680 | 46 | 439 | 370 | 4,410 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 12/26/2000 | | 53.77 | 9.20 | -- | 44.67 | 7,700 | 1,440 | <50 | 202 | 106 | 2,230 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 3/20/2001 | | 53.77 | 7.51 | -- | 46.26 | <5,000 | 1,280 | <50 | 53.9 | <50 | 2,880 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 6/12/2001 | | 53.77 | 9.53 | -- | 44.24 | 5,600 | 1,700 | <50 | 61 | 54 | 2,900 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 9/23/2001 | | 53.77 | 10.08 | -- | 43.69 | 10,000 | 3,500 | <50 | 110 | 64 | 6,500 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 12/31/2001 | | 53.77 | 4.34 | -- | 49.43 | 4,300 | 610 | <10 | 60 | 24 | 520 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 3/21/2002 | | 53.77 | 6.67 | -- | 47.10 | 6,600 | 1,400 | <50 | 130 | <50 | 2,700 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 4/17/2002 | | 53.77 | 7.72 | -- | 46.05 | 3,800 | 540 | <10 | <10 | 12 | 3,100 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-8 | 8/12/2002 | | 53.77 | 9.64 | -- | 44.13 | 9,400 | 1,800 | <20 | 35 | 28 | 4,200 | -- | -- | -- | -- | -- | -- | -- | 1 | |
| A-8 | 12/6/2002 | | 53.77 | 9.62 | -- | 44.15 | 5,300 | 1,100 | 11 | 11 | <10 | 2,200 | -- | -- | -- | -- | -- | -- | -- | 1.4 | |
| A-8 | 1/30/2003 | | 53.77 | 7.49 | -- | 46.28 | <10,000 | 1,100 | <100 | <100 | <100 | 2,200 | <4,000 | <100 | <100 | 900 | <8,000 | -- | -- | 1.5 | |
| A-8 | 5/28/2003 | | 53.77 | 9.17 | -- | 44.60 | 7,700 | 1,700 | <50 | <50 | <50 | 2,100 | <2,000 | <50 | <50 | 1,100 | <10,000 | -- | -- | 1 | |
| A-8 | 8/6/2003 | | 53.77 | 9.67 | -- | 44.10 | 13,000 | 2,400 | <50 | <50 | <50 | 3,000 | <2,000 | <50 | <50 | 1,200 | <10,000 | <50 | <50 | 0.9 | |
| A-8 | 11/14/2003 | | 53.77 | 9.80 | -- | 43.97 | 3,100 | 570 | <5.0 | <5.0 | <5.0 | 850 | <200 | <5.0 | <5.0 | 320 | <1,000 | -- | -- | 2.3 | |
| A-8 | 2/2/2004 | | 58.70 | 7.10 | -- | 51.60 | 3,900 | 300 | <25 | <25 | <25 | 1,100 | <1,000 | <25 | <25 | 380 | <5,000 | <25 | <25 | 1.1 | |
| A-8 | 5/4/2004 | | 58.70 | 9.44 | -- | 49.26 | <5,000 | 490 | <50 | <50 | <50 | 1,600 | <2,000 | <50 | <50 | 440 | <10,000 | <50 | <50 | 1.0 | |
| A-8 | 9/2/2004 | | 58.70 | 9.67 | -- | 49.03 | <2,500 | 30 | <25 | <25 | <25 | 680 | <1,000 | <25 | <25 | 170 | <5,000 | <25 | <25 | 1.0 | |
| A-8 | 11/10/2004 | | 58.70 | 8.15 | -- | 50.55 | 580 | 61 | <2.5 | <2.5 | <2.5 | 290 | <100 | <2.5 | <2.5 | 66 | <500 | <2.5 | <2.5 | 1.5 | |
| A-8 | 2/2/2005 | | 58.70 | 6.53 | -- | 52.17 | 5,000 | 890 | <25 | <25 | <25 | 1,900 | <1,000 | <25 | <25 | 510 | <5,000 | <25 | <25 | 1.0 | |
| A-8 | 5/9/2005 | | 58.70 | 6.31 | -- | 52.39 | 69 | 0.90 | <0.50 | <0.50 | <0.50 | 66 | <20 | <0.50 | <0.50 | 2.9 | <100 | <0.5 | <0.5 | 4.1 | |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| A-8 | 8/11/2005 | | 58.70 | 9.15 | -- | 49.55 | 1,400 | 1,300 | <12 | <12 | <12 | 1,100 | <500 | <12 | <12 | 310 | <2,500 | <12 | <12 | 0.7 | |
| A-8 | 11/18/2005 | | 58.70 | 8.89 | -- | 49.81 | 1,200 | 420 | <5.0 | <5.0 | <5.0 | 340 | <200 | <5.0 | <5.0 | 120 | <1,000 | <5 | <5 | 0.7 | |
| A-8 | 2/15/2006 | | 58.70 | 6.34 | -- | 52.36 | 3,200 | 970 | <10 | <10 | <10 | 1,100 | 880 | <10 | <10 | 330 | <6,000 | <10 | <10 | 0.9 | |
| A-8 | 5/30/2006 | | 58.70 | 7.53 | -- | 51.17 | 510 | 210 | <2.5 | <2.5 | <2.5 | 140 | <100 | <2.5 | <2.5 | 43 | <1,500 | <2.5 | <2.5 | 2.6 | |
| A-8 | 8/11/2006 | | 58.70 | 8.90 | -- | 49.80 | 1,300 | 500 | <5.0 | <5.0 | <5.0 | 290 | <200 | <5.0 | <5.0 | 92 | <3,000 | <5 | <5 | 0.7 | |
| A-8 | 11/1/2006 | | 58.70 | 9.15 | -- | 49.55 | 4,800 | 790 | 6.6 | <5.0 | <5.0 | 910 | 1,200 | <5.0 | <5.0 | 250 | <3,000 | <5 | <5 | 1.72 | |
| A-8 | 2/7/2007 | | 58.70 | 8.48 | -- | 50.22 | 7,600 | 2,300 | <25 | <25 | <25 | 1,200 | <1,000 | <25 | <25 | 330 | <15,000 | <25 | <25 | 1.25 | |
| A-8 | 5/9/2007 | | 58.70 | 7.25 | -- | 51.45 | 750 | 180 | <2.5 | <2.5 | <2.5 | 55 | <100 | <2.5 | <2.5 | 16 | <1,500 | <2.5 | <2.5 | 1.75 | |
| A-8 | 8/7/2007 | | 58.70 | 9.17 | -- | 49.53 | 2,100 | 700 | 4.0 | <2.5 | <2.5 | 430 | 140 | <2.5 | <2.5 | 160 | <1,500 | <2.5 | <2.5 | 0.77 | |
| A-8 | 11/14/2007 | | 58.70 | 7.77 | -- | 50.93 | 990 | 300 | 2.5 | 0.68 | 0.96 | 100 | 28 | <0.50 | <0.50 | 44 | <300 | <0.5 | <0.5 | 1.01 | |
| A-8 | 2/28/2008 | | 58.70 | 5.14 | -- | 53.56 | 2,100 | 670 | <5.0 | <5.0 | <5.0 | 220 | 230 | <5.0 | <5.0 | 72 | <3,000 | <5 | <5 | 1.67 | |
| A-8 | 8/13/2008 | | 58.70 | 9.48 | -- | 49.22 | 3,100 | 970 | <25 | <25 | <25 | 250 | <500 | <25 | <25 | 86 | <15,000 | <25 | <25 | 0.84 | |
| A-8 | 11/19/2008 | | 58.70 | 8.87 | -- | 49.83 | 3,800 | 1,000 | <20 | <20 | <20 | 230 | <400 | <20 | <20 | 100 | <12,000 | <20 | <20 | 0.89 | |
| A-8 | 2/10/2009 | | 58.70 | 7.11 | -- | 51.59 | 3,600 | 1,300 | <25 | <25 | <25 | 320 | <500 | <25 | <25 | 120 | <15,000 | <25 | <25 | 0.89 | |
| A-8 | 5/7/2009 | | 58.70 | 6.47 | -- | 52.23 | 270 | 65 | <1.0 | <1.0 | <1.0 | 12 | 20 | <1.0 | <1.0 | 3.3 | <600 | <1 | <1 | 0.97 | |
| A-8 | 9/3/2009 | | 58.70 | 9.47 | -- | 49.23 | 3,200 | 1,400 | <25 | <25 | <25 | 100 | <500 | <25 | <25 | 52 | <15,000 | <25 | <25 | 0.87 | |
| A-8 | 3/23/2010 | | 58.70 | 6.12 | -- | 52.58 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | |
| A-8 | 8/16/2010 | | 58.70 | 9.27 | -- | 49.43 | 4,300 | 1,600 | 12 | 5.3 | 6.1 | 110 | <4.0 | <0.50 | <0.50 | 41 | <100 | <0.5 | <0.5 | -- | |
| A-8 | 3/18/2011 | | 58.70 | 5.01 | -- | 53.69 | 2,000 | 620 | 4.7 | 0.96 | 1.4 | 87 | 220 | <0.50 | <0.50 | 43 | <250 | <0.5 | <0.5 | -- | |
| A-8 | 8/18/2011 | | 58.70 | 8.76 | -- | 49.94 | 3,300 | 1,500 | 13 | 5.4 | <10 | 120 | <40 | <5.0 | <5.0 | 57 | <2,500 | <5 | <5 | -- | |
| A-8 | 2/29/2012 | | 58.70 | 8.19 | -- | 50.51 | 3,400 | 1,700 | 10 | 3.4 | 3.9 | 160 | 460 | <0.50 | <0.50 | 71 | <250 | <0.5 | <0.5 | -- | |
| A-8 | 8/24/2012 | | 58.70 | 9.44 | -- | 49.26 | 3,700 | 1,800 | <25 | <25 | <50 | 64 | 220 | <25 | <25 | 33 | <13,000 | <25 | <25 | -- | |
| A-8 | 2/8/2013 | | 58.70 | 7.35 | -- | 51.35 | <50 | 6.0 | <0.50 | <0.50 | <1.0 | -- | <4.0 | <0.50 | <0.50 | 0.92 | <250 | <0.5 | <0.5 | -- | |
| A-8 | 8/7/2013 | | 58.70 | 9.20 | -- | 49.50 | 1,400 | 940 | 5.5 | 1.6 | 1.5 | 27 | 67 | <0.50 | <0.50 | 14 | <250 | <0.50 | <0.50 | 2.20 | |
| A-9 | 6/21/2000 | | 53.04 | 8.56 | -- | 44.48 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 9/20/2000 | | 53.04 | 9.05 | -- | 43.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 12/26/2000 | | 53.04 | 8.49 | -- | 44.55 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 3/20/2001 | | 53.04 | 6.95 | -- | 46.09 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 6/12/2001 | | 53.04 | 8.67 | -- | 44.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 4.8 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 9/23/2001 | | 53.04 | 9.21 | -- | 43.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 12/31/2001 | | 53.04 | 4.57 | -- | 48.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 3/21/2002 | | 53.04 | 5.60 | -- | 47.44 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 4/17/2002 | | 53.04 | 6.89 | -- | 46.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/12/2002 | | 53.04 | 8.71 | -- | 44.33 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | -- | -- | -- | -- | -- | -- | -- | 4 | |
| A-9 | 12/6/2002 | | 53.04 | 8.77 | -- | 44.27 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | -- | -- | -- | -- | -- | -- | -- | 1.1 | |
| A-9 | 1/30/2003 | | 53.04 | 6.88 | -- | 46.16 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.1 | <20 | <0.50 | <0.50 | <0.50 | <40 | -- | -- | 0.9 | |
| A-9 | 5/28/2003 | | 53.04 | 9.75 | -- | 43.29 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.74 | <20 | <0.50 | <0.50 | <0.50 | <100 | -- | -- | 1.9 | |
| A-9 | 8/6/2003 | | 53.04 | 9.00 | -- | 44.04 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.8 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 2.2 | |
| A-9 | 11/14/2003 | | 53.04 | 8.82 | -- | 44.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/2/2004 | | 57.73 | 7.10 | -- | 50.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 5/4/2004 | | 57.73 | 8.12 | -- | 49.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 9/2/2004 | | 57.73 | 8.78 | -- | 48.95 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 6.6 | |
| A-9 | 11/10/2004 | | 57.73 | 7.88 | -- | 49.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/2/2005 | | 57.73 | 6.40 | -- | 51.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 5/9/2005 | | 57.73 | 6.82 | -- | 50.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/11/2005 | | 57.73 | 8.37 | -- | 49.36 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.5 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 1.8 | |
| A-9 | 11/18/2005 | | 57.73 | 8.24 | -- | 49.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/15/2006 | | 57.73 | 6.38 | -- | 51.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 5/30/2006 | | 57.73 | 7.17 | -- | 50.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/11/2006 | | 57.73 | 8.20 | -- | 49.53 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.6 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.02 | |
| A-9 | 11/1/2006 | | 57.73 | 8.90 | -- | 48.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/7/2007 | | 57.73 | 7.83 | -- | 49.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 5/9/2007 | | 57.73 | 6.92 | -- | 50.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/7/2007 | | 57.73 | 8.58 | -- | 49.15 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.64 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.81 | |
| A-9 | 11/14/2007 | | 57.73 | 7.77 | -- | 49.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/28/2008 | | 57.73 | 5.61 | -- | 52.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/13/2008 | | 57.73 | 8.65 | -- | 49.08 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.55 | |
| A-9 | 11/19/2008 | | 57.73 | 8.49 | -- | 49.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/10/2009 | | 57.73 | 7.07 | -- | 50.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 5/7/2009 | | 57.73 | 6.65 | -- | 51.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 9/3/2009 | | 57.73 | 8.56 | -- | 49.17 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.89 | |
| A-9 | 3/23/2010 | | 57.73 | 5.98 | -- | 51.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/16/2010 | | 57.73 | 8.32 | -- | 49.41 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes | |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|----------------------------|
| A-9 | 3/18/2011 | | 57.73 | 4.40 | -- | 53.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/18/2011 | | 57.73 | 7.94 | -- | 49.79 | -- | -- | -- | -- | -- | <0.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 2/29/2012 | | 57.73 | 7.48 | -- | 50.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-9 | 8/24/2012 | | 57.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (Dry) |
| A-9 | 2/8/2013 | | 57.73 | 6.63 | -- | 51.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-9 | 8/7/2013 | | 57.73 | 8.08 | -- | 49.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NS - Obstruction in well) |
| A-10 | 6/21/2000 | | 54.26 | 10.47 | -- | 43.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 9/20/2000 | | 54.26 | 10.76 | -- | 43.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 11/14/2003 | | 54.26 | 10.37 | -- | 43.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/2/2004 | | 59.39 | 7.97 | -- | 51.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 5/4/2004 | | 59.39 | 8.69 | -- | 50.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 9/2/2004 | | 59.39 | 10.55 | -- | 48.84 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 270 | <200 | <5.0 | <5.0 | 44 | <1,000 | <5 | <5 | 0.8 | | |
| A-10 | 11/10/2004 | | 59.39 | 9.16 | -- | 50.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/2/2005 | | 59.39 | 7.90 | -- | 51.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 5/9/2005 | | 59.39 | 8.21 | -- | 51.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/11/2005 | | 59.39 | 10.02 | -- | 49.37 | 69 | <0.50 | <0.50 | <0.50 | <0.50 | 97 | <20 | <0.50 | <0.50 | 14 | <100 | <0.5 | <0.5 | 0.9 | | |
| A-10 | 11/18/2005 | | 59.39 | 9.86 | -- | 49.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/15/2006 | | 59.39 | 7.53 | -- | 51.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 5/30/2006 | | 59.39 | 8.82 | -- | 50.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/11/2006 | | 59.39 | 9.88 | -- | 49.51 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 46 | <20 | <0.50 | <0.50 | 7.3 | <300 | <0.5 | <0.5 | 1.3 | | |
| A-10 | 11/1/2006 | | 59.39 | 10.28 | -- | 49.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/7/2007 | | 59.39 | 9.50 | -- | 49.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 5/9/2007 | | 59.39 | 8.67 | -- | 50.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/7/2007 | | 59.39 | 10.25 | -- | 49.14 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 8.9 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.59 | | |
| A-10 | 11/14/2007 | | 59.39 | 9.48 | -- | 49.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/28/2008 | | 59.39 | 7.23 | -- | 52.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 5/23/2008 | | 59.39 | 9.94 | -- | 49.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/13/2008 | | 59.39 | 10.30 | -- | 49.09 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 28 | <10 | <0.50 | <0.50 | 6.9 | <300 | <0.5 | <0.5 | 0.74 | | |
| A-10 | 11/19/2008 | | 59.39 | 9.90 | -- | 49.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/10/2009 | | 59.39 | 8.74 | -- | 50.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 5/7/2009 | | 59.39 | 8.23 | -- | 51.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 3/23/2010 | | 59.39 | 7.65 | -- | 51.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/16/2010 | | 59.39 | 10.05 | -- | 49.34 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 3.9 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | | |
| A-10 | 3/18/2011 | | 59.39 | 6.52 | -- | 52.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/18/2011 | | 59.39 | 9.58 | -- | 49.81 | -- | -- | -- | -- | -- | 2.1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/29/2012 | | 59.39 | 9.02 | -- | 50.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 8/24/2012 | | 59.39 | 10.03 | -- | 49.36 | -- | -- | -- | -- | -- | 1.8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 2/8/2013 | | 59.39 | 8.30 | -- | 51.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-10 | 8/7/2013 | | 59.39 | 9.95 | -- | 49.44 | -- | -- | -- | -- | -- | 20 | -- | -- | -- | -- | -- | -- | -- | -- | 1.63 | |
| A-11 | 6/21/2000 | | 53.74 | 9.54 | -- | 44.20 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 9/20/2000 | | 53.74 | 10.62 | -- | 43.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 12/26/2000 | | 53.74 | 10.03 | -- | 43.71 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 3/20/2001 | | 53.74 | 8.49 | -- | 45.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 6/12/2001 | | 53.74 | 10.21 | -- | 43.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 9/23/2001 | | 53.74 | 10.77 | -- | 42.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 12/31/2001 | | 53.74 | 6.06 | -- | 47.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 3/21/2002 | | 53.74 | 7.14 | -- | 46.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 4/17/2002 | | 53.74 | 8.41 | -- | 45.33 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 8/12/2002 | | 53.74 | 10.25 | -- | 43.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 12/6/2002 | | 53.74 | 10.43 | -- | 43.31 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | -- | -- | -- | -- | -- | -- | -- | -- | 2.4 | |
| A-11 | 1/30/2003 | | 53.74 | 8.42 | -- | 45.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/28/2003 | | 53.74 | 9.30 | -- | 44.44 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.53 | <20 | <0.50 | <0.50 | <0.50 | <100 | -- | -- | 1.8 | | |
| A-11 | 8/6/2003 | | 53.74 | 10.28 | -- | 43.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 11/14/2003 | | 53.74 | 10.40 | -- | 43.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 2/2/2004 | | 59.16 | 7.95 | -- | 51.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/4/2004 | | 59.16 | 8.72 | -- | 50.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 9/2/2004 | | 59.16 | 10.44 | -- | 48.72 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 2.6 | | |
| A-11 | 11/10/2004 | | 59.16 | 9.20 | -- | 49.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 2/2/2005 | | 59.16 | 7.95 | -- | 51.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/9/2005 | | 59.16 | 8.07 | -- | 51.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|-------|
| A-11 | 8/11/2005 | | 59.16 | 9.87 | -- | 49.29 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 3.8 | |
| A-11 | 11/18/2005 | | 59.16 | 8.88 | -- | 50.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 2/15/2006 | | 59.16 | 7.90 | -- | 51.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/30/2006 | | 59.16 | 8.78 | -- | 50.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 8/11/2006 | | 59.16 | 10.33 | -- | 48.83 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 3.8 | |
| A-11 | 11/1/2006 | | 59.16 | 10.10 | -- | 49.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 2/7/2007 | | 59.16 | 9.35 | -- | 49.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/9/2007 | | 59.16 | 8.48 | -- | 50.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 8/7/2007 | | 59.16 | 10.10 | -- | 49.06 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 2.67 | |
| A-11 | 11/14/2007 | | 59.16 | 9.31 | -- | 49.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 2/28/2008 | | 59.16 | 7.12 | -- | 52.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/23/2008 | | 59.16 | 9.77 | -- | 49.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 8/13/2008 | | 59.16 | 10.08 | -- | 49.08 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.89 | |
| A-11 | 11/19/2008 | | 59.16 | 9.75 | -- | 49.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 2/10/2009 | | 59.16 | 8.67 | -- | 50.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 5/7/2009 | | 59.16 | 8.20 | -- | 50.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 9/3/2009 | | 59.16 | 10.15 | -- | 49.01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 0.98 | |
| A-11 | 3/23/2010 | | 59.16 | 7.70 | -- | 51.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-11 | 8/16/2010 | | 59.16 | 9.90 | -- | 49.26 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <4.0 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | -- | |
| A-11 | 8/24/2012 | | 59.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (INA) |
| A-11 | 2/8/2013 | | 59.16 | 8.47 | -- | 50.69 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <4.0 | <0.50 | <0.50 | <0.50 | <250 | <0.5 | <0.5 | -- | |
| A-11 | 8/7/2013 | | 59.16 | 9.66 | -- | 49.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (NSP) |
| A-12 | 6/21/2000 | | 52.05 | 9.28 | -- | 42.77 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 18 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 9/20/2000 | | 52.05 | 9.55 | -- | 42.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 12/26/2000 | | 52.05 | 9.05 | -- | 43.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 17.3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 3/20/2001 | | 52.05 | 7.92 | -- | 44.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 6/12/2001 | | 52.05 | 9.26 | -- | 42.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 25 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 9/23/2001 | | 52.05 | 9.68 | -- | 42.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 12/31/2001 | | 52.05 | 5.74 | -- | 46.31 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 9.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 3/21/2002 | | 52.05 | 6.64 | -- | 45.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 4/17/2002 | | 52.05 | 7.68 | -- | 44.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 29 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 8/12/2002 | | 52.05 | 9.30 | -- | 42.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 12/6/2002 | | 52.05 | 9.38 | -- | 42.67 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 13 | -- | -- | -- | -- | -- | -- | -- | 2.3 | |
| A-12 | 1/30/2003 | | 52.05 | 7.87 | -- | 44.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 5/28/2003 | | 52.05 | 8.51 | -- | 43.54 | 50 | <0.50 | <0.50 | <0.50 | <0.50 | 10 | <20 | <0.50 | <0.50 | 2.5 | <100 | -- | -- | 1.4 | |
| A-12 | 8/6/2003 | | 52.05 | 9.28 | -- | 42.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 11/14/2003 | | 52.05 | 9.37 | -- | 42.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 2/2/2004 | | 57.06 | 7.90 | -- | 49.16 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.91 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 1.0 | |
| A-12 | 5/4/2004 | | 57.06 | 8.74 | -- | 48.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 9/2/2004 | | 57.06 | 9.41 | -- | 47.65 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.2 | <20 | <0.50 | <0.50 | 1.7 | <100 | <0.5 | <0.5 | 1.1 | |
| A-12 | 11/10/2004 | | 57.06 | 8.32 | -- | 48.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 2/2/2005 | | 57.06 | 7.45 | -- | 49.61 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 8.3 | <20 | <0.50 | <0.50 | 2.2 | <100 | <0.5 | <0.5 | 1.4 | |
| A-12 | 5/9/2005 | | 57.06 | 7.57 | -- | 49.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 8/11/2005 | | 57.06 | 9.05 | -- | 48.01 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.4 | <20 | <0.50 | <0.50 | 1.1 | <100 | <0.5 | <0.5 | 0.9 | |
| A-12 | 11/18/2005 | | 57.06 | 8.90 | -- | 48.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 2/15/2006 | | 57.06 | 7.47 | -- | 49.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 5/30/2006 | | 57.06 | 8.21 | -- | 48.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 8/11/2006 | | 57.06 | 8.85 | -- | 48.21 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 7.4 | <20 | <0.50 | <0.50 | 2.5 | <300 | <0.5 | <0.5 | 1.8 | |
| A-12 | 11/1/2006 | | 57.06 | 9.17 | -- | 47.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 2/7/2007 | | 57.06 | 8.58 | -- | 48.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 5/9/2007 | | 57.06 | 7.93 | -- | 49.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 8/7/2007 | | 57.06 | 9.20 | -- | 47.86 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.49 | |
| A-12 | 11/14/2007 | | 57.06 | 8.52 | -- | 48.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 2/28/2008 | | 57.06 | 7.04 | -- | 50.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 5/23/2008 | | 57.06 | 9.00 | -- | 48.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 8/13/2008 | | 57.06 | 9.38 | -- | 47.68 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <300 | <0.5 | <0.5 | 1.03 | |
| A-12 | 11/19/2008 | | 57.06 | 9.01 | -- | 48.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 2/10/2009 | | 57.06 | 8.10 | -- | 48.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 5/7/2009 | | 57.06 | 7.80 | -- | 49.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 9/3/2009 | | 57.06 | 9.40 | -- | 47.66 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.6 | <10 | <0.50 | <0.50 | 1.0 | <300 | <0.5 | <0.5 | 0.98 | |
| A-12 | 3/23/2010 | | 57.06 | 7.68 | -- | 49.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-12 | 8/16/2010 | | 57.06 | 9.30 | -- | 47.76 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 3.6 | <4.0 | <0.50 | <0.50 | 0.85 | <100 | <0.5 | <0.5 | -- | |
| A-12 | 8/24/2012 | | 57.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (INA) |

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------------|------|--------------|----------|-------------------------------|------------------|------------|----------|----------|----------|----------|-------------|------------|-------------|-------------|-------------|----------------|------------|----------------|-----------|----------------------------|
| A-12 | 2/8/2013 | | 57.06 | 8.38 | -- | 48.68 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 3.3 | <4.0 | <0.50 | <0.50 | 1.2 | <250 | <0.5 | <0.5 | -- | |
| A-12 | 8/7/2013 | | 57.06 | 9.37 | -- | 47.69 | -- | -- | -- | -- | -- | 2.0 | -- | -- | -- | -- | -- | -- | -- | 1.85 | |
| A-13 | 3/21/2002 | | 55.11 | 6.70 | -- | 48.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 4/17/2002 | | 55.11 | 7.95 | -- | 47.16 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/12/2002 | | 55.11 | 10.11 | -- | 45.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 12/6/2002 | | 55.11 | 10.26 | -- | 44.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 1/30/2003 | | 55.11 | 7.81 | -- | 47.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/28/2003 | | 55.11 | 9.06 | -- | 46.05 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | -- | -- | 1.9 | |
| A-13 | 8/6/2003 | | 55.11 | 10.22 | -- | 44.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 11/14/2003 | | 55.11 | 10.27 | -- | 44.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 2/2/2004 | | 60.26 | 7.92 | -- | 52.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/4/2004 | | 60.26 | 10.06 | -- | 50.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 9/2/2004 | | 60.26 | 10.34 | -- | 49.92 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <20 | <0.50 | <0.50 | <0.50 | <100 | <0.5 | <0.5 | 2.0 | |
| A-13 | 11/10/2004 | | 60.26 | 8.95 | -- | 51.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 2/2/2005 | | 60.26 | 7.28 | -- | 52.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/9/2005 | | 60.26 | 7.85 | -- | 52.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/11/2005 | | 60.26 | 9.70 | -- | 50.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 11/18/2005 | | 60.26 | 9.27 | -- | 50.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 2/15/2006 | | 60.26 | 7.24 | -- | 53.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/30/2006 | | 60.26 | 8.38 | -- | 51.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/11/2006 | | 60.26 | 9.55 | -- | 50.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 11/1/2006 | | 60.26 | 9.98 | -- | 50.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 2/7/2007 | | 60.26 | 9.07 | -- | 51.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/9/2007 | | 60.26 | 8.15 | -- | 52.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/7/2007 | | 60.26 | 10.05 | -- | 50.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 11/14/2007 | | 60.26 | 9.20 | -- | 51.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 2/28/2008 | | 60.26 | 6.82 | -- | 53.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/23/2008 | | 60.26 | 9.67 | -- | 50.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/13/2008 | | 60.26 | 10.17 | -- | 50.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 11/19/2008 | | 60.26 | 9.63 | -- | 50.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 2/10/2009 | | 60.26 | 8.48 | -- | 51.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 5/7/2009 | | 60.26 | 7.97 | -- | 52.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 9/3/2009 | | 60.26 | 10.14 | -- | 50.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 3/23/2010 | | 60.26 | 7.29 | -- | 52.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/16/2010 | | 60.26 | 9.92 | -- | 50.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 3/18/2011 | | 60.26 | 6.33 | -- | 53.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-13 | 8/24/2012 | | 60.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (Well has been paved over) |
| A-13 | 2/8/2013 | | 60.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (INA) |
| A-13 | 8/7/2013 | | 60.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | (INA) |

Notes:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
LNAPL = Light non-aqueous phase liquid
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = feet below ground surface
ft msl = feet above mean sea level
GRO = Gasoline range organics
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
GWE = Groundwater elevation measured in ft msl
µg/L = Micrograms per liter
mg/L = Milligrams per liter

Table 2
Historical and Current Groundwater Monitoring and Analytical Data
CA-04931
731 W Macarthur Blvd, Oakland, CA 94609

| Well ID | Date | Type | TOC (ft msl) | DTW (ft) | Measured LNAPL Thickness (ft) | GW Elev (ft msl) | GRO (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | MTBE (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | Ethanol (µg/L) | EDB (µg/L) | 1,2-DCA (µg/L) | DO (mg/l) | Notes |
|---------|------|------|-----------------|-------------|--|---------------------|---------------|-------------|-------------|-------------|-------------|----------------|---------------|----------------|----------------|----------------|-------------------|---------------|-------------------|--------------|-------|
|---------|------|------|-----------------|-------------|--|---------------------|---------------|-------------|-------------|-------------|-------------|----------------|---------------|----------------|----------------|----------------|-------------------|---------------|-------------------|--------------|-------|

MTBE = Methyl tert butyl ether

BTEX = Benzene, toluene, ethylbenzene and xylenes

NSP = Well gauged, but not sampled this event, in accordance with groundwater sampling schedule

NP = Not purged prior to sampling

INA = Well was inaccessible

P = Purged prior to sampling

TOC = Top of casing measured in ft msl

Top and bottom of screen measurements for wells A-2 through A-5 were estimated from the EMCON sampling sheet.

Beginning in the first quarter 2003 (1/30/2003), groundwater samples were analyzed by EPA method 8260B for TPH-g, BTEX, and fuel oxygenates. Prior to 1/30/03, TPH-g was analyzed using EPA Method 8015B modified and MTBE by 8021B unless otherwise noted.

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-TPHg 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.

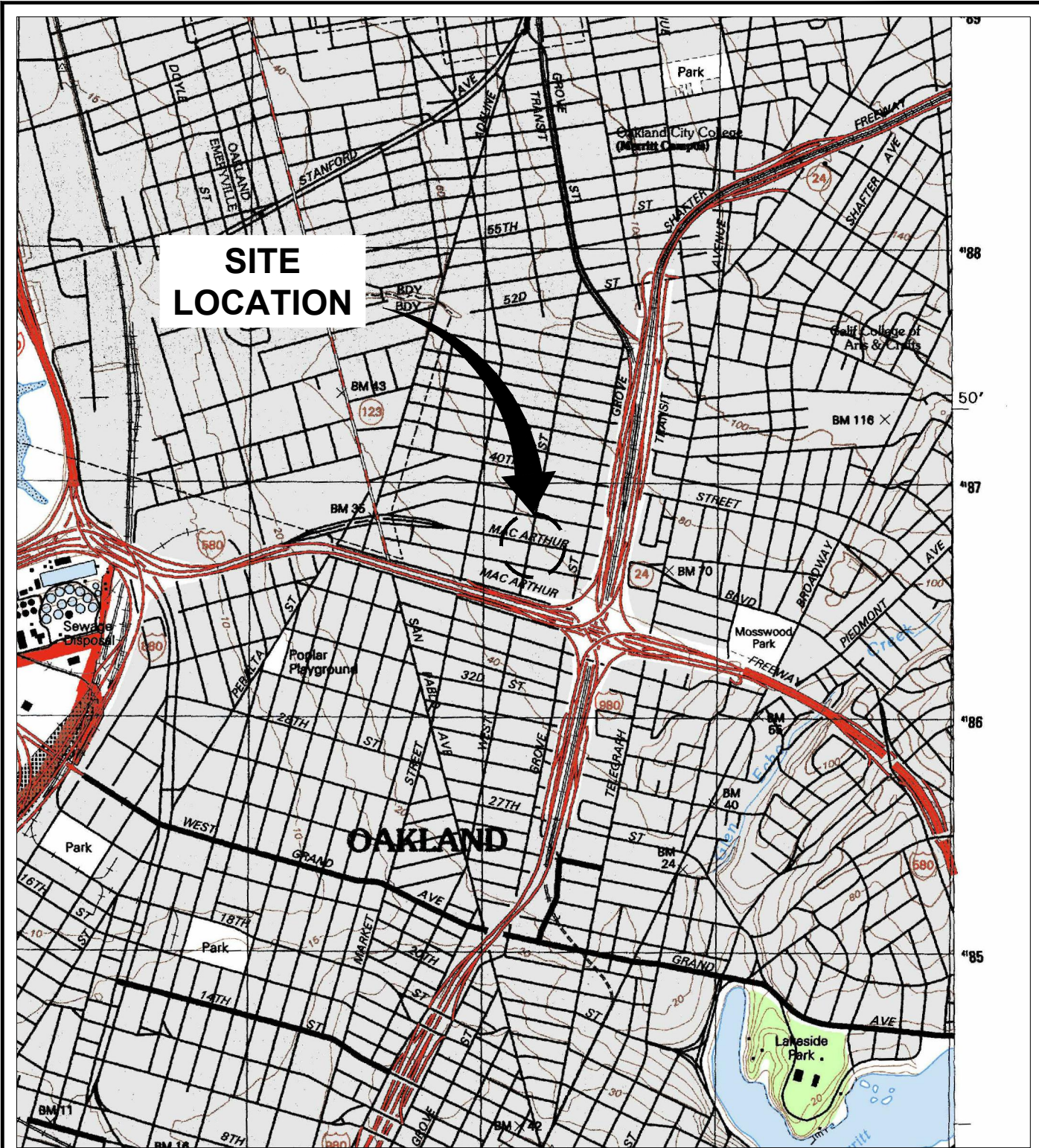
GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present.

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

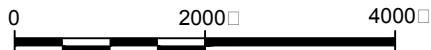
ARCADIS

FIGURES

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
 C:\Users\jarriss\OneDrive\top\ENV\CAD\RETURN\TOEMERYVILLE_C\G\98\BPNAC1\0\000003\G12\DWG\G\98\BPNAC1\0\N01.dwg LAYOUT: 1 SAVED: 10/1/2012 11:40 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLE/TABLE: ARCADIS.CTB PLOTTED: 10/1/2012 11:59 AM BY: HARRIS, JESSICA



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., OAKLAND WEST, CALIFORNIA, 1993.



Approximate Scale: 1 in. = 2000 ft.



AREA
LOCATION

CALIFORNIA



FORMER ARCO STATION □4931
 731 WEST MACARTHUR BOULEVARD
 OAKLAND, CALIFORNIA

SITE LOCATION MAP



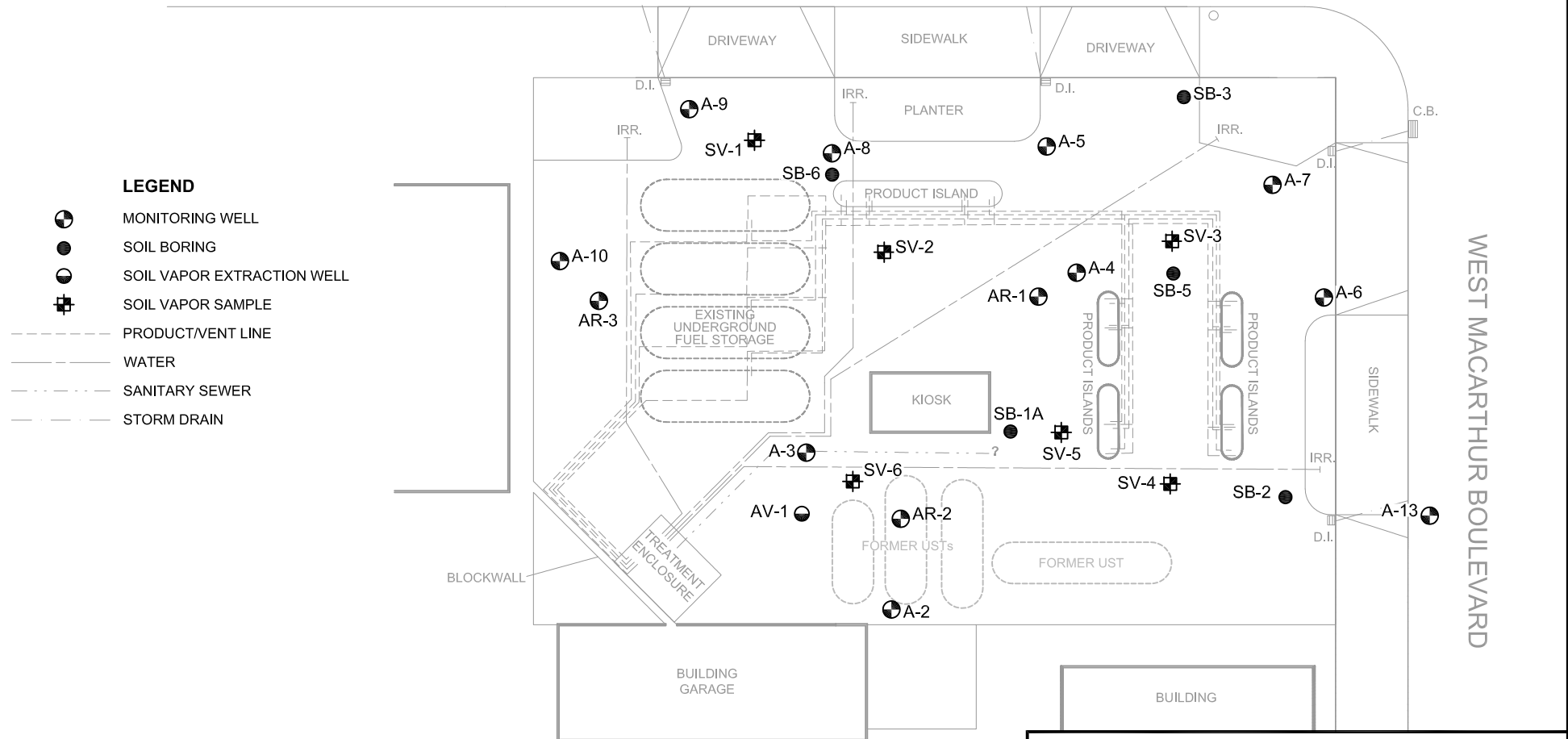
FIGURE

1

A-12

A-11

WEST STREET



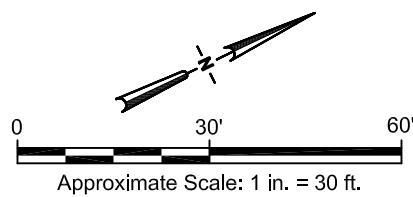
LEGEND

- MONITORING WELL
- SOIL BORING
- SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR SAMPLE
- PRODUCT/VENT LINE
- WATER
- SANITARY SEWER
- STORM DRAIN

WEST MACARTHUR BOULEVARD

FORMER ARCO STATION #4931
 731 WEST MACARTHUR BOULEVARD
 OAKLAND, CALIFORNIA

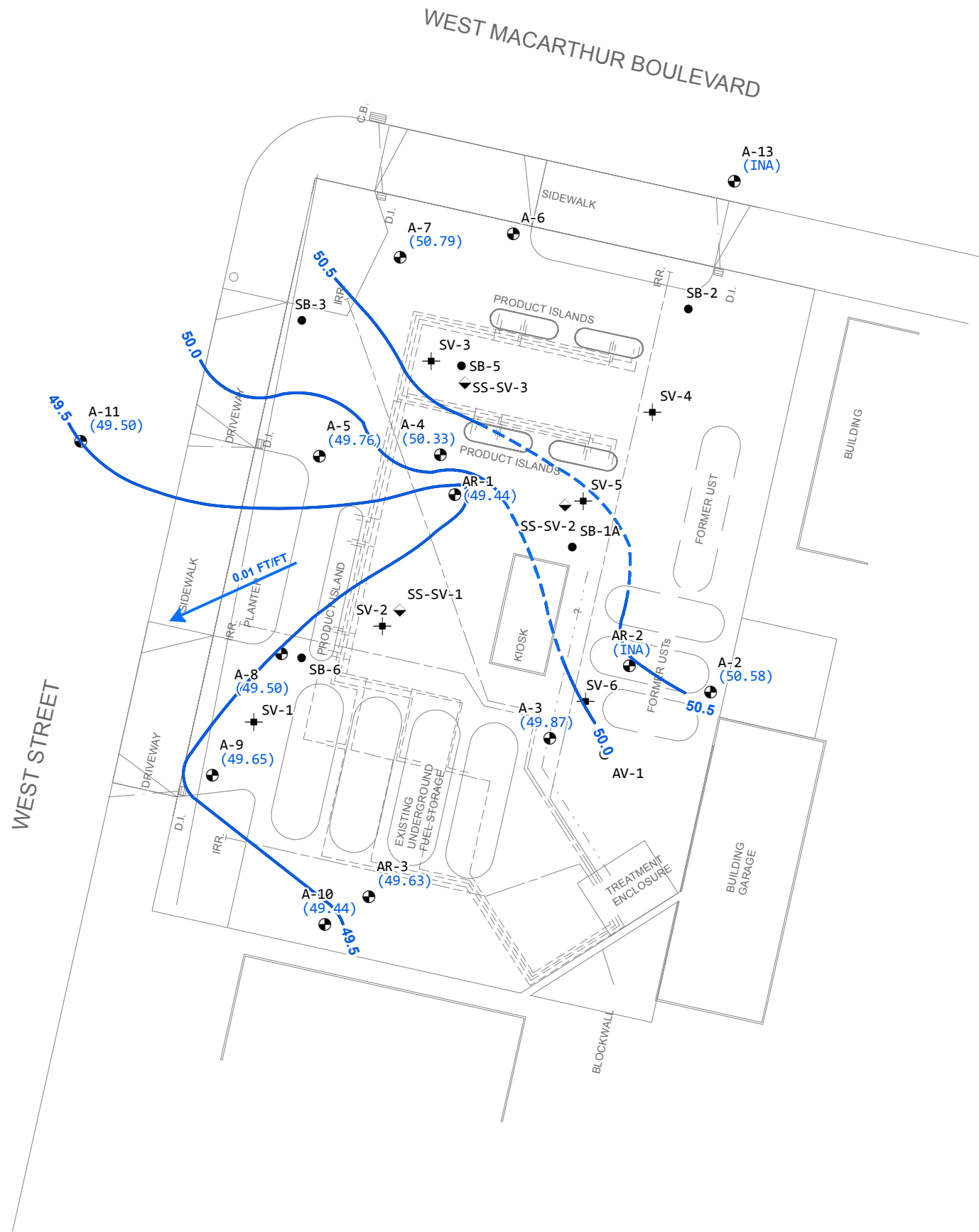
SITE PLAN



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

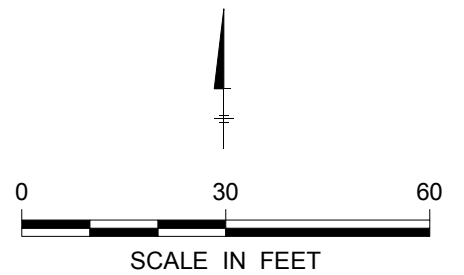


FIGURE
2



LEGEND:

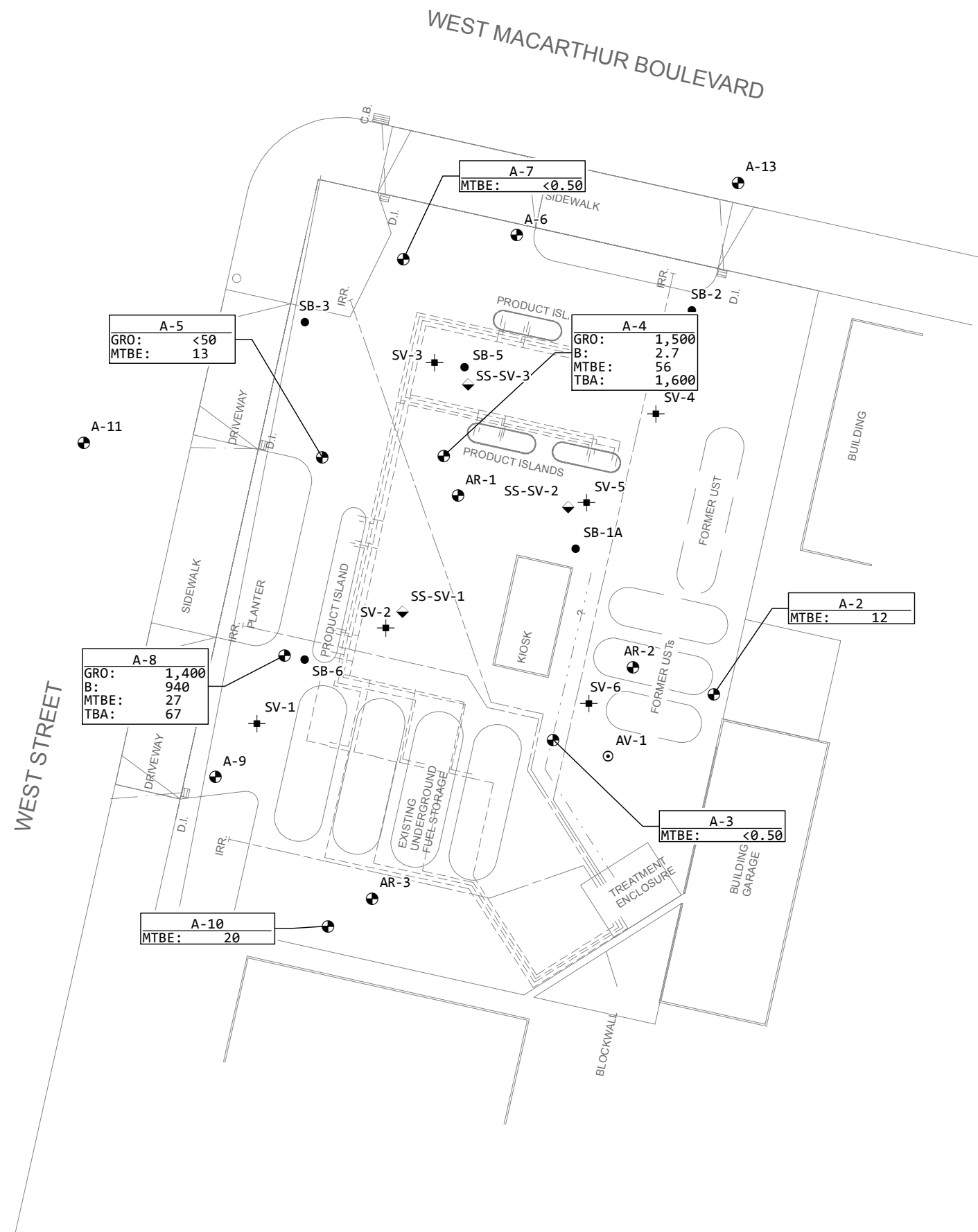
- GROUNDWATER MONITORING WELL
- SOIL BORING
- SOIL VAPOR EXTRACTION WELL
- ⊕ SOIL VAPOR SAMPLE LOCATION
- ⬇️ SUB-SLAB SOIL VAPOR SAMPLING LOCATION
- (50.79) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 50.0 — GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
- 0.01 FT/FT → GROUNDWATER FLOW DIRECTION (FOOT PER FOOT)
- (INA) WELL INACCESSIBLE



FORMER BP STATION No. 04931
 731 WEST MACARTHUR BOULEVARD,
 OAKLAND, CALIFORNIA
 SECOND AND THIRD QUARTER 2013
 SEMI-ANNUAL MONITORING REPORT

**GROUNDWATER ELEVATION CONTOUR
 MAP, AUGUST 7, 2013**

| FIGURE
3

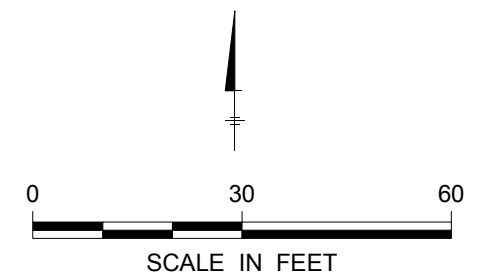


LEGEND:

- GROUNDWATER MONITORING WELL
- SOIL BORING
- ⊙ SOIL VAPOR EXTRACTION WELL
- ✦ SOIL VAPOR SAMPLE LOCATION
- ◆ SUB-SLAB SOIL VAPOR SAMPLING LOCATION

| | |
|------------|--|
| XX-1 | SAMPLE LOCATION ID |
| GRO: <XX | CONCENTRATION IN MICROGRAMS PER LITER (µg/L) |
| B: <X.X | |
| MTBE: <X.X | |
| TBA: <XX | |
| | ANALYTE |

- GRO GASOLINE RANGE ORGANICS
- B BENZENE
- MTBE METHYL TERTIARY-BUTYL ETHER
- TBA TERTIARY-BUTYL ALCOHOL
- < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT



FORMER BP STATION No. 04931
 731 WEST MACARTHUR BOULEVARD,
 OAKLAND, CALIFORNIA

SECOND AND THIRD QUARTER 2013
 SEMI-ANNUAL MONITORING REPORT

ANALYTICAL SUMMARY MAP
AUGUST 7, 2013

ARCADIS

FIGURE 4



Appendix A

Previous Investigations and Site
History Summary

The Site is located at 731 West MacArthur Boulevard in Oakland, California. It is an active Beacon-branded gasoline station. Improvements to the Site include four 10,000 gallon double-wall fiberglass gasoline underground storage tanks (USTs) installed on April 8, 1992. Product lines were excavated, removed, inspected, and replaced October 2, 2002. The majority of the Site surface is paved with concrete and asphalt.

The Site is bound by West MacArthur Boulevard to the north-northeast, West Street to the west-northwest and single-family residential dwellings to the south-southwest and east-southeast. Interstate 580 is located approximately 620 feet south-southwest of the Site.

A super unleaded product leak was reported to have occurred in November 1982 at the Site, however the quantity of product released is unknown (Gettler-Ryan, 4/3/1989). Wells A-1 through A-4 are known to have been installed prior to December 1982; however exact dates and consultants responsible are unknown. Wells A-5 through A-8 were installed by Groundwater Technology, Inc. (GTI) in March 1983. Wells A-9 through A-12 were installed by Pacific Environmental Group, Inc. (PEG) in December 1987. Soil samples were reportedly collected from borings A-9 through A-12 at five-foot intervals for logging purposes, but were not analyzed. Well A-9 was advanced to 45 ft below ground surface (bgs) and constructed with six-inch diameter PVC casing. Wells A-10 through A-12 were advanced to 30.5 ft bgs and constructed with three-inch diameter PVC casing and 0.020 inch slotted screen (PEG, 1/20/1988). GeoStrategies, Inc. (GSI) reported in their 15 May 1991 *Remedial Action Plan* that well A-1 was destroyed during underground storage tank (UST) replacement activities in August 1983. Additional information pertaining to the 1983 UST replacement activities was not available.

In late 1987, PEG conducted a water-supply well search within a 0.5 mile radius of the Site, as reported in their 20 January 1988 *Soil and Groundwater Investigation Report*. The Department of Water Resources (DWR) reported three historical wells within 0.5 miles of the Site. Two wells were identified approximately 1,300 feet northwest of the site. One was of an unknown depth and use, drilled in 1928. The second was drilled in 1926 to a depth of either 575 of 420 feet. The well was abandoned in 1956. The third well was identified approximately 2,400 feet west (downgradient) of the Site. It was drilled in 1927 to 97 ft bgs for industrial use.

In April 1991, GSI performed a hybrid step-drawdown/constant-rate aquifer test utilizing well A-9. The test consisted of four pumping steps followed by a recovery step. Transmissivity was calculated as 1,092 to 2,668 gallons per day per foot (gpd/ft) using Jacob's method, and 996 to 2,502 gpd/ft using the Neuman method. Storativity was calculated to be $1.18 \cdot 10^{-2}$ to $4.24 \cdot 10^{-3}$, which was reportedly indicative of a heterogeneous environment. According to GSI, "Specific yield [sic – capacity?] values ranged from $1.74 \cdot 10^{-2}$ to $9.65 \cdot 10^{-3}$," suggesting unconfined to semi-confined subsurface conditions (GSI, 7/10/1991). In GSI's *Remedial Action Plan*, dated 15 May 1991, approximately 30 years of pumping on well A-9 was modeled, which suggested that hydrodynamic control of the hydrocarbon plume within the groundwater was achievable at the Site. A groundwater extraction treatment system was proposed within the same report, designed to pump from well A-9 and treat groundwater onsite using carbon vessels.

In January 1992, GSI observed the advancement of one vapor extraction well (AV-1). AV-1 was installed to a depth of 15 ft bgs and screened from 5 ft bgs to total depth. Three Vapor Extraction Monitoring Points (VEMPs) were also installed at this time. The VEMPs were 0.75-inch diameter metal pipe driven to a depth of eight ft bgs, then withdrawn six to eight inches. The VEMPs were located at approximately four foot intervals linearly east of well AV-1. GSI conducted a four-hour vapor extraction test on 20 January 1992 on well AV-1, utilizing an internal combustion engine to create vacuum and combust vapors. Vacuum pressure in well AV-1 was sustained between 158.0 to 169.3 inches of water, while manometers were used to measure pressure changes at the VEMPs. No measurable influence was recorded at the three VEMPs, indicating less than a four-foot radius of influence for well AV-1. GSI subsequently concluded that vapor extraction was not likely to be a feasible remedial option at the Site (GSI, 5/21/1992).

Between 18 November 1991 and 8 April 1992, Roux Associates (RA) observed the UST removal and replacement installation activities. Paradiso Construction Company (Paradiso) removed one 12,000 gallon single-walled fiberglass tank, two 8,000 gallon single-walled steel tanks, and one 6,000 single-walled steel tank on 19 November 1991. It was reported that according to the ACEH and RA personnel, the former tanks appeared to be in good condition, with no holes or obvious leaks. Two preexisting four-inch tank observation wells near tank T1 were also removed at this time. Black oil staining was observed on the inside of the tank observation well casing, as well as on the surface of the exposed groundwater near where the wells were located. A vacuum truck was utilized on 21 November 1991 to remove approximately 2,800 gallons of oil/groundwater mixture from the tank cavity. Due to

reported soil staining and hydrocarbon odors, the tank cavity was over-excavated on 21 November 1991. The south end of the tank cavity (former tanks T2, T3, and T4) was excavated to approximately 14 ft bgs, while the north end (former tank T1) was excavated to approximately 12 ft bgs. Further over-excavation along the north and west side-walls of the tank cavity occurred between 20 December 1991 and 13 February 1992. The former tank cavity was backfilled on 27 February 1992 with two to four feet of pea gravel and road base aggregate to near the surface. Product lines associated with the former UST complex were excavated and removed on 1 and 2 December 1991. Select locations along the former product line trenches were overexcavated on 20 December 1991. The current UST pit excavation was initiated on 9 March 1992. Four double-walled 10,000 gallon fiberglass tanks were installed at 14 ft bgs on 8 April 1992. One 12-inch diameter slotted PVC conductor casing was installed to 13 ft bgs in the new UST cavity (RA, 7/20/1992).

On 15 and 16 June 1992 GSI observed the advancement of one soil boring offsite (A-13) and three soil borings onsite (AR-1, AR-2, and AR-3). Monitoring well A-13 was installed to a depth of 30 ft bgs and constructed with three-inch diameter Schedule 40 PVC casing and screened from 10 to 30 ft bgs with 0.020-inch machine slotted casing. Recovery wells AR-1 and AR-3 were installed to a depth of 30 ft bgs and constructed with six-inch diameter Schedule 40 PVC casing and screened from 10 to 30 ft bgs with 0.020-inch slotted carbon steel casing. Recovery well AR-2 was installed to a depth of 28 ft bgs and constructed with six-inch diameter Schedule 40 PVC casing and screened from 8 to 28 ft bgs with 0.020-inch slotted carbon steel casing. Also during second quarter 1992, a passive product skimmer was installed in well A-8 (GSI, 11/13/1992).

In late 1992, GSI oversaw the installation of an interim groundwater extraction remediation system (GWETS). The system began operation on 10 November 1992, utilizing two pumps in each of wells A-9, AR-1, AR-2, and AR-3, removing hydrocarbon impacted groundwater and free product (FP) from the subsurface. Collected FP was contained in 55-gallon drums. Groundwater was passed through a centrifugal separator, particulate filter, three in-series 1,500 pound activated carbon vessels, and ultimately discharged into the sanitary sewer system (GSI, 2/22/1994). In their *Recovery System Evaluation Report, First Quarter 1994*, dated 27 June 1994, GSI reports that the GWETS wells A-9, AR-1, AR-2, and AR-3 contain only one pump each for groundwater, and a product pump has been installed in well A-8. The GWETS was shutdown on 5 July 1995 for the following reasons cited by Pacific Environment Group, Inc. (PEG) in their *Quarterly Report – Second Quarter 1995, Remedial System Performance Evaluation*, dated 29 September 1995: 1). Since

system startup only 2.74 pounds (0.45 gallons) total petroleum hydrocarbons in the gasoline range (TPHg) and 0.46 pounds (0.06 gallons) of benzene had been removed; and 2). Downgradient wells A-11 and A-12 had remained non-detect for TPHg and benzene since groundwater monitoring began in 1988, indicating that the plume had stabilized and downgradient migration was minimal. At shutdown, the system had removed and treated approximately 4,643,696 gallons of groundwater. As of 31 December 1995, 23 pounds (3.75 gallons) of FP have been removed from the Site (PEG, 3/15/1996).

After the GWETS had been shutdown and pumps removed from the remediation wells, PEG initiated an in-situ bioremediation enhancement program. On 17 November 1995, eight oxygen releasing compound (ORC) socks were installed in well A-9. ORC is a magnesium peroxide powder, which slowly releases oxygen when hydrated (PEG, 3/15/1996).

On 2 October 2002, URS Corporation (URS) observed product line upgrade activities at the Site. The product lines were excavated, removed, inspected, and replaced. URS reported no observable cracks or deterioration of the former product lines. Soil samples were collected and analyzed from the product line trenches as well as from beneath the former dispenser islands. Two locations required minor over-excavation due to observed soil staining and hydrocarbon odors. The new product lines were replaced within the same trenches (URS, 1/21/2003).

Quarterly groundwater monitoring at the Site was initiated in the First Quarter 1989 by Gettler- Ryan, Inc. The site is currently monitored on a semiannual basis by Broadbent & Associates, Inc. (BAI) during the first and third calendar quarters.



Appendix B

Groundwater Sampling Data
Package



DAILY REPORT

Page 1 of 1

Project: Arcadis 4931 Project No.: 09-88-624

Field Representative(s): Alex Martinez Day: Wednesday Date: 8/7/13

Time Onsite: From: 0700 To: 1330 ; 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: Water level meter, ultrameter, DO meter, peristaltic pump (if needed)

Visitors: Statewide.

Table with 2 columns: TIME and WORK DESCRIPTION. Contains a log of activities from 0700 to 1330, including site arrival, sampling setups, fueling truck arrival, and well AR-2 paving.

Signature: Alex Martinez



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 4931 Project No.: 09-88-624 Date: 8/7/13
Field Representative: AM
Well ID: A-8 Start Time: End Time: Total Time (minutes):

PURGE EQUIPMENT: Disp. Bailer, 120V Pump, Flow Cell, Disp. Tubing, 12V Pump, Peristaltic Pump, Other/ID#: Hydrasleeve (HS)

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

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

Diagram of well casing and water column with labels a and b. Includes formulas for WCH, WCV, and drawdown calculations.

GROUNDWATER STABILIZATION PARAMETER RECORD

Table with 9 columns: Time (24:00), Cumulative Vol. (gal or L), Temperature (°C), pH, Conductivity (µS or mS), DO (mg/L), ORP (mV), Turbidity (NTU), NOTES (Odor, color, sheen or other). Row 1: 1307, 1.5, 21.9, 6.25, 929.3, 2.20, -50, -

Previous Stabilized Parameters

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

Table with 2 main sections: SAMPLE COLLECTION RECORD and GEOCHEMICAL PARAMETERS. Includes fields for depth to water, sample collection time, and various chemical parameters.

Signature: Alex [Handwritten Signature]



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 4931 Project No.: 09-88-624 Date: 8/7/13
Field Representative: AM
Well ID: A-9 Start Time: - End Time: - Total Time (minutes): -

PURGE EQUIPMENT, WELL HEAD INTEGRITY, PURGING/SAMPLING METHOD, PREDETERMINED WELL VOLUME, LOW-FLOW. Includes diagrams of well casing and water levels.

GROUNDWATER STABILIZATION PARAMETER RECORD table with columns: Time, Cumulative Vol., Temperature, pH, Conductivity, DO, ORP, Turbidity, NOTES. Includes handwritten note about vegetation growth.

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

SAMPLE COLLECTION RECORD and GEOCHEMICAL PARAMETERS sections. Includes fields for depth to water, sample collection time, and various chemical parameters.

Signature: Alex Medina

San Francisco

1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

| Client Contact | | Project Manager: Kristene Tidwell | | | | Site Contact: Alex Martinez | | | | Date: | | | | COC No: | |
|---|---------------------|---|-----------------|---------------|--------------|--|--------------|-------------------------|---------------------------|---------------|--|--|--|------------------------|---------|
| Broadbent & Associates, Inc. | | Tel/Fax: 707-455-7290 / 707-455-7295 | | | | Lab Contact: Dimple Sharma | | | | Carrier: | | | | _____ of _____ COCs | |
| 875 Cotting Lane, Suite G | | Analysis Turnaround Time | | | | Filtered Sample GRO by 8260B BTEX/5 FO & EDH by 8260 1,2-DCA & Ethanol by 8260 MTBE by 8260B | | | | | | | | Job No. | |
| Vacaville, CA 95688 | | Calendar (C) or Work Days (W) _____ | | | | | | | | | | | | SDG No. | |
| Phone: 707-455-7290 | | TAT if different from Below _____ | | | | | | | | | | | | Sample Specific Notes: | |
| Fax: 707-455-7295 | | <input checked="" type="checkbox"/> 2 weeks | | | | | | | | | | | | | |
| Project Name: Arcadis 4931 | | <input type="checkbox"/> 1 week | | | | | | | | | | | | | |
| 731 West MacArthur Blvd., Oakland, CA | | <input type="checkbox"/> 2 days | | | | | | | | | | | | | |
| P O # GP09BPNA.C110 | | <input type="checkbox"/> 1 day | | | | | | | | | | | | | |
| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Filtered Sample | GRO by 8260B | BTEX/5 FO & EDH by 8260 | 1,2-DCA & Ethanol by 8260 | MTBE by 8260B | | | | | |
| A-2 | 8/7/2013 | 1140 | GRAB | AQ | 3 | | | | X | | | | | | |
| A-3 | 8/7/2013 | 1005 | GRAB | AQ | 3 | | | | X | | | | | | |
| A-4 | 8/7/2013 | 1240 | GRAB | AQ | 3 | | X | X | X | | | | | | |
| A-5 | 8/7/2013 | 1200 | GRAB | AQ | 3 | | X | | X | | | | | | |
| A-7 | 8/7/2013 | 1025 | GRAB | AQ | 6 | | | | X | | | | | | |
| A-8 | 8/7/2013 | 1305 | GRAB | AQ | 3 | | X | X | X | | | | | | |
| A-9 | 8/7/2013 | - | GRAB | AQ | 3 | | | | X | | | | | | |
| A-10 | 8/7/2013 | 1220 | GRAB | AQ | 3 | | | | X | | | | | | |
| A-12 | 8/7/2013 | 1115 | GRAB | AQ | 3 | | | | X | | | | | | |
| TB-4931-08072013 | -- | -- | -- | AQ | 1 | | | | | | | | | | On Hold |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | | | | |
| Possible Hazard Identification | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | | | | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> | | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | |
| Special Instructions: | | | | | | | | | | | | | | | |
| Relinquished by: | | Company: | | Date/Time: | | Received by: | | Company: | | Date/Time: | | | | | |
| Alex Martinez <i>Alex Martinez</i> | | Broadbent & Associates | | 8/7/13/1410 | | <i>Alex Martinez</i> | | Test America | | 8-7-13 1410 | | | | | |
| Relinquished by: | | Company: | | Date/Time: | | Received by: | | Company: | | Date/Time: | | | | | |
| Relinquished by: | | Company: | | Date/Time: | | Received by: | | Company: | | Date/Time: | | | | | |

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STATEWIDE TRAFFIC SAFETY & SIGNS™

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 Nipomo
 Sacramento
 Fairfield
 Fresno
 Bakersfield

TRAFFIC CONTROL WORK ORDER REPORT

| | | |
|------------------------------|--------------------------------------|---------------------|
| CONTRACTOR: <u>Broadbent</u> | CONTACT: <u>Alex martinez</u> PHONE: | DATE: <u>8/7/13</u> |
| LOCATION: | CONTRACT# | JOB # |

Work Description: 1-man 09-88-624

10am

DATE: 8/7/13

CUSTOMER: Broadbent CITY: Oakland

CLOSURE LOCATION/STREET: 731 W MacArthur Blvd

JOBSITE CONTACT: 408-701-7002

| FWY | ST | HWY/STREET LANE CLOSURES | Length/ Qty | TCSC Work Window | | | Contractor Work Window | | | Notes |
|--------------------------|-------------------------------------|--|----------------|------------------|------------|-------------|------------------------|----------|-------------|-----------------|
| | | | | Start Time | End Time | Total Hours | Start Time | End Time | Total Hours | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1 Lane 1 Direction (T-10) | | <u>10am</u> | <u>12m</u> | | | | | <u>1-RWA</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | 2 Lanes 1 Direction (T-10) | | | | | | | | <u>1-RLLA</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | 3 Lanes 1 Direction (T-10) | | | | | | | | <u>1-LC</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | Additional 1 Lane Different Location (T-10) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Additional 2 Lanes Different Location (T-10) | | | | | | | | <u>3-SCOPS</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | Additional 3 Lanes Different Location (T-10) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Connector Closure Only (T-14 Mod) | | | | | | | | <u>20-CONCS</u> |
| <input type="checkbox"/> | <input type="checkbox"/> | Off-Ramp Closure during Lane/Street Closure (T-14 Mod) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | On-Ramp Closure during Lane/Street Closure (T-14) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Connector Closure during Lane Closure (T-14 Mod) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Complete Freeway/Street Closure (T-14A) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Flagging (T-13) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Movin Lane Closure (T-15, T-16) | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | |

| | QTY | Asset # | Start Time | End Time | Total Hours | Notes |
|---|-----|-----------------------|------------|----------|-------------|-------|
| Impact Attenuator Vehicle TL-3 & Driver | | | | | | |
| Pilot Car | | <u>Track # 1 0398</u> | | | | |
| Additional Man | | | | | | |
| Additional Lanes | | | | | | |
| Portable Changeable Message Sign | | | | | | |
| Portable Light Towers | | | | | | |
| Arrow Boards | | | | | | |

| EMPLOYEE | Reg Hrs | OT | DT |
|--------------------|----------|----|----|
| <u>Ronny Hason</u> | <u>4</u> | | |
| | | | |
| | | | |

Foreman: Ronny Hason

Contractor: Alex Martinez

R/E Inspector: _____



Photo 1 of 1 – On August 7, 2013, AR-2 was observed to be paved over with a concrete pad and a metal shipping container was staged over the top of the well location. Photo taken from well A-2 looking west.



Appendix C

Certified Laboratory Analytical
Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

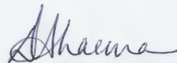
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51499-1
Client Project/Site: BP #4931, Oakland

For:
ARCADIS U.S., Inc
2000 Powell Street 7th Floor
Emeryville, California 94608-1827

Attn: Drew Feucht



Authorized for release by:
8/20/2013 10:24:04 AM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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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Table of Contents

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Definitions/Glossary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

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, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| 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) |

Case Narrative

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Job ID: 720-51499-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51499-1

Comments

No additional comments.

Receipt

The samples were received on 8/7/2013 2:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC/MS VOA

No analytical or quality issues were noted.

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Detection Summary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-2

Lab Sample ID: 720-51499-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 12 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: A-3

Lab Sample ID: 720-51499-2

No Detections.

Client Sample ID: A-4

Lab Sample ID: 720-51499-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| MTBE | 56 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Benzene | 2.7 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Gasoline Range Organics (GRO) -C6-C12 | 1500 | | 50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 1600 | | 10 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 16 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: A-5

Lab Sample ID: 720-51499-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 13 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: A-7

Lab Sample ID: 720-51499-5

No Detections.

Client Sample ID: A-8

Lab Sample ID: 720-51499-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| MTBE | 27 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Benzene | 940 | | 10 | | ug/L | 20 | | 8260B/CA_LUFT MS | Total/NA |
| Ethylbenzene | 1.6 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Toluene | 5.5 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Xylenes, Total | 1.5 | | 1.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Gasoline Range Organics (GRO) -C6-C12 | 1400 | | 50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 67 | | 10 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 14 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: A-10

Lab Sample ID: 720-51499-7

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-10 (Continued)

Lab Sample ID: 720-51499-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 20 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: A-12

Lab Sample ID: 720-51499-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 2.0 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-2

Lab Sample ID: 720-51499-1

Date Collected: 08/07/13 11:40

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | 12 | | 0.50 | | ug/L | | | 08/09/13 21:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 94 | | 67 - 130 | | | | | 08/09/13 21:33 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 75 - 138 | | | | | 08/09/13 21:33 | 1 |
| Toluene-d8 (Surr) | 90 | | 70 - 130 | | | | | 08/09/13 21:33 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-3

Lab Sample ID: 720-51499-2

Date Collected: 08/07/13 10:05

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 08/10/13 02:54 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 91 | | 67 - 130 | | | | | 08/10/13 02:54 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 75 - 138 | | | | | 08/10/13 02:54 | 1 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 | | | | | 08/10/13 02:54 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-4

Lab Sample ID: 720-51499-3

Date Collected: 08/07/13 12:40

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| MTBE | 56 | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| Benzene | 2.7 | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| EDB | ND | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| 1,2-DCA | ND | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 08/09/13 00:02 | 1 |
| Gasoline Range Organics (GRO) | 1500 | | 50 | | ug/L | | | 08/09/13 00:02 | 1 |
| -C6-C12 | | | | | | | | | |
| TBA | 1600 | | 10 | | ug/L | | | 08/09/13 00:02 | 1 |
| Ethanol | ND | | 250 | | ug/L | | | 08/09/13 00:02 | 1 |
| DIPE | ND | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| TAME | 16 | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| Ethyl t-butyl ether | ND | | 0.50 | | ug/L | | | 08/09/13 00:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 103 | | 67 - 130 | | | | | 08/09/13 00:02 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 | | | | | 08/09/13 00:02 | 1 |
| Toluene-d8 (Surr) | 105 | | 70 - 130 | | | | | 08/09/13 00:02 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-5

Lab Sample ID: 720-51499-4

Date Collected: 08/07/13 12:00

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | 13 | | 0.50 | | ug/L | | | 08/13/13 15:21 | 1 |
| Gasoline Range Organics (GRO) -C6-C12 | ND | | 50 | | ug/L | | | 08/13/13 15:21 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 94 | | 67 - 130 | | | | | 08/13/13 15:21 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 75 - 138 | | | | | 08/13/13 15:21 | 1 |
| Toluene-d8 (Surr) | 93 | | 70 - 130 | | | | | 08/13/13 15:21 | 1 |



Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-7

Lab Sample ID: 720-51499-5

Date Collected: 08/07/13 10:25

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 08/10/13 03:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 89 | | 67 - 130 | | | | | 08/10/13 03:22 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 75 - 138 | | | | | 08/10/13 03:22 | 1 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | | | | 08/10/13 03:22 | 1 |



Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-8

Lab Sample ID: 720-51499-6

Date Collected: 08/07/13 13:05

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| MTBE | 27 | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| Benzene | 940 | | 10 | | ug/L | | | 08/15/13 12:00 | 20 |
| EDB | ND | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| 1,2-DCA | ND | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| Ethylbenzene | 1.6 | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| Toluene | 5.5 | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| Xylenes, Total | 1.5 | | 1.0 | | ug/L | | | 08/09/13 00:29 | 1 |
| Gasoline Range Organics (GRO) | 1400 | | 50 | | ug/L | | | 08/09/13 00:29 | 1 |
| -C6-C12 | | | | | | | | | |
| TBA | 67 | | 10 | | ug/L | | | 08/09/13 00:29 | 1 |
| Ethanol | ND | | 250 | | ug/L | | | 08/09/13 00:29 | 1 |
| DIPE | ND | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| TAME | 14 | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |
| Ethyl t-butyl ether | ND | | 0.50 | | ug/L | | | 08/09/13 00:29 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | 08/09/13 00:29 | 1 |
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | 08/15/13 12:00 | 20 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 | | 08/09/13 00:29 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 | | 08/15/13 12:00 | 20 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 | | 08/09/13 00:29 | 1 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | 08/15/13 12:00 | 20 |

Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-10

Lab Sample ID: 720-51499-7

Date Collected: 08/07/13 12:20

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | 20 | | 0.50 | | ug/L | | | 08/10/13 03:50 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 89 | | 67 - 130 | | | | | 08/10/13 03:50 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 138 | | | | | 08/10/13 03:50 | 1 |
| Toluene-d8 (Surr) | 94 | | 70 - 130 | | | | | 08/10/13 03:50 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-12

Lab Sample ID: 720-51499-8

Date Collected: 08/07/13 11:15

Matrix: Water

Date Received: 08/07/13 14:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | 2.0 | | 0.50 | | ug/L | | | 08/10/13 04:17 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 88 | | 67 - 130 | | | | | 08/10/13 04:17 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 75 - 138 | | | | | 08/10/13 04:17 | 1 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | | 08/10/13 04:17 | 1 |



QC Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-141834/4

Matrix: Water

Analysis Batch: 141834

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| MTBE | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| Benzene | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| EDB | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| 1,2-DCA | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 08/08/13 15:13 | 1 |
| Gasoline Range Organics (GRO) | ND | | 50 | | ug/L | | | 08/08/13 15:13 | 1 |
| -C6-C12 | | | | | | | | | |
| TBA | ND | | 10 | | ug/L | | | 08/08/13 15:13 | 1 |
| Ethanol | ND | | 250 | | ug/L | | | 08/08/13 15:13 | 1 |
| DIPE | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| TAME | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |
| Ethyl t-butyl ether | ND | | 0.50 | | ug/L | | | 08/08/13 15:13 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 91 | | 67 - 130 | | 08/08/13 15:13 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | 75 - 138 | | 08/08/13 15:13 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 | | 08/08/13 15:13 | 1 |

Lab Sample ID: LCS 720-141834/5

Matrix: Water

Analysis Batch: 141834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| MTBE | 25.0 | 26.0 | | ug/L | | 104 | 62 - 130 |
| Benzene | 25.0 | 24.0 | | ug/L | | 96 | 79 - 130 |
| EDB | 25.0 | 27.3 | | ug/L | | 109 | 70 - 130 |
| 1,2-DCA | 25.0 | 24.6 | | ug/L | | 98 | 61 - 132 |
| Ethylbenzene | 25.0 | 23.7 | | ug/L | | 95 | 80 - 120 |
| Toluene | 25.0 | 23.5 | | ug/L | | 94 | 78 - 120 |
| TBA | 500 | 466 | | ug/L | | 93 | 70 - 130 |
| Ethanol | 500 | 522 | | ug/L | | 104 | 31 - 216 |
| DIPE | 25.0 | 26.1 | | ug/L | | 104 | 69 - 134 |
| TAME | 25.0 | 27.5 | | ug/L | | 110 | 79 - 130 |
| Ethyl t-butyl ether | 25.0 | 26.5 | | ug/L | | 106 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 96 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-141834/7

Matrix: Water

Analysis Batch: 141834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--|-------------|------------|---------------|------|---|------|--------------|
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 509 | | ug/L | | 102 | 58 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 97 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 138 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 |

Lab Sample ID: LCSD 720-141834/6

Matrix: Water

Analysis Batch: 141834

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| MTBE | 25.0 | 26.0 | | ug/L | | 104 | 62 - 130 | 0 | 20 |
| Benzene | 25.0 | 23.8 | | ug/L | | 95 | 79 - 130 | 1 | 20 |
| EDB | 25.0 | 26.9 | | ug/L | | 108 | 70 - 130 | 1 | 20 |
| 1,2-DCA | 25.0 | 24.5 | | ug/L | | 98 | 61 - 132 | 0 | 20 |
| Ethylbenzene | 25.0 | 23.6 | | ug/L | | 94 | 80 - 120 | 1 | 20 |
| Toluene | 25.0 | 23.4 | | ug/L | | 94 | 78 - 120 | 1 | 20 |
| TBA | 500 | 459 | | ug/L | | 92 | 70 - 130 | 2 | 20 |
| Ethanol | 500 | 507 | | ug/L | | 101 | 31 - 216 | 3 | 30 |
| DIPE | 25.0 | 25.6 | | ug/L | | 103 | 69 - 134 | 2 | 20 |
| TAME | 25.0 | 27.5 | | ug/L | | 110 | 79 - 130 | 0 | 20 |
| Ethyl t-butyl ether | 25.0 | 26.2 | | ug/L | | 105 | 70 - 130 | 1 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene | 96 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 |

Lab Sample ID: LCSD 720-141834/8

Matrix: Water

Analysis Batch: 141834

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 505 | | ug/L | | 101 | 58 - 120 | 1 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene | 96 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-141921/4

Matrix: Water

Analysis Batch: 141921

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 08/09/13 16:08 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 93 | | 67 - 130 | | | | | 08/09/13 16:08 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 75 - 138 | | | | | 08/09/13 16:08 | 1 |
| Toluene-d8 (Surr) | 92 | | 70 - 130 | | | | | 08/09/13 16:08 | 1 |

Lab Sample ID: LCS 720-141921/5

Matrix: Water

Analysis Batch: 141921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|---------------|---------------|------|---|------|--------------|
| Methyl tert-butyl ether | 25.0 | 31.8 | | ug/L | | 127 | 62 - 130 |
| Surrogate | %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene | 97 | | 67 - 130 | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 138 | | | | |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 720-141921/6

Matrix: Water

Analysis Batch: 141921

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|-------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| Methyl tert-butyl ether | 25.0 | 31.3 | | ug/L | | 125 | 62 - 130 | 1 | 20 |
| Surrogate | %Recovery | LCSD Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene | 96 | | 67 - 130 | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 | | | | | | |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | | | |

Lab Sample ID: MB 720-141933/4

Matrix: Water

Analysis Batch: 141933

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 08/09/13 19:29 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 94 | | 67 - 130 | | | | | 08/09/13 19:29 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 75 - 138 | | | | | 08/09/13 19:29 | 1 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | | | | 08/09/13 19:29 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-141933/5

Matrix: Water

Analysis Batch: 141933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|---------------|---------------|----------|---|------|--------------|
| Methyl tert-butyl ether | 25.0 | 26.2 | | ug/L | | 105 | 62 - 130 |
| Surrogate | | | | | | | |
| Surrogate | %Recovery | LCS Qualifier | LCS | Limits | | | |
| 4-Bromofluorobenzene | 96 | | | 67 - 130 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | | 75 - 138 | | | |
| Toluene-d8 (Surr) | 101 | | | 70 - 130 | | | |

Lab Sample ID: LCS 720-141933/7

Matrix: Water

Analysis Batch: 141933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate | %Recovery | LCS Qualifier | LCS | Limits | |
|------------------------------|-----------|---------------|-----|----------|--|
| 4-Bromofluorobenzene | 98 | | | 67 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | | 75 - 138 | |
| Toluene-d8 (Surr) | 102 | | | 70 - 130 | |

Lab Sample ID: LCSD 720-141933/6

Matrix: Water

Analysis Batch: 141933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|-------------|----------------|----------------|----------|---|------|--------------|-----|-----------|
| Methyl tert-butyl ether | 25.0 | 24.3 | | ug/L | | 97 | 62 - 130 | 8 | 20 |
| Surrogate | | | | | | | | | |
| Surrogate | %Recovery | LCSD Qualifier | LCSD | Limits | | | | | |
| 4-Bromofluorobenzene | 96 | | | 67 - 130 | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 93 | | | 75 - 138 | | | | | |
| Toluene-d8 (Surr) | 101 | | | 70 - 130 | | | | | |

Lab Sample ID: LCSD 720-141933/8

Matrix: Water

Analysis Batch: 141933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Surrogate | %Recovery | LCSD Qualifier | LCSD | Limits | |
|------------------------------|-----------|----------------|------|----------|--|
| 4-Bromofluorobenzene | 98 | | | 67 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | | 75 - 138 | |
| Toluene-d8 (Surr) | 102 | | | 70 - 130 | |

Lab Sample ID: MB 720-142088/4

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 08/13/13 08:26 | 1 |
| Gasoline Range Organics (GRO) -C6-C12 | ND | | 50 | | ug/L | | | 08/13/13 08:26 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-142088/4

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Method Blank

Prep Type: Total/NA

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 4-Bromofluorobenzene | 98 | | 67 - 130 | | 08/13/13 08:26 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 75 - 138 | | 08/13/13 08:26 | 1 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | 08/13/13 08:26 | 1 |

Lab Sample ID: LCS 720-142088/5

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|-------------------------|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| Methyl tert-butyl ether | 25.0 | 22.7 | | ug/L | | 91 | 62 - 130 |

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 99 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 77 | | 75 - 138 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 |

Lab Sample ID: LCS 720-142088/7

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|--|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 438 | | ug/L | | 88 | 58 - 120 |

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 103 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 81 | | 75 - 138 |
| Toluene-d8 (Surr) | 93 | | 70 - 130 |

Lab Sample ID: LCSD 720-142088/6

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | RPD | Limit |
|-------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| | | | | | | | Limits | | |
| Methyl tert-butyl ether | 25.0 | 24.0 | | ug/L | | 96 | 62 - 130 | 6 | 20 |

| Surrogate | LCSD LCSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 96 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 75 - 138 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Lab Sample ID: LCSD 720-142088/8

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | RPD | Limit |
|--|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| | | | | | | | Limits | | |
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 423 | | ug/L | | 85 | 58 - 120 | 3 | 20 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-142088/8

Matrix: Water

Analysis Batch: 142088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Surrogate | LCSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 96 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 75 - 138 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Lab Sample ID: 720-51499-4 MS

Matrix: Water

Analysis Batch: 142088

Client Sample ID: A-5

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. | Limits |
|-------------------------|--------|-----------|-------|--------|-----------|------|---|------|-------|----------|
| | Result | Qualifier | | Result | Qualifier | | | | | |
| Methyl tert-butyl ether | 13 | | 25.0 | 40.8 | | ug/L | | 109 | | 60 - 138 |

| Surrogate | MS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 99 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 75 - 138 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 |

Lab Sample ID: 720-51499-4 MSD

Matrix: Water

Analysis Batch: 142088

Client Sample ID: A-5

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | Limits | RPD | RPD |
|-------------------------|--------|-----------|-------|--------|-----------|------|---|------|-------|----------|-------|-----|
| | Result | Qualifier | | Result | Qualifier | | | | | | Limit | |
| Methyl tert-butyl ether | 13 | | 25.0 | 40.3 | | ug/L | | 107 | | 60 - 138 | 1 | 20 |

| Surrogate | MSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 94 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 75 - 138 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 |

Lab Sample ID: MB 720-142243/4

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| MTBE | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| Benzene | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| EDB | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| 1,2-DCA | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 08/15/13 08:39 | 1 |
| Gasoline Range Organics (GRO) | ND | | 50 | | ug/L | | | 08/15/13 08:39 | 1 |
| -C6-C12 | | | | | | | | | |
| TBA | ND | | 10 | | ug/L | | | 08/15/13 08:39 | 1 |
| Ethanol | ND | | 250 | | ug/L | | | 08/15/13 08:39 | 1 |
| DIPE | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| TAME | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |
| Ethyl t-butyl ether | ND | | 0.50 | | ug/L | | | 08/15/13 08:39 | 1 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-142243/4

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Method Blank

Prep Type: Total/NA

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 4-Bromofluorobenzene | 94 | | 67 - 130 | | 08/15/13 08:39 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 78 | | 75 - 138 | | 08/15/13 08:39 | 1 |
| Toluene-d8 (Surr) | 93 | | 70 - 130 | | 08/15/13 08:39 | 1 |

Lab Sample ID: LCS 720-142243/5

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|---------------------|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| MTBE | 25.0 | 23.0 | | ug/L | | 92 | 62 - 130 |
| Benzene | 25.0 | 24.4 | | ug/L | | 97 | 79 - 130 |
| EDB | 25.0 | 24.8 | | ug/L | | 99 | 70 - 130 |
| 1,2-DCA | 25.0 | 21.3 | | ug/L | | 85 | 61 - 132 |
| Ethylbenzene | 25.0 | 25.8 | | ug/L | | 103 | 80 - 120 |
| Toluene | 25.0 | 26.3 | | ug/L | | 105 | 78 - 120 |
| TBA | 500 | 536 | | ug/L | | 107 | 70 - 130 |
| Ethanol | 500 | 541 | | ug/L | | 108 | 31 - 216 |
| DIPE | 25.0 | 20.5 | | ug/L | | 82 | 69 - 134 |
| TAME | 25.0 | 23.6 | | ug/L | | 95 | 79 - 130 |
| Ethyl t-butyl ether | 25.0 | 21.6 | | ug/L | | 87 | 70 - 130 |

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 98 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 77 | | 75 - 138 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 |

Lab Sample ID: LCS 720-142243/7

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|--|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 419 | | ug/L | | 84 | 58 - 120 |

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene | 99 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 85 | | 75 - 138 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 |

Lab Sample ID: LCSD 720-142243/6

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| | | | | | | | Limits | | |
| MTBE | 25.0 | 22.8 | | ug/L | | 91 | 62 - 130 | 1 | 20 |
| Benzene | 25.0 | 24.1 | | ug/L | | 96 | 79 - 130 | 1 | 20 |
| EDB | 25.0 | 24.2 | | ug/L | | 97 | 70 - 130 | 3 | 20 |
| 1,2-DCA | 25.0 | 20.6 | | ug/L | | 83 | 61 - 132 | 3 | 20 |

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-142243/6

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Ethylbenzene | 25.0 | 25.3 | | ug/L | | 101 | 80 - 120 | 2 | 20 |
| Toluene | 25.0 | 26.4 | | ug/L | | 106 | 78 - 120 | 0 | 20 |
| TBA | 500 | 566 | | ug/L | | 113 | 70 - 130 | 5 | 20 |
| Ethanol | 500 | 511 | | ug/L | | 102 | 31 - 216 | 6 | 30 |
| DIPE | 25.0 | 20.2 | | ug/L | | 81 | 69 - 134 | 1 | 20 |
| TAME | 25.0 | 24.0 | | ug/L | | 96 | 79 - 130 | 2 | 20 |
| Ethyl t-butyl ether | 25.0 | 21.7 | | ug/L | | 87 | 70 - 130 | 0 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene | 94 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 80 | | 75 - 138 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 |

Lab Sample ID: LCSD 720-142243/8

Matrix: Water

Analysis Batch: 142243

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 431 | | ug/L | | 86 | 58 - 120 | 3 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene | 100 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 75 - 138 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 |

QC Association Summary

Client: ARCADIS U.S., Inc
 Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

GC/MS VOA

Analysis Batch: 141834

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| 720-51499-3 | A-4 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-51499-6 | A-8 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-141834/5 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-141834/7 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-141834/6 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-141834/8 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-141834/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

Analysis Batch: 141921

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| 720-51499-1 | A-2 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-141921/5 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-141921/6 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-141921/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

Analysis Batch: 141933

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| 720-51499-2 | A-3 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-51499-5 | A-7 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-51499-7 | A-10 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-51499-8 | A-12 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-141933/5 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-141933/7 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-141933/6 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-141933/8 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-141933/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

Analysis Batch: 142088

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------------|------------|
| 720-51499-4 | A-5 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-51499-4 MS | A-5 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-51499-4 MSD | A-5 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-142088/5 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |

TestAmerica Pleasanton

QC Association Summary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

GC/MS VOA (Continued)

Analysis Batch: 142088 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| LCS 720-142088/7 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-142088/6 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-142088/8 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-142088/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

Analysis Batch: 142243

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| 720-51499-6 | A-8 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-142243/5 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-142243/7 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-142243/6 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-142243/8 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-142243/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

Lab Chronicle

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-2

Date Collected: 08/07/13 11:40

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141921 | 08/09/13 21:33 | ASC | TAL PLS |

Client Sample ID: A-3

Date Collected: 08/07/13 10:05

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141933 | 08/10/13 02:54 | LPL | TAL PLS |

Client Sample ID: A-4

Date Collected: 08/07/13 12:40

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141834 | 08/09/13 00:02 | ASC | TAL PLS |

Client Sample ID: A-5

Date Collected: 08/07/13 12:00

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 142088 | 08/13/13 15:21 | PDR | TAL PLS |

Client Sample ID: A-7

Date Collected: 08/07/13 10:25

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141933 | 08/10/13 03:22 | LPL | TAL PLS |

Client Sample ID: A-8

Date Collected: 08/07/13 13:05

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141834 | 08/09/13 00:29 | ASC | TAL PLS |
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 20 | 142243 | 08/15/13 12:00 | PDR | TAL PLS |

TestAmerica Pleasanton

Lab Chronicle

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Client Sample ID: A-10

Date Collected: 08/07/13 12:20

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-7

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141933 | 08/10/13 03:50 | LPL | TAL PLS |

Client Sample ID: A-12

Date Collected: 08/07/13 11:15

Date Received: 08/07/13 14:10

Lab Sample ID: 720-51499-8

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 141933 | 08/10/13 04:17 | LPL | TAL PLS |

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

Laboratory: TestAmerica Pleasanton

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------|---------------|------------|------------------|-----------------|
| California | State Program | 9 | 2496 | 01-31-14 |

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Method Summary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

| Method | Method Description | Protocol | Laboratory |
|---------------------|--------------------|----------|------------|
| 8260B/CA_LUFTM S | 8260B / CA LUFT MS | SW846 | TAL PLS |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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- 13
- 14

Sample Summary

Client: ARCADIS U.S., Inc
Project/Site: BP #4931, Oakland

TestAmerica Job ID: 720-51499-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 720-51499-1 | A-2 | Water | 08/07/13 11:40 | 08/07/13 14:10 |
| 720-51499-2 | A-3 | Water | 08/07/13 10:05 | 08/07/13 14:10 |
| 720-51499-3 | A-4 | Water | 08/07/13 12:40 | 08/07/13 14:10 |
| 720-51499-4 | A-5 | Water | 08/07/13 12:00 | 08/07/13 14:10 |
| 720-51499-5 | A-7 | Water | 08/07/13 10:25 | 08/07/13 14:10 |
| 720-51499-6 | A-8 | Water | 08/07/13 13:05 | 08/07/13 14:10 |
| 720-51499-7 | A-10 | Water | 08/07/13 12:20 | 08/07/13 14:10 |
| 720-51499-8 | A-12 | Water | 08/07/13 11:15 | 08/07/13 14:10 |



Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc

Job Number: 720-51499-1

Login Number: 51499

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

| 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. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| 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 | |
| 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 | |



STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

| | |
|---------------------------------|---|
| <u>Submittal Type:</u> | GEO_REPORT |
| <u>Report Title:</u> | Second and Third Quarter 2013 Semi-Annual Groundwater Monitoring Report 100713 |
| <u>Report Type:</u> | Monitoring Report - Semi-Annually |
| <u>Report Date:</u> | 10/7/2013 |
| <u>Facility Global ID:</u> | T0600100110 |
| <u>Facility Name:</u> | ARCO #04931 |
| <u>File Name:</u> | CA 4931 100713 BP - 2Q-3Q13 SAGWMR.pdf |
| <u>Organization Name:</u> | ARCADIS |
| <u>Username:</u> | ARCADISBP |
| <u>IP Address:</u> | 216.207.98.101 |
| <u>Submittal Date/Time:</u> | 10/7/2013 1:30:38 PM |
| <u>Confirmation Number:</u> | 1830081999 |

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