

MACARTHUR BOULEVARD ASSOCIATES

C/O JAY-PHARES CORPORATION

10700 MacArthur Blvd., Suite 200

Oakland, CA 94605

510-562-9500 / 510-562-9505 Fax

johnjay@jayphares.com

August 3, 2016

RECEIVED

By Alameda County Environmental Health 2:43 pm, Aug 03, 2016

Kit Soo

Alameda County Environmental Health

1131 Harbor Bay Parkway, Suite 250

Alameda, California 94502

**Subject: Perjury Statement and Report Transmittal
Groundwater Monitoring Report – 1st Semester 2016**
10700 MacArthur Blvd.
Oakland, California
AEI Project # 261829
Toxics Case No. RO0002580

Dear Kit Soo:

I declare under penalty of perjury, that the information and/or recommendations contained in the attached report for the above-referenced site are true and correct to the best of my knowledge.

If you have any questions or need additional information, please do not hesitate to call me at (510) 562-9500, or Mr. Peter McIntyre at AEI Consultants, (925) 746-6004.

Sincerely,

MACARTHUR BOULEVARD ASSOCIATES
(a California limited partnership)

BY: JAY-PHARES CORPORATION
(Its Management Agent)

By: 
John Jay, President

cc: Mr. Peter McIntyre, AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597



AEI Consultants

Environmental & Engineering Services

August 3, 2016

GROUNDWATER MONITORING REPORT- 1ST SEMESTER 2016

Property Identification:

10700 MacArthur Boulevard
Oakland, California 94605

AEI Project No. 261829
Toxics Case No. RO0002580

Prepared for:

Jay-Phares Corporation
Attn: Mr. John Jay
10700 MacArthur Blvd., Suite 200
Oakland, CA 94605

Prepared by:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
(925) 746-6000

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August 3, 2016

Jay-Phares Corporation
Attn: Mr. John Jay
10700 MacArthur Blvd., Suite 200
Oakland, CA 94605

Subject: Groundwater Monitoring Report – 1st Semester, 2016
10700 MacArthur Boulevard
Oakland, California 94605
AEI Project No. 261829
Toxics Case No. RO0002580

Dear Mr. Jay:

AEI Consultants (AEI) has prepared this groundwater monitoring report on behalf of The Jay-Phares Corporation, the manager of the Foothill Square Shopping Center. Groundwater monitoring was performed to document groundwater quality beneath and around the Site and to monitor the stability of the chlorinated volatile organic compound (VOC) plume beneath the property.

This report was prepared in accordance with the requirements of the Alameda County Health Care Services Agency (ACHCSA). This report summarizes the activities and results of the semi-annual monitoring activities conducted on April 22, 2016.

Background

The subject property (hereinafter referred to as the site or property) is located at 10700 MacArthur Boulevard (see Figure 1). The site is approximately 13.5 acres in size and is currently developed with the Foothill Square Shopping Center. The shopping center consists of eight buildings, totaling approximately 183,000 square feet. The area of concern is the former Young's Cleaners, located on the north side of the property.

The site is situated in a mixed commercial and residential area of Oakland. It is bounded by MacArthur Boulevard to the west, Foothill Boulevard to the east, and 108th Avenue to the south. An ARCO gasoline station is located adjacent to the northwest and residences to the north. Refer to Figure 2 for a site plan of the western section of the Foothill Square Shopping Center property.

To date, extensive site assessment activities have been conducted, including the installation of monitoring wells, soil borings, and soil vapor borings, as well as source removal excavation. The most recent investigation included additional soil vapor borings, which were completed for vapor phase contaminant delineation. An approval for pilot study site mitigation activities was obtained

from the ACHCSA, and the pilot study activities are currently ongoing. For a complete history of previous site investigation activities, please refer to AEI's *Interim Remediation Status Report* dated June 10, 2015.

Summary of Monitoring Activities

On April 22, 2016, AEI gauged the groundwater levels in each of the accessible active groundwater monitoring wells at the site (including Wells AMW-1, AMW-6R, AMW-8, AMW-9, FHS MW-10, and FHS MW-11). Groundwater samples were collected from each of the wells (AMW-1, AMW-6R, AMW-9, and FHS MW-11) in accordance with the approved sampling schedule. All accessible wells were first opened and water levels allowed to equilibrate with atmospheric pressure. The depth to water from the top of the well casings was measured with an electric water level indicator prior to sampling. Upon equilibration, the wells were then purged of at least three well volumes either using a battery-powered submersible pump or bailed by hand. Field data sheets are included in Appendix A.

During well purging, groundwater parameters, including temperature, pH, specific conductivity, dissolved oxygen, and oxidation-reduction potential (ORP), were measured and the turbidity was visually noted. Once the above parameters had stabilized, and the wells were allowed to recharge to a minimum of 90% of their original standing water volume, a groundwater sample was collected. Groundwater samples were collected from each well using a submersible pump or disposable bailers.

Upon collection, groundwater samples were transferred into three 40-milliliter volatile organic analysis (VOA) vials. These sample containers were capped so that no headspace or air bubbles were visible. The samples were labeled with unique identifiers, stored over ice inside a chilled ice chest. The samples were transported under chain-of-custody documentation to McCampbell Analytical, Inc. of Pittsburg, California (Department of Health Services Certification #1644). Groundwater samples were analyzed for halogenated volatile organic compounds (HVOCs) using EPA Method 8260.

Field Results

Generally, the wells at the site are categorized as being screened either within a shallow water-bearing zone or a deeper water-bearing zone. Shallow zone wells (AMW-1 and AMW-6R) are screened at depths between approximately 16 and 25 feet below ground surface (bgs). Deeper water-bearing zone wells (AMW-8, AMW-9, FHS MW-10 and FHS MW-11) are generally screened at depths between approximately 21 and 33 feet bgs. Well screen intervals, where known, are presented in Table 1.

Since the last monitoring event, groundwater elevations in the shallow water-bearing zone decreased in well AMW-1 by 2.28 feet, and increased by 0.32 feet in AMW-6R. Groundwater elevations in the deeper water-bearing zone generally increased between approximately 1 and 7 feet. The groundwater elevation in shallow zone Well AMW-1 was measured at 41.50 feet above mean sea level (msl). Due to lack of survey data for monitoring well AMW-6R and limited number of wells, sufficient data was not available to generating a groundwater elevation map for the shallow zone. Historically, shallow zone groundwater typically flows to the west. Groundwater elevations in the deeper water-bearing zone ranged from 28.50 to 45.57 feet msl. The differences

in groundwater elevations between the shallow and deeper water-bearing zones suggests that the deeper water-bearing zone occurs under semi-confined/confined conditions. Groundwater flow in the deeper zone is to the west-southwest at a gradient of approximately 0.032 feet per foot (ft/ft), which is relatively consistent with previous findings.

Historical groundwater level data, including the data obtained during this event, is summarized in Table 1. Groundwater elevation contours for deeper zone monitoring wells are shown in Figure 4. Refer to Appendix A for Groundwater Monitoring Well Field Sampling Forms.

Groundwater Quality

Tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2 dichloroethene (cis-1,2 DCE), and trans-1,2-dichloroethene (trans-1,2-DCE) were detected in groundwater in shallow well AMW-6R at concentrations of 990 micrograms per liter ($\mu\text{g/L}$), 170 $\mu\text{g/L}$, 140 $\mu\text{g/L}$, and 18 $\mu\text{g/L}$ respectively. These concentrations are an increase from the prior event. PCE was detected in well AMW-1 at a concentration of 1.4 $\mu\text{g/L}$. No other HVOCs were detected in AMW-1 at or above the laboratory detection limits. PCE was detected in deeper zone wells AMW-9 and FHS MW-11 at concentrations 180 $\mu\text{g/L}$ and 5.6 $\mu\text{g/L}$, respectively. Cis-1,2-DCE or trans-1,2-DCE was not detected at or above the laboratory detection limit in any of the deeper zone groundwater samples. The distribution of HVOCs detected in groundwater during this event is shown on Figure 5.

Historical groundwater quality data, including the results obtained during this event, is presented in Table 2. Certified analytical laboratory reports and chain of custody documentation are provided in Appendix B.

Summary

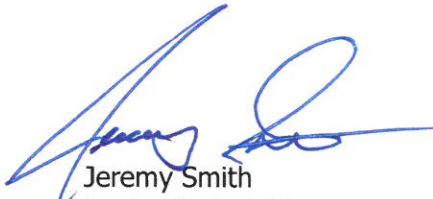
The report presents the findings of the second semi-annual groundwater monitoring event at the site, conducted during the 1st Quarter 2016. Decreasing and non-detect results for PCE in offsite wells indicate a stable and defined plume offsite. The groundwater monitoring well network will continue to be sampled by AEI in accordance with the ACHCSA-approved semi-annual sampling schedule. The next groundwater monitoring event is scheduled for October 2016.

Report Limitations and Signatures


This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of the site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices in the environmental engineering and consulting field, which existed at the time and location of the work. If you have any questions regarding our investigation, please do not hesitate to contact one of us at (925) 746-6000.

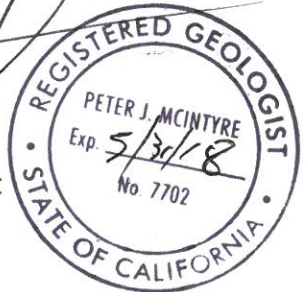
Sincerely,
AEI Consultants



Jeremy Smith
Senior Project Manager



Peter McIntyre, PG
Executive Vice President



Figures

- Figure 1: Site Location Map
- Figure 2: Extended Site Plan
- Figure 3: Site Plan
- Figure 4: Groundwater Elevation Map – Deep Wells (4/22/16)
- Figure 5: Groundwater Analytical Data (4/22/16)

Tables

- Table 1: Groundwater Level Data
- Table 2: Groundwater Sample Analytical Data

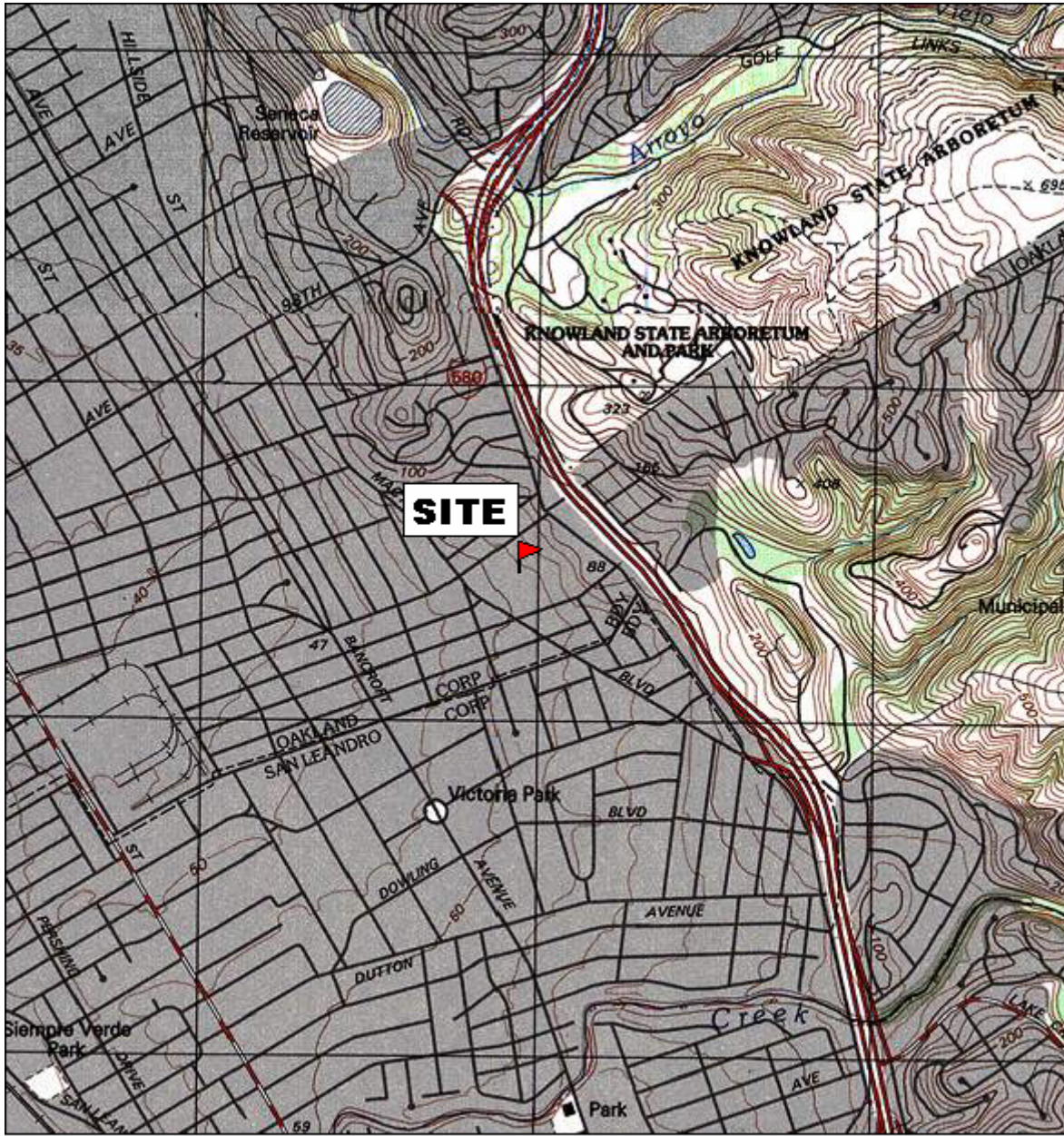
Appendix A: Groundwater Monitoring Well Field Sampling Forms

Appendix B: Laboratory Analyses with Chain of Custody Documentation

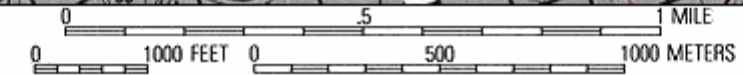
Distribution:

Kit Soo, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502 (electronic copy)
Jay-Phares Corporation, Attn; John Jay, 10700 MacArthur Blvd., Oakland, California 94605
Geotracker electronic upload

FIGURES

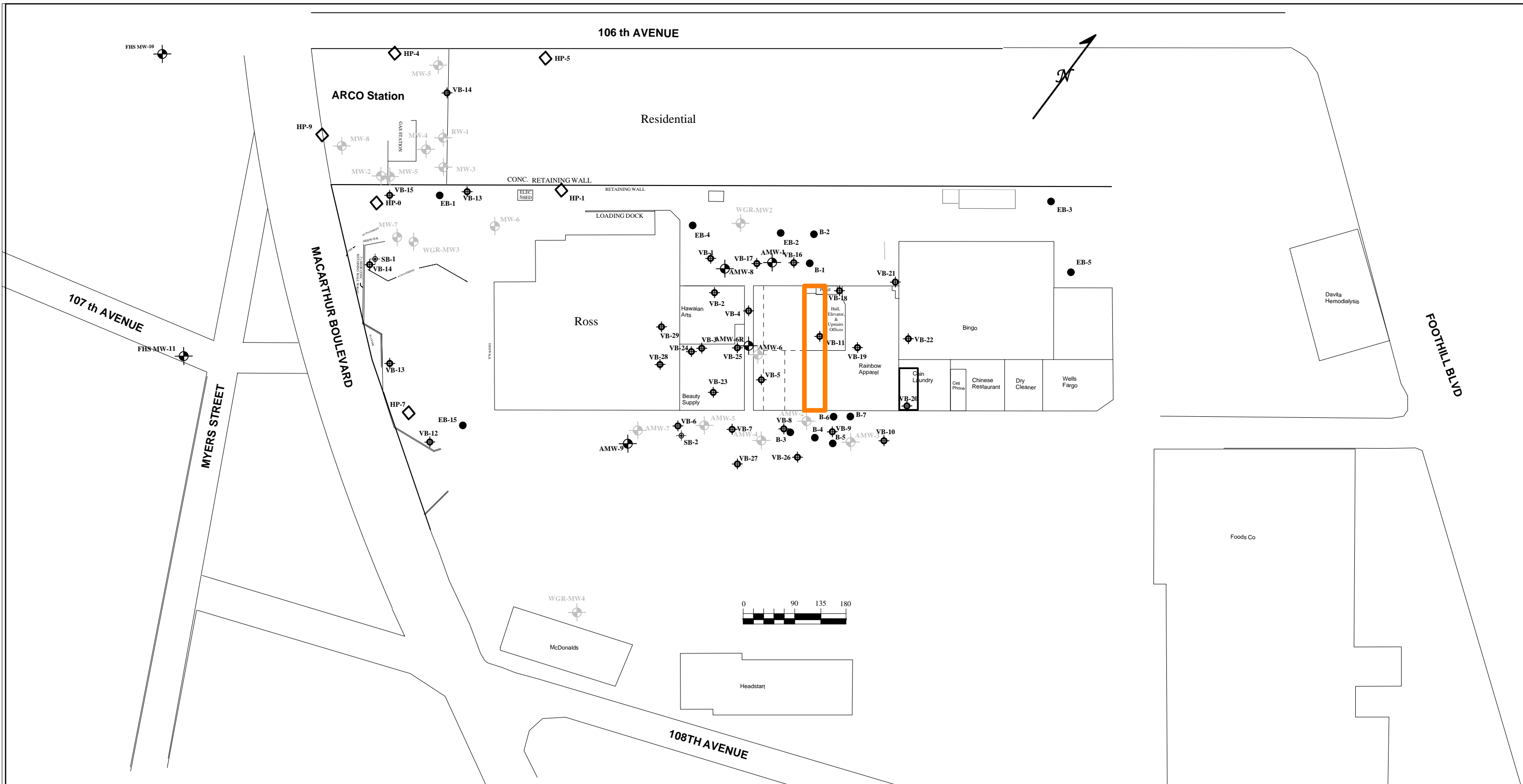


TN \star MN
15 $\frac{1}{2}$ $^{\circ}$



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| | |
|---|---------------------------------------|
| AEI CONSULTANTS 2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597 | |
| SITE LOCATION MAP | |
| 10700 MACARTHUR BLVD OAKLAND, CALIFORNIA | FIGURE 1 PROJECT No. 261829 |

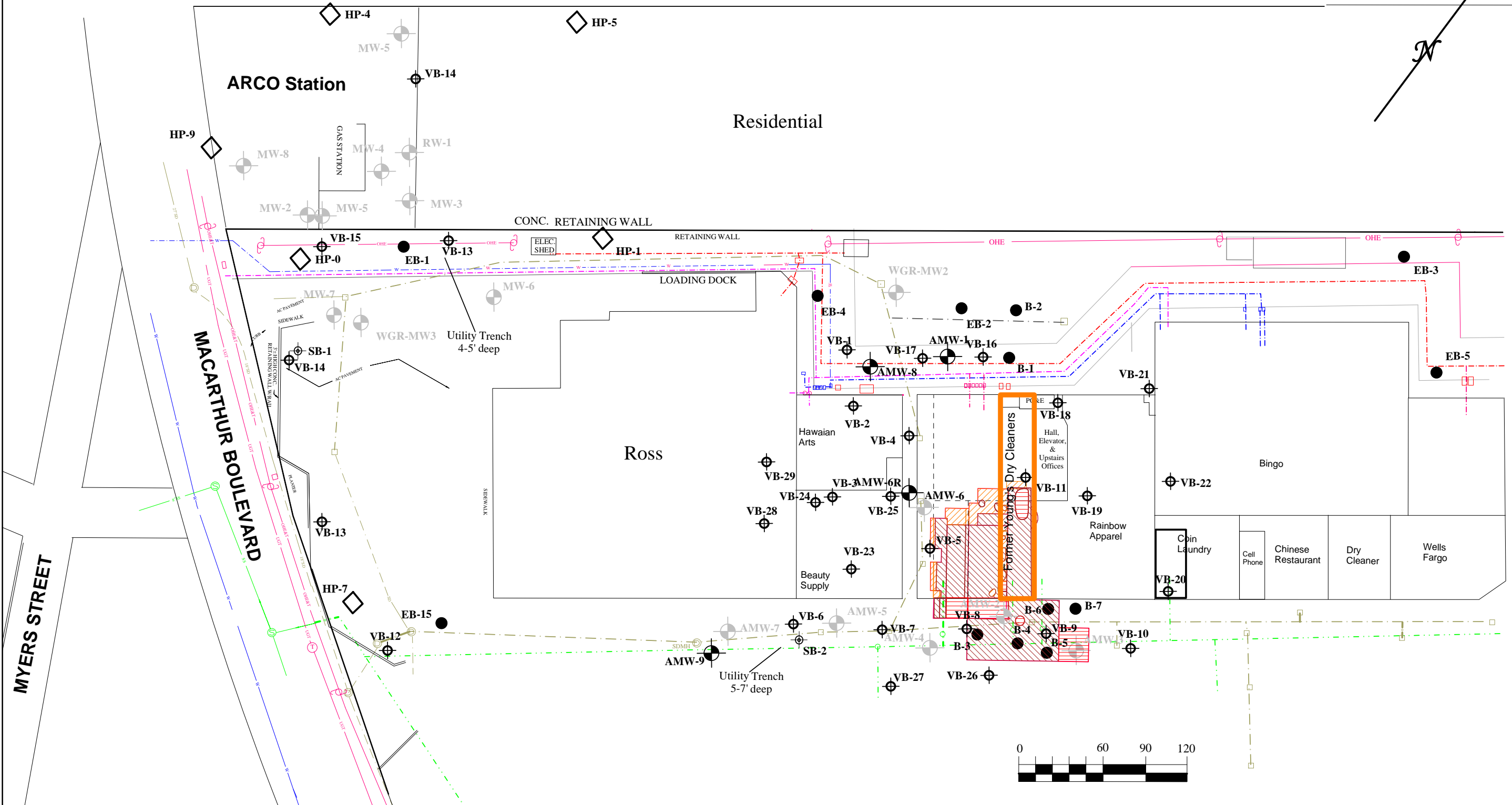
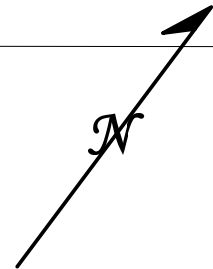


- KEY**
- EB-1 ● Soil Boring - Kaldveer 1988
 - B-1 ● Soil Boring - Augeas 1994
 - HP-8 ◊ CPT Boring/HydroPunch Sample - PES 1997
 - MW4 ● Groundwater Monitoring Well
 - MW4 ◐ Abandoned Groundwater Monitoring Well
 - MW4 ⊕ Soil Boring - AEI 2006

- ◻ Former Dry Cleaner Location
- ⊕ Soil Vapor Sample

Drafted 6/30/05 - RFF on Dirk Slooten base
 Revised 05/15 by J.SMITH

| | |
|--|---------------------------------------|
| AEI CONSULTANTS | |
| 2500 CAMINO DIABLO, WALNUT CREEK, CA | |
| EXTENDED SITE PLAN | |
| 10700 MACARTHUR BLVD. OAKLAND, CALIFORNIA | FIGURE 2 PROJECT NO. 261829 |

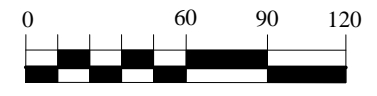


- KEY**
- EB-1 ● Soil Boring - Kaldveer 1988
 - B-1 ● Soil Boring - Augeas 1994
 - HP-8 ◊ CPT Boring/HydroPunch Sample - PES 1997
 - MW4 ● Groundwater Monitoring Well
 - MW4 ○ Abandoned Groundwater Monitoring Well
 - ⊕ Soil Vapor Sample
 - ⊙ Soil Boring - AEI 2006

- Excavated to depth of 5 to 7 feet bgs
- Excavated to depth of 8 to 13 feet bgs
- Excavated to depth of 14 to 18 feet bgs

- On Site Storm Drain
- Off Site Storm Drain
- On Site Sanitary Sewer
- Off Site Sanitary Sewer
- On Site Underground Power
- On Site Gas Line

Drafted 6/30/05 - RFF on Dirk Slooten base
Revised 05/15 by J.SMITH

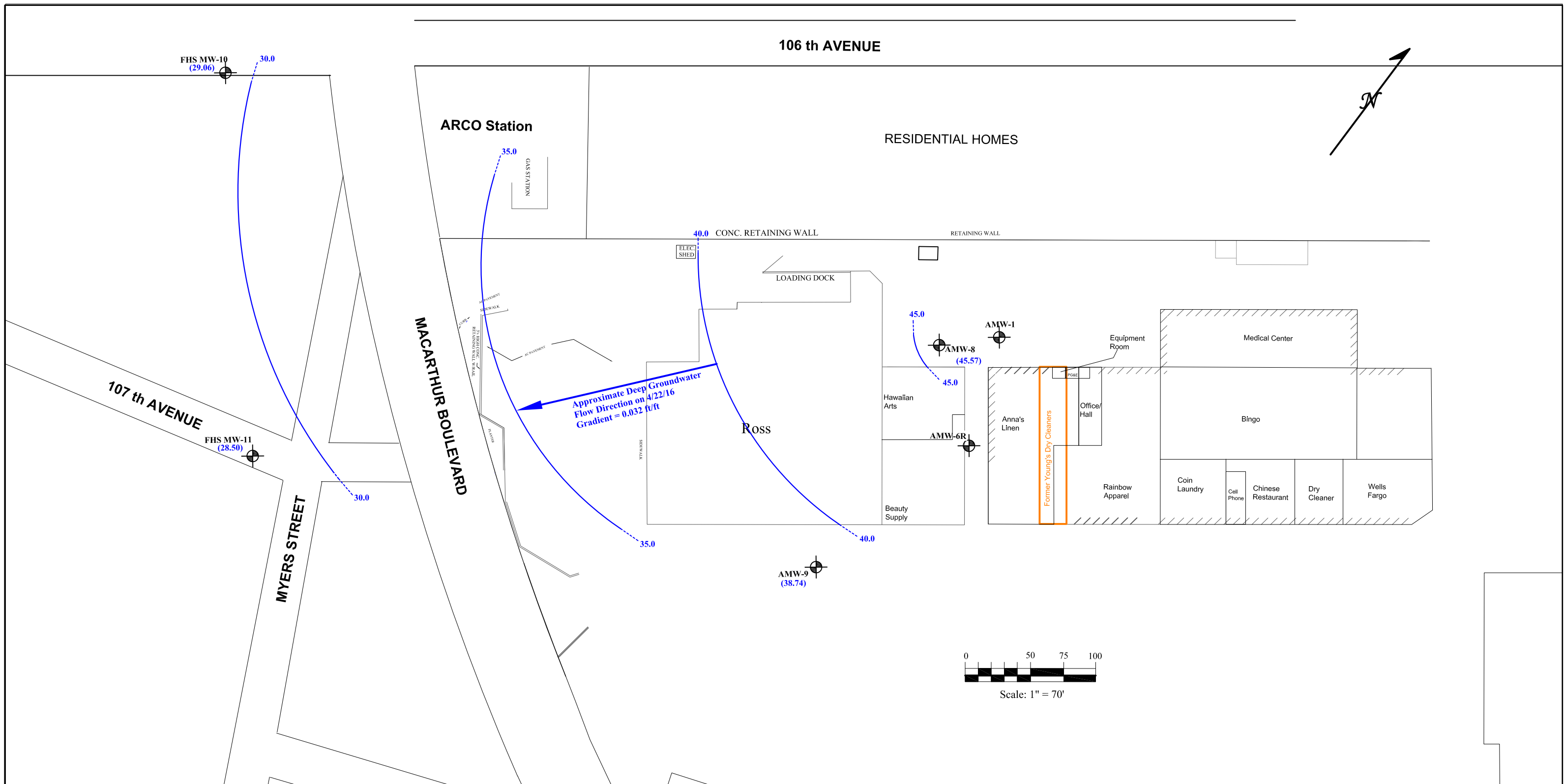


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2500 CAMINO DIABLO, WALNUT CREEK, CA


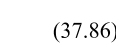

SITE PLAN

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 3
PROJECT NO. 261829



LEGEND

-  Groundwater Monitoring Well
-  (37.86) = Groundwater Elevation (msl)
-  Groundwater Elevation Contour (feet, msl)

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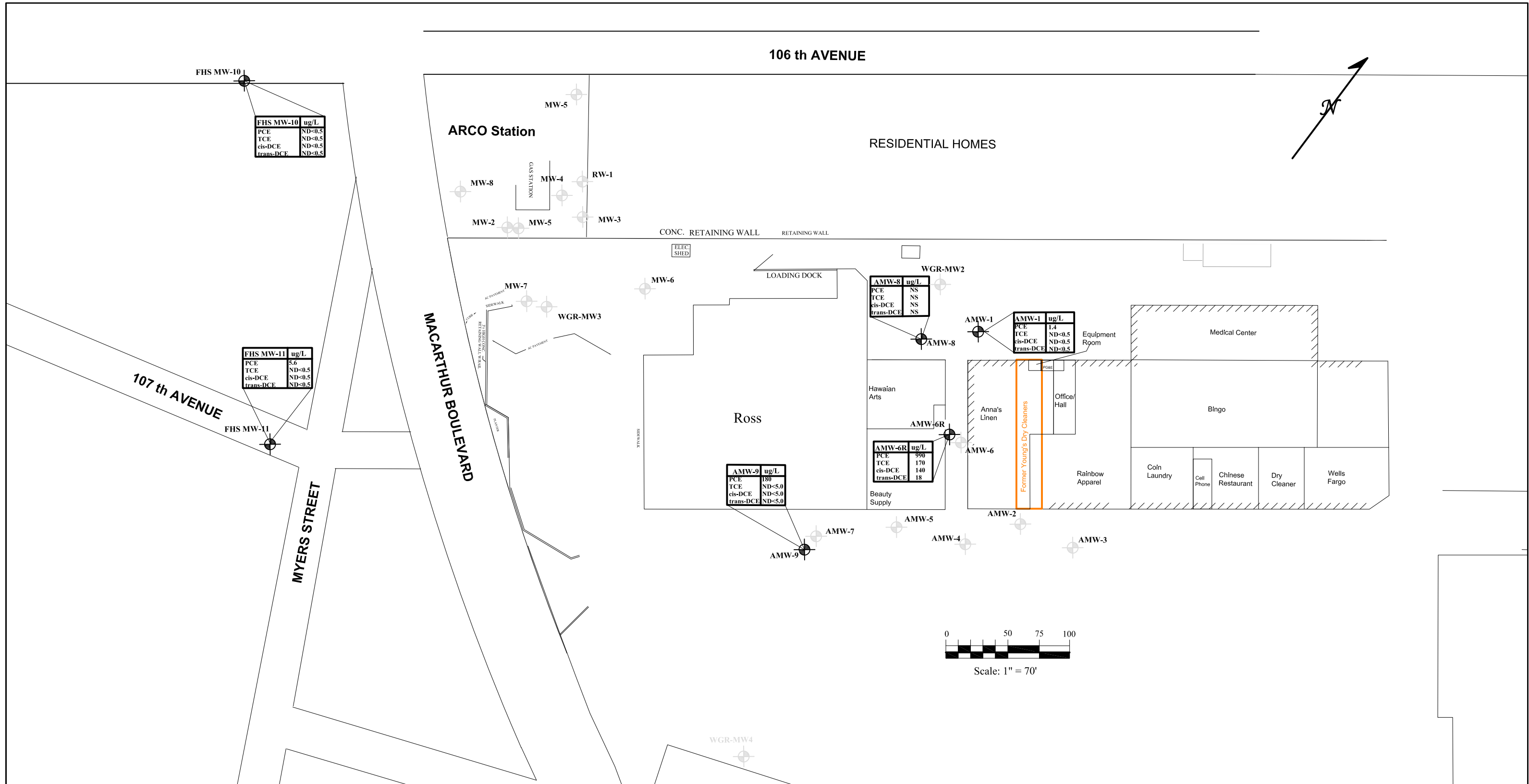
2500 CAMINO DIABLO, WALNUT CREEK, CA



**Groundwater Elevation Map -
Deep Wells (4/22/16)**

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 4
PROJECT NO. 261829

(25.55) Groundwater Elevation (NAVD88)



- KEY**
-  Abandoned Monitoring Well
 -  Groundwater Monitoring Well

PCE = tetrachloroethene
TCE = trichloroethene
cis-DCE = cis 1,2-Dichloroethene
ug/L = micrograms per liter (ppb)
NS = not sampled

AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

Groundwater Analytical Data
(4/22/16)

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 5
PROJECT NO. 261829

| FHS MW-10 ug/L | |
|----------------|--------|
| PCE | ND<0.5 |
| TCE | ND<0.5 |
| cis-DCE | ND<0.5 |
| trans-DCE | ND<0.5 |

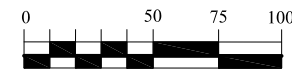
| FHS MW-11 ug/L | |
|----------------|--------|
| PCE | 5.6 |
| TCE | ND<0.5 |
| cis-DCE | ND<0.5 |
| trans-DCE | ND<0.5 |

| AMW-9 ug/L | |
|------------|--------|
| PCE | 180 |
| TCE | ND<5.0 |
| cis-DCE | ND<5.0 |
| trans-DCE | ND<5.0 |

| AMW-8 ug/L | |
|------------|----|
| PCE | NS |
| TCE | NS |
| cis-DCE | NS |
| trans-DCE | NS |

| AMW-1 ug/L | |
|------------|--------|
| PCE | 1.4 |
| TCE | ND<0.5 |
| cis-DCE | ND<0.5 |
| trans-DCE | ND<0.5 |

| AMW-6R ug/L | |
|-------------|-----|
| PCE | 990 |
| TCE | 170 |
| cis-DCE | 140 |
| trans-DCE | 18 |



Scale: 1" = 70'

TABLES

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|---------------------------|------------------|-----------------------------|------------------------------------|---------------------------|--------------------------------------|
| AMW-1 (Shallow) | 1/29/1999 | 24-34 | 64.51 | 23.01 | 41.50 |
| | 5/5/1999 | | 64.51 | 21.25 | 43.26 |
| | 10/9/1999 | | 64.51 | 24.14 | 40.37 |
| | 1/20/2000 | | 64.51 | 24.66 | 39.85 |
| | 8/8/2000 | | 64.51 | 23.30 | 41.21 |
| | 2/15/2001 | | 64.51 | 23.22 | 41.29 |
| | 8/29/2001 | | 64.51 | 24.38 | 40.13 |
| | 3/12/2002 | | 64.51 | 21.29 | 43.22 |
| | 9/27/2002 | | 64.51 | 23.62 | 40.89 |
| | 3/25/2003 | | 64.51 | 22.45 | 42.06 |
| | 10/2/2003 | | 64.51 | 24.31 | 40.20 |
| | 10/17/2006 | | 64.51 | 22.91 | 41.60 |
| | 5/3/2007 | | 64.51 | 18.61 | 45.90 |
| | 10/17/2007 | | 64.51 | 23.97 | 40.54 |
| | 4/1/2008 | | 64.51 | 22.02 | 42.49 |
| | 10/2/2008 | | 64.51 | 24.21 | 40.30 |
| | 4/2/2009 | | 64.51 | 22.49 | 42.02 |
| | 10/2/2009 | | 64.51 | 24.38 | 40.13 |
| | 4/9/2010 | | 64.51 | 21.68 | 42.83 |
| | 11/10/2010 | | 64.51 | 24.11 | 40.40 |
| | 5/27/2011 | | 64.51 | 20.98 | 43.53 |
| | 10/19/2011 | | 64.51 | 23.41 | 41.10 |
| | 4/30/2012 | | 64.51 | 22.19 | 42.32 |
| | 10/29/2012 | | 64.51 | 24.31 | 40.20 |
| | 4/26/2013 | | 64.51 | 22.39 | 42.12 |
| | 10/11/2013 | | 64.51 | 24.37 | 40.14 |
| | 4/16/2014 | | 64.51 | 23.01 | 41.50 |
| 10/14/2014 | 64.51 | 24.73 | 39.78 | | |
| 5/7/2015 | 64.51 | 24.01 | 40.50 | | |
| 10/26/2015 | 64.51 | 25.29 | 39.22 | | |
| | 4/22/2016 | | 64.51 | 23.01 | 41.50 |
| AMW-4 (Shallow) | 1/29/1999 | 15-25 | 64.79 | 11.51 | 53.28 |
| | 5/5/1999 | | 64.79 | 10.14 | 54.65 |
| | 10/9/1999 | | 64.79 | 12.04 | 52.75 |
| | 1/20/2000 | | 64.79 | 13.50 | 51.29 |
| | 8/8/2000 | | 64.79 | 11.74 | 53.05 |
| | 2/15/2001 | | 64.79 | 12.32 | 52.47 |
| | 8/29/2001 | | 64.79 | 12.40 | 52.39 |
| | 3/12/2002 | | 64.79 | 10.13 | 54.66 |
| | 9/27/2002 | | 64.79 | 12.14 | 52.65 |
| | 3/25/2003 | | 64.79 | 11.03 | 53.76 |
| | 10/2/2003 | | 64.79 | 12.33 | 52.46 |
| | 10/17/2006 | | 64.79 | 12.76 | 52.03 |
| | 5/3/2007 | | 64.79 | 11.11 | 53.68 |
| | 10/17/2007 | | 64.79 | 12.64 | 52.15 |
| | 4/1/2008 | | 64.79 | 11.49 | 53.30 |
| | 10/2/2008 | | 64.79 | 13.34 | 51.45 |
| | 4/2/2009 | | 64.79 | 12.21 | 52.58 |
| | 10/2/2009 | | 64.79 | 13.91 | 50.88 |
| | 4/9/2010 | | 64.79 | 11.23 | 53.56 |
| | 11/10/2010 | | 64.79 | 12.85 | 51.94 |
| 5/27/2011 | 64.79 | 10.25 | 54.54 | | |
| 10/19/2011 | 64.79 | 12.42 | 52.37 | | |
| 4/30/2012 | 64.79 | 11.49 | 53.30 | | |
| 10/29/2012 | | | Well Destroyed during Construction | | |

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|-----------------------------------|---|-------------------------------------|--|------------------------------------|---|
| AMW-5 (Shallow) | 1/29/1999 | 20-30 | 64.97 | 13.87 | 51.10 |
| | 5/5/1999 | | 64.97 | 12.83 | 52.14 |
| | 10/9/1999 | | 64.97 | 14.25 | 50.72 |
| | 1/20/2000 | | 64.97 | 14.91 | 50.06 |
| | 8/8/2000 | | 64.97 | 14.14 | 50.83 |
| | 2/15/2001 | | 64.97 | 14.32 | 50.65 |
| | 8/29/2001 | | 64.97 | 14.72 | 50.25 |
| | 3/12/2002 | | 64.97 | 13.12 | 51.85 |
| | 9/27/2002 | | 64.97 | 14.62 | 50.35 |
| | 3/25/2003 | | 64.97 | 13.45 | 51.52 |
| | 10/2/2003 | | 64.97 | 14.74 | 50.23 |
| | 10/17/2006 | | 64.97 | 14.15 | 50.82 |
| | 5/3/2007 | | 64.97 | 13.92 | 51.05 |
| | 10/17/2007 | | 64.97 | 15.06 | 49.91 |
| | 4/1/2008 | | 64.97 | 14.14 | 50.83 |
| | 10/2/2008 | | 64.97 | 15.72 | 49.25 |
| | 4/2/2009 | | 64.97 | 14.62 | 50.35 |
| | 10/2/2009 | | 64.97 | 16.18 | 48.79 |
| | 4/9/2010 | | 64.97 | 13.98 | 50.99 |
| | 11/10/2010 | | 64.97 | 15.78 | 49.19 |
| 5/27/2011 | 64.97 | 13.65 | 51.32 | | |
| 10/19/2011 | 64.97 | 14.68 | 50.29 | | |
| 4/30/2012 | 64.97 | 14.87 | 50.10 | | |
| 10/29/2012 | Well Destroyed during Construction | | | | |
| AMW-6 (Shallow) | 1/29/1999 | ? - 25 | 65.10 | 12.74 | 52.36 |
| | 5/5/1999 | | 65.10 | 11.30 | 53.80 |
| | 10/9/1999 | | 65.10 | 13.29 | 51.81 |
| | 1/20/2000 | | 65.10 | 14.21 | 50.89 |
| | 8/8/2000 | | 65.10 | 12.95 | 52.15 |
| | 2/15/2001 | | 65.10 | 12.64 | 52.46 |
| | 8/29/2001 | | 65.10 | 13.65 | 51.45 |
| | 3/12/2002 | | 65.10 | 11.41 | 53.69 |
| | 9/27/2002 | | 65.10 | 13.25 | 51.85 |
| | 3/25/2003 | | 65.10 | 12.22 | 52.88 |
| | 10/2/2003 | | 65.10 | 14.74 | 50.36 |
| | 10/17/2006 | | 65.10 | 11.46 | 53.64 |
| | 5/3/2007 | | 65.10 | 13.04 | 52.06 |
| | 10/17/2007 | | 65.10 | 13.87 | 51.23 |
| | 4/1/2008 | | 65.10 | 12.64 | 52.46 |
| | 10/2/2008 | | 65.10 | 14.54 | 50.56 |
| | 4/2/2009 | | 65.10 | 13.38 | 51.72 |
| | 10/2/2009 | | 65.10 | 16.03 | 49.07 |
| | 4/9/2010 | | 65.10 | 12.75 | 52.35 |
| | 11/10/2010 | | 65.10 | 14.56 | 50.54 |
| 5/27/2011 | Well Destroyed and Replaced with AMW-6R | | | | |
| AMW-6R (Shallow) | 5/27/2011 | 13-23 | NA | 14.70 | NA |
| | 10/19/2011 | | NA | 14.50 | NA |
| | 4/30/2012 | | NA | 15.94 | NA |
| | 10/29/2012 | | NA | 14.54 | NA |
| | 4/26/2013 | | NA | 14.18 | NA |
| | 10/11/2013 | | NA | 14.58 | NA |
| | 4/16/2014 | | NA | 13.84 | NA |
| | 10/14/2014 | | NA | 16.31 | NA |
| | 5/7/2015 | | NA | 7.18 | NA |
| | 10/26/2015 | | NA | 16.01 | NA |
| 4/22/2016 | NA | 15.69 | NA | | |

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|-----------------------------------|------------------|-------------------------------------|--|------------------------------------|---|
| AMW-7 (Shallow) | 1/29/1999 | Unknown | 64.24 | 14.91 | 49.33 |
| | 5/5/1999 | | | Well Covered during consturction | |
| AMW-8 (Deep) | 1/29/1999 | ? - 45 | 64.55 | 16.86 | 47.69 |
| | 5/5/1999 | | 64.55 | 14.46 | 50.09 |
| | 10/9/1999 | | 64.55 | 17.10 | 47.45 |
| | 1/20/2000 | | 64.55 | 18.51 | 46.04 |
| | 8/8/2000 | | 64.55 | 16.71 | 47.84 |
| | 2/15/2001 | | 64.55 | 17.31 | 47.24 |
| | 8/29/2001 | | 64.55 | 18.30 | 46.25 |
| | 3/12/2002 | | 64.55 | 16.03 | 48.52 |
| | 9/27/2002 | | 64.55 | 18.03 | 46.52 |
| | 3/25/2003 | | 64.55 | 17.31 | 47.24 |
| | 10/2/2003 | | 64.55 | 21.54 | 43.01 |
| | 10/17/2006 | | 64.55 | 16.05 | 48.5 |
| | 5/3/2007 | | 64.55 | 23.01 | 41.54 |
| | 10/17/2007 | | 64.55 | 18.34 | 46.21 |
| | 4/1/2008 | | 64.55 | 17.49 | 47.06 |
| | 10/2/2008 | | 64.55 | 19.10 | 45.45 |
| | 4/2/2009 | | 64.55 | 18.18 | 46.37 |
| | 10/2/2009 | | 64.55 | 19.75 | 44.80 |
| | 4/9/2010 | | 64.55 | 17.76 | 46.79 |
| | 11/10/2010 | | 64.55 | 19.41 | 45.14 |
| | 5/27/2011 | | 64.55 | 15.92 | 48.63 |
| | 10/19/2011 | | 64.55 | 17.15 | 47.40 |
| | 4/30/2012 | | 64.55 | 17.16 | 47.39 |
| | 10/29/2012 | | 64.55 | 18.72 | 45.83 |
| | 4/26/2013 | | 64.55 | 17.61 | 46.94 |
| | 10/11/2013 | | 64.55 | 19.11 | 45.44 |
| 4/16/2014 | 64.55 | 18.02 | 46.53 | | |
| 10/14/2014 | 64.55 | 20.98 | 43.57 | | |
| 5/7/2015 | 64.55 | 27.57 | 36.98 | | |
| 10/26/2015 | 64.55 | 21.00 | 43.55 | | |
| | 4/22/2016 | | 64.55 | 18.98 | 45.57 |
| AMW-9 (Deep) | 1/29/1999 | ? - 55 | 63.48 | 23.22 | 40.26 |
| | 5/5/1999 | | 63.48 | 21.40 | 42.08 |
| | 10/9/1999 | | 63.48 | 23.74 | 39.74 |
| | 1/20/2000 | | 63.48 | 24.92 | 38.56 |
| | 8/8/2000 | | 63.48 | 23.01 | 40.47 |
| | 2/15/2001 | | 63.48 | 21.20 | 42.28 |
| | 8/29/2001 | | 63.48 | 22.59 | 40.89 |
| | 3/12/2002 | | 63.48 | 21.94 | 41.54 |
| | 9/27/2002 | | 63.48 | 24.16 | 39.32 |
| | 3/25/2003 | | 63.48 | 23.00 | 40.48 |
| | 10/2/2003 | | 63.48 | 23.80 | 39.68 |
| | 10/17/2006 | | 63.48 | 23.07 | 40.41 |
| | 5/3/2007 | | 63.48 | 23.17 | 40.31 |
| | 10/17/2007 | | 63.48 | 24.97 | 38.51 |
| | 4/1/2008 | | 63.48 | 22.97 | 40.51 |
| | 10/2/2008 | | 63.48 | 25.65 | 37.83 |
| | 4/2/2009 | | 63.48 | 23.80 | 39.68 |
| | 10/2/2009 | | 63.48 | 25.98 | 37.50 |
| | 4/9/2010 | | 63.48 | 22.80 | 40.68 |
| | 11/10/2010 | | 63.48 | 25.36 | 38.12 |
| | 5/27/2011 | | 63.48 | 21.73 | 41.75 |
| | 10/19/2011 | | 63.48 | 24.07 | 39.41 |
| | 4/30/2012 | | 63.48 | 22.90 | 40.58 |
| | 10/29/2012 | | 63.48 | 25.49 | 37.99 |
| | 4/26/2013 | | 63.48 | 23.49 | 39.99 |
| | 10/11/2013 | | 63.48 | 25.33 | 38.15 |
| 4/16/2014 | 63.48 | 24.53 | 38.95 | | |
| 10/14/2014 | 63.48 | 26.22 | 37.26 | | |
| 5/7/2015 | 63.48 | 25.62 | 37.86 | | |
| 10/26/2015 | 63.48 | 26.70 | 36.78 | | |
| | 4/22/2016 | | 63.48 | 24.74 | 38.74 |

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|-----------------------------------|---|-------------------------------------|--|------------------------------------|---|
| WGR MW-2 (Shallow) | 1/29/1999 | 23-28 | 63.18 | 23.41 | 39.77 |
| | 5/5/1999 | | 63.18 | 21.41 | 41.77 |
| | 10/9/1999 | | 63.18 | 24.62 | 38.56 |
| | 1/20/2000 | | 63.18 | 25.24 | 37.94 |
| | 8/8/2000 | | 63.18 | 23.41 | 39.77 |
| | 8/29/2001 | | 63.18 | 25.09 | 38.09 |
| | 3/12/2002 | | 63.18 | 21.86 | 41.32 |
| | 9/27/2002 | | 63.18 | 24.69 | 38.49 |
| | 3/25/2003 | | 63.18 | 23.71 | 39.47 |
| | 10/2/2003 | | 63.18 | 25.13 | 38.05 |
| | 10/17/2006 | | 63.18 | 23.91 | 39.27 |
| | 5/3/2007 | | 63.18 | 24.11 | 39.07 |
| | 10/17/2007 | | 63.18 | NA | NA |
| | 4/1/2008 | | 63.18 | 22.83 | 40.35 |
| | 10/2/2008 | | 63.18 | 25.53 | 37.65 |
| | 4/2/2009 | | 63.18 | 23.23 | 39.95 |
| | 10/2/2009 | | 63.18 | 25.70 | 37.48 |
| | 4/9/2010 | | 63.18 | 22.36 | 40.82 |
| | 11/10/2010 | | 63.18 | 24.79 | 38.39 |
| | 5/27/2011 | | 63.18 | 21.56 | 41.62 |
| 10/19/2011 | 63.18 | 24.06 | 39.12 | | |
| 4/30/2012 | 63.18 | NA | NA | | |
| 10/29/2012 | 63.18 | 29.05 | 34.13 | | |
| 4/26/2013 | 63.18 | 23.54 | 39.64 | | |
| 10/11/2013 | 63.18 | 25.72 | 37.46 | | |
| 4/16/2014 | 63.18 | 24.42 | 38.76 | | |
| | | Destroyed/ Covered with Black Top | | | |
| WGR MW-3 (Shallow) | 1/29/1999 | 22-27 | 58.34 | 15.81 | 42.53 |
| | 5/5/1999 | | 58.34 | 18.43 | 39.91 |
| | 10/9/1999 | | 58.34 | 21.38 | 36.96 |
| | 1/20/2000 | | 58.34 | 19.76 | 38.58 |
| | 8/8/2000 | | 58.34 | 20.88 | 37.46 |
| | 8/29/2001 | | 58.34 | 21.22 | 37.12 |
| | 3/12/2002 | | 58.34 | 14.80 | 43.54 |
| | 9/27/2002 | | 58.34 | 22.32 | 36.02 |
| | 3/25/2003 | | 58.34 | 18.07 | 40.27 |
| | 10/2/2003 | | 58.34 | 22.22 | 36.12 |
| | 10/17/2006 | | 58.34 | 21.85 | 36.49 |
| | 5/3/2007 | | 58.34 | 18.37 | 39.97 |
| | 10/17/2007 | | 58.34 | NA | NA |
| | 4/1/2008 | | 58.34 | 18.74 | 39.60 |
| | 10/2/2008 | | 58.34 | 23.62 | 34.72 |
| | 4/2/2009 | | 58.34 | 17.89 | 40.45 |
| | 10/2/2009 | | 58.34 | 22.16 | 36.18 |
| 4/9/2010 | 58.34 | 15.71 | 42.63 | | |
| 11/10/2010 | 58.34 | 21.75 | 36.59 | | |
| 5/27/2011 | Well Destroyed by ARCO; Case Closure at 10600 MacArthur Blvd. | | | | |

**Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California**

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|-----------------------------------|------------------------------------|-------------------------------------|--|------------------------------------|---|
| WGR MW-4 (Deep) | 1/29/1999 | 23-45 | 60.02 | 26.23 | 33.79 |
| | 5/5/1999 | | 60.02 | 23.80 | 36.22 |
| | 10/9/1999 | | 60.02 | 27.73 | 32.29 |
| | 1/20/2000 | | 60.02 | 27.97 | 32.05 |
| | 8/8/2000 | | 60.02 | 26.00 | 34.02 |
| | 2/15/2001 | | 60.02 | 26.55 | 33.47 |
| | 8/29/2001 | | 60.02 | 27.14 | 32.88 |
| | 3/12/2002 | | 60.02 | 24.90 | 35.12 |
| | 9/27/2002 | | 60.02 | 27.09 | 32.93 |
| | 3/25/2003 | | 60.02 | 25.75 | 34.27 |
| | 10/2/2003 | | 60.02 | 27.41 | 32.61 |
| | 10/17/2006 | | 60.02 | 26.31 | 33.71 |
| | 5/3/2007 | | 60.02 | 26.13 | 33.89 |
| | 10/17/2007 | | 60.02 | 28.33 | 31.69 |
| | 4/1/2008 | | 60.02 | 25.91 | 34.11 |
| | 10/2/2008 | | 60.02 | 28.85 | 31.17 |
| | 4/2/2009 | | 60.02 | 25.77 | 34.25 |
| | 10/2/2009 | | 60.02 | 28.81 | 31.21 |
| | 4/9/2010 | | 60.02 | 25.01 | 35.01 |
| | 11/10/2010 | | 60.02 | 28.14 | 31.88 |
| 5/27/2011 | 60.02 | 24.51 | 35.51 | | |
| 10/19/2011 | 60.02 | 26.97 | 33.05 | | |
| 4/30/2012 | 60.02 | 24.48 | 35.54 | | |
| 10/29/2012 | 60.02 | 28.23 | 31.79 | | |
| 4/26/2013 | Well Destroyed during Construction | | | | |
| FHS MW-10 (Deep) | 1/29/1999 | 42-52 | 52.34 | 23.91 | 28.43 |
| | 5/5/1999 | | 52.34 | 20.55 | 31.79 |
| | 10/9/1999 | | 52.34 | 25.00 | 27.34 |
| | 1/20/2000 | | 52.34 | 27.23 | 25.11 |
| | 8/8/2000 | | 52.34 | 24.06 | 28.28 |
| | 2/15/2001 | | 52.34 | 24.16 | 28.18 |
| | 8/29/2001 | | 52.34 | 26.11 | 26.23 |
| | 3/12/2002 | | 52.34 | 23.94 | 28.40 |
| | 9/27/2003 | | 52.34 | 25.86 | 26.48 |
| | 3/25/2003 | | 52.34 | 23.20 | 29.14 |
| | 10/6/2003 | | 52.34 | 26.39 | 25.95 |
| | 10/17/2006 | | 52.34 | 24.35 | 27.99 |
| | 5/3/2007 | | 52.34 | 23.97 | 28.37 |
| | 10/17/2007 | | 52.34 | 27.71 | 24.63 |
| | 4/1/2008 | | 52.34 | 23.79 | 28.55 |
| | 10/2/2008 | | 52.34 | 28.40 | 23.94 |
| | 4/2/2009 | | 52.34 | 23.80 | 28.54 |
| | 10/2/2009 | | 52.34 | 28.51 | 23.83 |
| | 4/9/2010 | | 52.34 | 22.04 | 30.30 |
| | 11/10/2010 | | 52.34 | NA | NA |
| | 5/27/2011 | | 52.34 | 21.28 | 31.06 |
| | 10/19/2011 | | 52.34 | 24.18 | 28.16 |
| | 4/30/2012 | | 52.34 | 22.41 | 29.93 |
| | 10/29/2012 | | 52.34 | 25.25 | 27.09 |
| | 4/26/2013 | | 52.34 | 25.49 | 26.85 |
| | 10/11/2013 | | 52.34 | 28.83 | 23.51 |
| 4/16/2014 | 52.34 | 28.12 | 24.22 | | |
| 10/14/2014 | 52.34 | 31.15 | 21.19 | | |
| 5/7/2015 | 52.34 | 26.79 | 25.55 | | |
| 10/26/015 | 52.34 | 30.51 | 21.83 | | |
| 4/22/2016 | 52.34 | 23.28 | 29.06 | | |

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) | |
|-----------------------------------|--------------|---|--|------------------------------------|---|--|
| FHS MW-11 (Deep) | 1/29/1999 | 59-64 | 54.06 | 26.38 | 27.68 | |
| | 5/5/1999 | | 54.06 | 22.72 | 31.34 | |
| | 10/9/1999 | | 54.06 | 27.42 | 26.64 | |
| | 1/20/2000 | | 54.06 | 29.31 | 24.75 | |
| | 8/8/2000 | | 54.06 | 26.11 | 27.95 | |
| | 2/15/2001 | | 54.06 | 26.43 | 27.63 | |
| | 8/29/2001 | | 54.06 | 28.28 | 25.78 | |
| | 3/12/2002 | | 54.06 | 21.61 | 32.45 | |
| | 9/27/2002 | | 54.06 | 27.93 | 26.13 | |
| | 3/25/2003 | | 54.06 | 45.21 | 8.85 | |
| | 10/2/2003 | | | Well Inaccessible | | |
| | 10/17/2006 | | 54.06 | 26.54 | 27.52 | |
| | 5/3/2007 | | 54.06 | 26.25 | 27.81 | |
| | 10/17/2007 | | 54.06 | 29.88 | 24.18 | |
| | 4/1/2008 | | 54.06 | 26.02 | 28.04 | |
| | 10/2/2008 | | 54.06 | 30.61 | 23.45 | |
| | 4/2/2009 | | 54.06 | 26.09 | 27.97 | |
| | 10/5/2009* | | 54.06 | 30.80 | 23.26 | |
| | 4/9/2010 | | 54.06 | 21.51 | 32.55 | |
| | 11/10/2010 | | 54.06 | NA | NA | |
| | 5/27/2011 | | 54.06 | 23.38 | 30.68 | |
| | 10/19/2011 | | 54.06 | 27.23 | 26.83 | |
| | 4/30/2012 | | 54.06 | 24.60 | 29.46 | |
| | 10/29/2012 | | 54.06 | 28.29 | 25.77 | |
| | 4/26/2013 | | 54.06 | 29.02 | 25.04 | |
| | 10/11/2013 | | 54.06 | 30.94 | 23.12 | |
| | 4/16/2014 | | 54.06 | 29.19 | 24.87 | |
| 10/14/2014 | 54.06 | 32.23 | 21.83 | | | |
| 5/7/2015 | 54.06 | 27.95 | 26.11 | | | |
| 10/26/2015 | 54.06 | 32.57 | 21.49 | | | |
| 4/22/2016 | 54.06 | 25.56 | 28.50 | | | |
| MW-6 (Deep) | 1/29/1999 | 37.5-56 | 61.78 | 32.87 | 28.91 | |
| | 5/5/1999 | | 61.78 | 29.41 | 32.37 | |
| | 9/10/1999 | | 61.78 | 33.98 | 27.80 | |
| | 1/20/2000 | | 61.78 | 36.02 | 25.76 | |
| | 8/8/2000 | | 61.78 | 32.73 | 29.05 | |
| | 2/15/2001 | | 61.78 | 33.34 | 28.44 | |
| | 8/29/2001 | | 61.78 | 34.98 | 26.80 | |
| | 3/12/2002 | | 61.78 | 30.72 | 31.06 | |
| | 9/27/2002 | | 61.78 | 34.50 | 27.28 | |
| | 3/25/2003 | | 61.78 | 32.08 | 29.70 | |
| | 10/2/2003 | | 61.78 | 34.86 | 26.92 | |
| | 10/17/2006 | | 61.78 | 32.58 | 29.20 | |
| | 5/3/2007 | | 61.78 | 32.54 | 29.24 | |
| | 10/17/2007 | | 61.78 | 36.20 | 25.58 | |
| | 4/1/2008 | | 61.78 | 32.39 | 29.39 | |
| | 10/2/2008 | | 61.78 | 36.86 | 24.92 | |
| | 4/2/2009 | | 61.78 | 32.67 | 29.11 | |
| 10/2/2009 | 61.78 | 36.98 | 24.80 | | | |
| 4/9/2010 | 61.78 | 30.09 | 31.69 | | | |
| 11/10/2010 | 61.78 | 35.87 | 25.91 | | | |
| 5/27/2011 | | Well Destroyed by ARCO; Case Closure at 10600 MacArthur Blvd. | | | | |

Table 1
Groundwater Level Data
10700 MacArthur Blvd., Oakland, California

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|-----------------------------------|---|-------------------------------------|--|------------------------------------|---|
| MW-7 (Shallow) | 1/20/2000 | 17.5-37.5 | 58.64 | 20.32 | 38.32 |
| | 8/8/2000 | | 58.64 | 20.50 | 38.14 |
| | 2/15/2001 | | 58.64 | 16.95 | 41.69 |
| | 8/29/2001 | | 58.64 | 21.61 | 37.03 |
| | 3/12/2002 | | 58.64 | 17.03 | 41.61 |
| | 9/27/2002 | | 58.64 | 22.73 | 35.91 |
| | 3/25/2003 | | 58.64 | 19.09 | 39.55 |
| | 10/2/2003 | | 58.64 | 22.46 | 36.18 |
| | 10/17/2006 | | 58.64 | 22.19 | 36.45 |
| | 5/3/2007 | | 58.64 | 19.52 | 39.12 |
| | 10/17/2007 | | 58.64 | 21.49 | 37.15 |
| | 4/1/2008 | | 58.64 | 19.73 | 38.91 |
| | 10/2/2008 | | 58.64 | 24.64 | 34.00 |
| | 4/2/2009 | | 58.64 | 18.60 | 40.04 |
| | 10/2/2009 | | 58.64 | 22.60 | 36.04 |
| | 4/9/2010 | | 58.64 | 17.57 | 41.07 |
| | 11/10/2010 | | 58.64 | 22.16 | 36.48 |
| 5/27/2011 | Well Destroyed by ARCO; Case Closure at 10600 MacArthur Blvd. | | | | |

Notes: All well elevations are measured from the top of casing not from the ground surface.
ft msl = feet above mean sea level
* = Car parked over well, reading taken 3 days later than other wells.
NA = not available

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L |
|----------------------------------|------------|------------------------------------|---------------------|-----------------------|------------------|--------------------|---------------|
| AMW-1 (shallow) | 3/23/95 | Augeus | - | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 6/21/95 | Augeus | - | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/11/95 | Augeus | - | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 4/16/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 7/17/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 10/23/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/29/97 | PES | NS | NS | NS | NS | NS |
| | 1/20/00 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/8/00 | AEI | NS | NS | NS | NS | NS |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/29/01 | AEI | NS | NS | NS | NS | NS |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/27/02 | AEI | NS | NS | NS | NS | NS |
| | 3/25/03 | AEI | ND<0.5 | ND<0.5 | 1.8 | ND<0.5 | ND<0.5 |
| | 10/2/03 | AEI | NS | NS | NS | NS | NS |
| | 10/17/06 | AEI | ND<0.5 | ND<0.5 | 2.2 | ND<0.5 | ND<RL |
| | 5/2/07 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | 0.69 | ND<RL |
| | 10/17/07 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/1/08 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/2/08 | AEI | ND<0.5 | ND<0.5 | 0.60 | ND<0.5 | ND<RL |
| | 4/2/09 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/2/09 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/9/10 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/25/10 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 5/27/11 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/19/11 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/30/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/29/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 04/26/13 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/11/13 | AEI | ND<0.5 | ND<0.5 | 0.62 | ND<0.5 | ND<RL |
| | 04/16/14 | AEI | ND<0.5 | ND<0.5 | 0.68 | ND<0.5 | ND<RL |
| | 10/14/14 | AEI | ND<0.5 | ND<0.5 | 0.69 | ND<0.5 | ND<RL |
| 05/07/15 | AEI | ND<0.5 | ND<0.5 | 0.50 | ND<0.5 | ND<RL | |
| 10/26/15 | AEI | ND<0.5 | ND<0.5 | 2.2 | ND<0.5 | ND<RL | |
| 04/22/16 | AEI | ND<0.5 | ND<0.5 | 1.4 | ND<0.5 | ND<RL | |
| AMW-4 (shallow) | 5/15/95 | Augeus | NR | ND<50 | 2400 | ND<50 | NR |
| | 6/21/95 | Augeus | NR | ND<50 | 2500 | ND<50 | NR |
| | 9/13/95 | Augeus | NR | ND<25 | 1100 | ND<25 | NR |
| | 4/16/96 | PES | ND<10 | ND<10 | 1200 | 10 | NR |
| | 7/17/96 | PES | ND<10 | ND<10 | 860 | ND<10 | NR |
| | 10/23/96 | PES | ND<0.5 | ND<0.5 | 22 | 0.5 | NR |
| | 9/29/97 | PES | ND<3 | ND<3 | 340 | 3 | NR |
| | 1/29/99 | AEI | ND<3 | ND<3 | 100 | ND<3 | ND<3 |
| | 5/5/99 | AEI | ND<5 | ND<5 | 210 | ND<5 | ND<5 |
| | 9/10/99 | AEI | 10 | ND<5 | 240 | 18 | ND<5 |
| | 1/20/00 | AEI | 46 | ND<2.5 | 97 | 6.2 | ND<2.5 |
| | 8/8/00 | AEI | ND<5 | ND<5 | 440 | 8 | ND<5 |
| | 2/15/01 | AEI | ND<2.5 | ND<2.5 | 81 | 2.6 | ND<2.5 |
| | 8/29/01 | AEI | ND<2.5 | ND<2.5 | 230 | 4.6 | ND<2.5 |
| | 3/12/02 | AEI | ND<5.0 | ND<5.0 | 190 | ND<5.0 | ND<5.0 |
| | 9/27/02 | AEI | ND<5.0 | ND<5.0 | 220 | ND<5.0 | 10*** |
| | 3/25/03 | AEI | 1.2 | ND<1.0 | 22 | 1.9 | ND<1.0 |
| | 10/2/03 | AEI | 2.8 | ND<0.5 | 50 | 2.8 | ND<0.5 |
| | 10/17/06 | AEI | 9.9 | ND<0.5 | 6.5 | ND<0.5 | ND<RL |
| | 5/3/07 | AEI | 2.7 | ND<0.5 | 5.1 | 1.2 | ND<RL** |
| | 10/17/07 | AEI | 4.0 | ND<0.5 | 6.2 | ND<0.5 | ND<RL |
| 4/1/08 | AEI | 3.3 | ND<0.5 | 5.8 | 2.6 | 0.85** | |
| 10/2/08 | AEI | 11.0 | ND<1.0 | 34 | 2.9 | ND<RL ³ | |
| 4/2/09 | AEI | 2.8 | ND<0.5 | 8.0 | 0.76 | ND<RL ⁴ | |
| 10/2/09 | AEI | 11 | ND<0.5 | 4.3 | 0.89 | ND<RL ⁵ | |
| 4/9/10 | AEI | 1.9 | ND<0.5 | 11 | 1.6 | ND<RL ⁷ | |
| 10/22/10 | AEI | ND<0.5 | ND<0.5 | 0.76 | 0.53 | ND<RL | |
| 5/27/11 | AEI | ND<0.5 | ND<0.5 | 1.9 | 0.75 | ND<RL | |
| 10/19/11 | AEI | 6.0 | ND<0.5 | 1.2 | 0.68 | ND<RL | |
| 4/30/12 | AEI | 0.73 | ND<0.5 | 1.0 | 0.82 | ND<RL | |
| 10/29/12 | | Well Destroyed During Construction | | | | | |

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L |
|------------------------|---|------------|---------------------|-----------------------|-------------|-------------|--------------------|
| AMW-5 (shallow) | 5/15/95 | Augeus | NR | ND<0.5 | 1.2 | ND<0.5 | NR |
| | 6/21/95 | Augeus | NR | ND<0.5 | ND<0.5 | ND<0.5 | NR |
| | 9/13/95 | Augeus | NR | ND<0.5 | ND<0.5 | ND<0.5 | NR |
| | 4/16/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NR |
| | 7/17/96 | PES | ND<0.5 | ND<0.5 | 0.6 | ND<0.5 | NR |
| | 10/23/96 | PES | ND<0.5 | ND<0.5 | 0.8 | ND<0.5 | NR |
| | 9/29/97 | PES | ND<0.5 | ND<0.5 | 13 | ND<0.5 | NR |
| | 1/29/99 | AEI | NA | NA | NA | NA | NA |
| | 5/5/99 | AEI | ND<1 | ND<1 | 36 | ND<1 | ND<1 |
| | 9/10/99 | AEI | ND<1 | ND<1 | 35 | ND<1 | ND<1 |
| | 1/20/00 | AEI | ND<1 | ND<1 | 36 | ND<1 | ND<1 |
| | 8/8/00 | AEI | ND<0.5 | ND<0.5 | 50 | 0.72 | ND<0.5 |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | 26 | 0.76 | ND<0.5 |
| | 8/29/01 | AEI | ND<0.5 | ND<0.5 | 28 | 0.87 | ND<0.5 |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | 25 | 0.75 | ND<0.5 |
| | 9/27/02 | AEI | ND<0.5 | ND<0.5 | 17 | ND<0.5 | ND<0.5 |
| | 3/25/03 | AEI | ND<1.0 | ND<1.0 | 23 | ND<1.0 | ND<1.0 |
| | 10/2/03 | AEI | ND<0.5 | ND<0.5 | 20 | 0.58 | ND<0.5 |
| | 10/17/06 | AEI | 0.68 | ND<0.5 | 22 | 0.88 | ND<RL |
| | 5/3/07 | AEI | 0.91 | ND<0.5 | 42 | 2.0 | ND<RL |
| | 10/17/07 | AEI | 1.2 | ND<0.5 | 42 | 2.0 | ND<RL |
| | 4/1/08 | AEI | 1.7 | ND<0.5 | 50 | 2.8 | ND<RL |
| | 10/2/08 | AEI | 1.5 | ND<1.0 | 46 | 2.3 | ND<RL |
| | 4/2/09 | AEI | ND<1.7 | ND<1.7 | 56 | 2.9 | ND<RL |
| | 10/2/09 | AEI | 0.87 | ND<0.5 | 31 | 1.4 | ND<RL |
| | 4/9/10 | AEI | ND<1.0 | ND<1.0 | 35 | 2.1 | ND<RL |
| | 10/22/10 | AEI | 0.93 | ND<1.0 | 29 | 2.0 | ND<RL |
| | 5/27/11 | AEI | 0.76 | ND<0.5 | 23 | 1.9 | ND<RL |
| | 10/19/11 | AEI | ND<0.5 | ND<0.5 | 20 | 1.5 | ND<RL |
| | 4/30/12 | AEI | 0.59 | ND<0.5 | 8.1 | 1.2 | ND<RL |
| 10/29/12 | Well Destroyed During Construction | | | | | | |
| AMW-6 (shallow) | 9/13/95 | Augeus | NR | ND<25 | 930 | ND<25 | NR |
| | 4/16/96 | PES | 20 | ND<10 | 1900 | 110 | NR |
| | 7/17/96 | PES | ND<30 | ND<30 | 3300 | 280 | NR |
| | 10/23/96 | PES | ND<30 | ND<30 | 2900 | 140 | NR |
| | 9/29/97 | PES | 220 | 70 | 4600 | 580 | NR |
| | 1/29/99 | AEI | 270 | 77 | 2400 | 390 | ND<63 |
| | 5/5/99 | AEI | 370 | 110 | 2700 | 470 | ND<71 |
| | 9/10/99 | AEI | 190 | 49 | 1400 | 250 | ND<36 |
| | 1/20/00 | AEI | 210 | ND<35 | 1600 | 270 | ND<35 |
| | 8/8/00 | AEI | 150 | 56 | 1100 | 180 | ND<25 |
| | 2/15/01 | AEI | 190 | 40 | 930 | 200 | ND<25 |
| | 8/29/01 | AEI | 77 | 17 | 780 | 110 | ND<10 |
| | 3/12/02 | AEI | 150 | 37 | 1300 | 170 | ND<25 |
| | 9/27/02 | AEI | 67 | ND<17 | 490 | 91 | ND<17 |
| | 3/25/2003 | AEI | 94 | ND<33 | 740 | 110 | ND<33 |
| | 10/2/2003 | AEI | 66 | 13 | 440 | 60 | ND<10 |
| | 10/17/2006 | AEI | 32 | 4.9 | 98 | 14 | ND<RL |
| | 5/3/2007 | AEI | 32 | ND<5.0 | 120 | 22 | ND<RL |
| | 10/17/2007 | AEI | 48 | 8.4 | 140 | 27 | ND<RL ² |
| | 4/1/2008 | AEI | 39 | 6.2 | 140 | 24 | ND<RL |
| | 10/2/2008 | AEI | 43 | 7.1 | 130 | 26 | ND<RL |
| | 4/2/2009 | AEI | 50 | 8.1 | 250 | 37 | ND<RL |
| | 10/2/2009 | AEI | 55 | 11 | 240 | 44 | ND<RL ⁶ |
| 4/9/2010 | AEI | 56 | ND<25 | 530 | 61 | ND<RL | |
| 10/22/2010 | AEI | 48 | 10 | 260 | 42 | ND<RL | |
| 5/27/2011 | Destroyed and Replaced with Well AMW-6R | | | | | | |

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L |
|------------------------|-----------------|------------|----------------------------------|-----------------------|-------------|-------------|-----------------|
| AMW-6R (shallow) | 5/27/2011 | AEI | 54 | 7.5 | 210 | 45 | ND<RL |
| | 10/19/2011 | AEI | 86 | ND<12 | 570 | 86 | ND<RL |
| | 4/30/2012 | AEI | 74 | 8.6 | 220 | 65 | ND<RL |
| | 10/29/12 | AEI | 93 | 14 | 520 | 92 | ND<RL |
| | 04/26/13 | AEI | 92 | <25 | 410 | 98 | ND<RL |
| | 10/11/13 | AEI | 100 | 15 | 540 | 110 | ND<RL |
| | 04/16/14 | AEI | 110 | ND<12 | 540 | 110 | ND<RL |
| | 10/14/14 | AEI | 120 | ND<25 | 490 | 110 | ND<RL |
| | 05/07/15 | AEI | 120 | ND<25 | 690 | 140 | ND<RL |
| | 10/26/15 | AEI | 110 | ND<17 | 590 | 130 | ND<RL |
| | 04/22/16 | AEI | 140 | 18 | 990 | 170 | ND<RL |
| AMW-7 (shallow) | 9/13/95 | Augeus | NR | ND<25 | 2350 | 340 | NR |
| | 4/16/96 | PES | 2200 | 60 | 2300 | 500 | NR |
| | 7/17/96 | PES | 2100 | ND<30 | 2400 | 530 | NR |
| | 10/23/96 | PES | 3100 | 50 | 3400 | 610 | NR |
| | 9/29/97 | PES | 33 | 20 | 520 | 100 | NR |
| | 1/29/99 | AEI | 22 | ND<3 | 95 | 12 | ND<3 |
| | 5/5/99 | AEI | Well Covered During Construction | | | | |
| AMW-8 (deep) | 9/13/95 | Augeus | - | ND<25 | 95 | ND<25 | ND<25 |
| | 4/16/96 | PES | ND<0.5 | ND<0.5 | 0.8 | ND<0.5 | ND<0.5 |
| | 7/17/96 | PES | ND<0.5 | ND<0.5 | 1.6 | ND<0.5 | ND<0.5 |
| | 10/23/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/29/97 | PES | ND<0.5 | ND<0.5 | 0.7 | ND<0.5 | ND<0.5 |
| | 1/20/00 | AEI | ND<0.5 | ND<0.5 | 0.73 | ND<0.5 | ND<0.5 |
| | 8/8/00 | AEI | NS | NS | NS | NS | NS |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | 1.7 | ND<0.5 | ND<0.5 |
| | 8/29/01 | AEI | NS | NS | NS | NS | NS |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | 7.5 | ND<0.5 | ND<0.5 |
| | 9/27/02 | AEI | NS | NS | NS | NS | NS |
| | 3/25/03 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 10/2/03 | AEI | NS | NS | NS | NS | NS |
| | 10/17/06 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 5/3/07 | AEI | NS | NS | NS | NS | NS |
| | 10/17/07 | AEI | ND<0.5 | ND<0.5 | 1.6 | ND<0.5 | ND<RL |
| | 4/1/08 | AEI | NS | NS | NS | NS | NS |
| | 10/2/08 | AEI | ND<0.5 | ND<0.5 | 1.3 | ND<0.5 | ND<RL |
| | 4/2/09 | AEI | NS | NS | NS | NS | NS |
| | 10/2/09 | AEI | ND<0.5 | ND<0.5 | 1.4 | ND<0.5 | ND<RL |
| | 4/9/10 | AEI | NS | NS | NS | NS | NS |
| | 10/25/10 | AEI | ND<0.5 | ND<0.5 | 2.2 | ND<0.5 | ND<RL |
| | 5/27/11 | AEI | NS | NS | NS | NS | NS |
| | 10/19/11 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/30/12 | AEI | NS | NS | NS | NS | NS |
| | 10/29/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 04/26/13 | AEI | NS | NS | NS | NS | NS |
| 10/11/13 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |
| 04/16/14 | AEI | NS | NS | NS | NS | NS | |
| 10/14/14 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |
| 05/07/15 | AEI | NS | NS | NS | NS | NS | |
| 10/26/15 | AEI | ND<0.5 | ND<0.5 | 3.1 | ND<0.5 | ND<RL | |
| 04/22/16 | AEI | NS | NS | NS | NS | NS | |

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L |
|-----------------------------------|-----------------------|------------------|---------------------|-------------------------|------------------|-----------------|--------------------|
| AMW-9 (deep) | 9/13/95 | Augeus | NR | ND<25 | 170 | ND<25 | NR |
| | 4/16/96 | PES | 7 | ND<3 | 170 | 4 | NR |
| | 7/17/96 | PES | ND<3 | ND<3 | 190 | 4 | NR |
| | 10/23/96 | PES | ND<3 | ND<3 | 190 | ND<3 | NR |
| | 9/29/97 | PES | ND<3 | ND<3 | 110 | ND<3 | NR |
| | 1/29/99 | AEI | ND<4 | ND<4 | 90 | ND<4 | ND<4 |
| | 5/5/99 | AEI | ND<2.5 | ND<2.5 | 94 | ND<2.5 | ND<2.5 |
| | 9/10/99 | AEI | ND<2.1 | ND<2.1 | 99 | ND<2.1 | ND<2.1 |
| | 1/20/00 | AEI | ND<0.5 | ND<0.5 | 100 | ND<0.5 | ND<0.5 |
| | 8/8/00 | AEI | ND<2.5 | ND<2.5 | 130 | ND<2.5 | ND<2.5 |
| | 2/15/01 | AEI | ND<1.0 | ND<1.0 | 69 | ND<1.0 | ND<1.0 |
| | 8/29/01 | AEI | ND<2.5 | ND<2.5 | 98 | ND<2.5 | ND<2.5 |
| | 3/12/02 | AEI | ND<2.5 | ND<2.5 | 100 | ND<2.5 | ND<2.5 |
| | 9/27/02 | AEI | ND<5.0 | ND<5.0 | 80 | ND<5.0 | ND<5.0 |
| | 3/25/03 | AEI | 4.1 | ND<2.5 | 48 | ND<2.5 | ND<2.5 |
| | 10/2/03 | AEI | 4.8 | <0.5 | 36 | 1.1 | ND<0.5 |
| | 10/17/06 | AEI | ND<1.7 | ND<1.7 | 73 | ND<1.7 | ND<RL |
| | 5/3/07 | AEI | ND<2.5 | ND<2.5 | 86 | ND<2.5 | ND<RL |
| | 10/17/07 | AEI | ND<2.5 | ND<2.5 | 130 | ND<2.5 | ND<RL |
| | 4/1/08 | AEI | ND<2.5 | ND<2.5 | 130 | ND<2.5 | ND<RL |
| | 10/2/08 | AEI | ND<2.5 | ND<2.5 | 110 | ND<2.5 | ND<RL |
| | 4/2/09 | AEI | ND<2.5 | ND<2.5 | 180 | ND<2.5 | ND<RL |
| | 10/2/09 | AEI | ND<2.5 | ND<2.5 | 140 | ND<2.5 | ND<RL |
| | 4/9/10 | AEI | ND<5.0 | ND<5.0 | 160 | ND<5.0 | ND<RL |
| | 10/22/10 | AEI | ND<1.7 | ND<1.7 | 93 | ND<1.7 | ND<RL |
| | 5/27/11 | AEI | ND<1.2 | ND<1.2 | 53 | ND<1.2 | ND<RL |
| | 10/19/11 | AEI | ND<0.5 | ND<0.5 | 30 | ND<0.5 | ND<RL |
| | 4/30/12 | AEI | ND<0.5 | ND<0.5 | 3.4 | ND<0.5 | ND<RL |
| | 10/29/12 | AEI | ND<0.5 | ND<0.5 | 14 | ND<0.5 | ND<RL |
| | 04/26/13 | AEI | ND<0.5 | ND<0.5 | 6.9 | ND<0.5 | ND<RL |
| 10/11/13 | AEI | ND<0.5 | ND<0.5 | 18 | ND<0.5 | ND<RL | |
| 04/16/14 | AEI | ND<0.5 | ND<0.5 | 13 | ND<0.5 | ND<RL | |
| 10/14/14 | AEI | ND<0.5 | ND<0.5 | 25 | ND<0.5 | ND<RL | |
| 5/7/15 | AEI | ND<0.5 | ND<0.5 | 15 | ND<0.5 | ND<RL | |
| 10/26/15 | AEI | ND<2.5 | ND<2.5 | 110 | ND<2.5 | ND<RL | |
| 4/22/16 | AEI | ND<5.0 | ND<5.0 | 180 | ND<5.0 | ND<RL | |
| FHS MW-10 (deep) | 10/9/97 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NR |
| | 1/29/99 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/5/99 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/10/99 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 1/20/00 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/8/00 | AEI | NS | NS | NS | NS | NS |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/29/01 | AEI | NS | NS | NS | NS | NS |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/27/02 | AEI | NS | NS | NS | NS | NS |
| | 3/25/03 | AEI | 1.7 | ND<1.0 | 18 | 2.5 | 5.0** |
| | 10/6/03 | AEI | ND<0.5 | ND<0.5 | 1.4 | ND<0.5 | 1.0** |
| | 10/17/06 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 5/3/2007 ¹ | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/17/07 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/1/08 | AEI | ND<0.5 | ND<0.5 | 0.88 | ND<0.5 | ND<RL |
| | 10/2/08 | AEI | ND<0.5 | ND<0.5 | 3.4 | ND<0.5 | 1.4** |
| | 4/2/09 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/2/09 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/9/10 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/22/10 | AEI | NS | NS | NS | NS | NS |
| | 5/27/11 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/19/11 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL ⁸ |
| | 4/30/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/29/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 04/26/13 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 10/11/13 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| 04/16/14 | AEI | ND<0.5 | ND<0.5 | 27 | 0.55 | ND<RL | |
| 10/14/14 | AEI | ND<0.5 | ND<0.5 | 25 | ND<0.5 | ND<RL | |
| 05/07/15 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |
| 10/26/15 | AEI | | | Well Inaccessible - Car | | | |
| 04/22/16 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L | | |
|-----------------------------|------------------------|------------|---------------------|---|-------------|------------------|---------------------|----|--|
| FHS MW-11 (deep) | 9/29/97 | PES | ND<0.5 | ND<0.5 | 4 | ND<0.5 | NR | | |
| | 1/29/99 | AEI | ND<0.5 | ND<0.5 | 7 | ND<0.5 | ND<0.5 | | |
| | 5/5/99 | AEI | ND<0.5 | ND<0.5 | 7.1 | ND<0.5 | ND<0.5 | | |
| | 9/10/99 | AEI | ND<0.5 | ND<0.5 | 7.5 | ND<0.5 | ND<0.5 | | |
| | 1/20/00 | AEI | ND<0.5 | ND<0.5 | 7.5 | ND<0.5 | ND<0.5 | | |
| | 8/8/00 | AEI | ND<0.5 | ND<0.5 | 38 | ND<0.5 | ND<0.5 | | |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | 18 | ND<0.5 | ND<0.5 | | |
| | 8/29/01 | AEI | ND<0.5 | ND<0.5 | 16 | ND<0.5 | ND<0.5 | | |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | 13 | ND<0.5 | 0.77** | | |
| | 9/27/02 | AEI | ND<1 | ND<1 | 13 | ND<1 | 6.4** 1.1*** | | |
| | 3/25/03 | AEI | 0.78 | ND<0.5 | 12 | 0.88 | 4.0** 1.0**** | | |
| | 10/2/03 | | | Well Inaccessible | | | | | |
| | 10/17/06 | AEI | ND<0.5 | ND<0.5 | 20 | ND<0.5 | ND<RL | | |
| | 5/3/2007 ¹ | AEI | ND<0.5 | ND<0.5 | 25 | 1.1 | ND<RL | | |
| | 10/17/07 | AEI | ND<0.5 | ND<0.5 | 31 | 0.71 | ND<RL | | |
| | 4/1/08 | AEI | ND<0.5 | ND<0.5 | 26 | 0.61 | ND<RL | | |
| | 10/2/08 | AEI | ND<0.5 | ND<0.5 | 31 | 0.74 | ND<RL | | |
| | 4/2/09 | AEI | ND<0.5 | ND<0.5 | 32 | 0.71 | ND<RL | | |
| | 10/5/09 | AEI | ND<0.5 | ND<0.5 | 32 | 0.70 | ND<RL | | |
| | 4/9/10 | AEI | ND<1.0 | ND<1.0 | 32 | ND<1.0 | ND<RL | | |
| | 10/22/10 | AEI | NS | NS | NS | NS | NS | | |
| | 5/27/11 | AEI | ND<1.7 | ND<1.7 | 63 | 1.9 | NS | | |
| | 10/19/11 | AEI | ND<1.0 | ND<1.0 | 49 | ND<1.0 | ND<RL | | |
| | 4/30/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | | |
| | 10/29/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | | |
| | 04/26/13 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | | |
| | 10/11/13 | AEI | ND<0.5 | ND<0.5 | 26 | ND<0.5 | ND<RL | | |
| | 4/16/2014 | AEI | ND<0.5 | ND<0.5 | 22 | ND<0.5 | ND<RL ⁹ | | |
| | 10/14/2014 | AEI | ND<0.5 | ND<0.5 | 17 | ND<0.5 | ND<RL ¹⁰ | | |
| | 5/7/2015 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL ¹¹ | | |
| | 10/26/2015 | AEI | ND<1.0 | ND<1.0 | 37 | ND<1.0 | ND<RL | | |
| | 4/22/2016 | AEI | ND<0.5 | ND<0.5 | 5.6 | ND<0.5 | ND<RL | | |
| | MW-6 (deep) | 3/11/95 | EMCON | ND<20 | ND<0.5 | 1300 | ND<20 | NR | |
| | | 6/5/95 | EMCON | ND<20 | ND<20 | 2000 | ND<20 | NR | |
| | | 8/29/95 | EMCON | ND<20 | ND<20 | 1300 | ND<20 | NR | |
| | | 9/11/95 | Augeus | NR | ND<50 | 2000 | ND<50 | NR | |
| | | 11/16/95 | EMCON | ND<20 | ND<20 | 1300 | ND<20 | NR | |
| | | 2/28/96 | EMCON | ND<20 | ND<20 | 960 | ND<20 | NR | |
| | | 4/16/96 | PES | 10 | 10 | 1400 | 10 | NR | |
| | | 5/28/96 | EMCON | ND<20 | ND<20 | 970 | ND<20 | NR | |
| | | 7/17/96 | PES | ND<5 | ND<5 | 590 | ND<5 | NR | |
| | | 8/19/96 | EMCON | ND<20 | ND<20 | 820 | ND<20 | NR | |
| 10/23/96 | | PES | ND<5 | ND<5 | 680 | ND<5 | NR | | |
| 11/21/96 | | EMCON | ND<20 | ND<20 | 680 | ND<20 | NR | | |
| 3/26/97 | | EMCON | ND<40 | ND<40 | 830 | ND<40 | NR | | |
| 5/20/97 | | EMCON | ND<5 | ND<5 | 270 | ND<5 | NR | | |
| 9/29/97 | | PES | ND<10 | ND<10 | 670 | ND<10 | NR | | |
| 1/29/99 | | AEI | 1.4 | ND<1.3 | 49 | 3 | ND<1.3 | | |
| 5/5/99 | | AEI | 19 | ND<11 | 530 | 38 | ND<11 | | |
| 9/10/99 | | AEI | 27 | ND<12 | 560 | 53 | ND<12 | | |
| 1/20/00 | | AEI | 18 | ND<8.5 | 660 | 31 | ND<8.5 | | |
| 8/8/00 | | AEI | 98 | 16 | 1700 | 170 | ND<5 | | |
| 2/15/01 | | AEI | 64 | ND<10 | 650 | 87 | ND<10 | | |
| 8/29/01 | | AEI | 19 | ND<5.0 | 550 | 38 | ND<5.0 | | |
| 3/12/02 | | AEI | 61 | ND<20 | 1200 | 99 | ND<20 | | |
| 9/27/02 | | AEI | ND<12 | ND<12 | 300 | 27 | ND<12 | | |
| 3/25/03 | | AEI | 2.6 | ND<2.5 | 49 | 3.8 | ND<2.5 | | |
| 10/2/03 | | AEI | 13 | ND<5.0 | 340 | 21 | ND<5.0 | | |
| 10/17/06 | | AEI | 16 | ND<5.0 | 320 | 18 | ND<RL | | |
| 5/3/07 | | AEI | 0.92 | ND<0.5 | 39 | 2.1 | ND<RL | | |
| 10/17/07 | | AEI | 10 | ND<5.0 | 310 | 18 | ND<RL | | |
| 4/1/08 | | AEI | 6.8 | ND<1.7 | 76 | 9.2 | ND<RL | | |
| 10/2/08 | | AEI | 21 | ND<12 | 380 | 33 | ND<RL | | |
| 4/2/09 | | AEI | 17 | ND<10 | 420 | 28 | ND<RL | | |
| 10/2/09 | | AEI | 22 | ND<10 | 410 | 29 | ND<RL | | |
| 4/9/10 | | AEI | 5.5 | ND<5.0 | 160 | 10 | ND<RL | | |
| 10/25/10 | | AEI | 26 | ND<10 | 400 | 30 | ND<RL | | |
| 5/27/11 | | | | Well Destroyed by ARCO; Case Closure at 10600 MacArthur Blvd. | | | | | |

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L |
|-------------------------------------|---|---|---------------------|-----------------------|-------------|-------------|---------------|
| MW-7 (shallow) | 3/11/95 | EMCON | NS | NS | NS | NS | NS |
| | 6/5/95 | EMCON | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 8/29/95 | EMCON | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 9/11/95 | Augus | 85 | ND<50 | - | ND<50 | ND<50 |
| | 11/16/95 | EMCON | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 |
| | 2/28/96 | EMCON | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 4/16/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 5/28/96 | EMCON | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 7/17/96 | PES | 0.6 | ND<0.5 | ND<0.5 | 0.6 | ND<0.5 |
| | 8/19/96 | EMCON | ND<1 | ND<1 | ND<1 | ND<1 | ND<1 |
| | 10/23/96 | PES | 0.6 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 11/21/96 | EMCON | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 3/26/97 | EMCON | ND<20 | ND<20 | ND<20 | ND<20 | ND<20 |
| | 5/20/97 | EMCON | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 9/29/97 | PES | ND<10 | ND<10 | ND<10 | ND<10 | ND<10 |
| | 1/20/00 | AEI | ND<6.5 | ND<6.5 | ND<6.5 | ND<6.5 | ND<6.5 |
| | 8/8/00 | AEI | NS | NS | NS | NS | NS |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/29/01 | AEI | NS | NS | NS | NS | NS |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/27/02 | AEI | NS | NS | NS | NS | NS |
| | 3/25/03 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 10/2/03 | AEI | NS | NS | NS | NS | NS |
| | 10/17/06 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL***** |
| | 5/3/07 | AEI | NS | NS | NS | NS | NS |
| | 10/17/07 | AEI | ND<10 | ND<10 | ND<10 | ND<10 | ND<RL |
| | 4/1/08 | AEI | NS | NS | NS | NS | NS |
| | 10/2/08 | AEI | ND<1.0 | ND<1.0 | 2.2 | ND<1.0 | ND<RL |
| | 4/2/09 | AEI | NS | NS | NS | NS | NS |
| | 10/2/09 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| 4/9/10 | AEI | NS | NS | NS | NS | NS | |
| 10/22/10 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |
| 5/27/11 | Well Destroyed by ARCO; Case Closure at 10600 MacArthur Blvd. | | | | | | |
| WGR MW-2 (Shallow) | 10/17/06 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 5/3/07 | AEI | NS | NS | NS | NS | NS |
| | 10/17/07 | AEI | NS | NS | NS | NS | NS |
| | 4/1/08 | AEI | NS | NS | NS | NS | NS |
| | 10/2/08 | AEI | NS | NS | NS | NS | NS |
| | 4/2/09 | AEI | NS | NS | NS | NS | NS |
| | 10/2/09 | AEI | NS | NS | NS | NS | NS |
| | 4/9/10 | AEI | NS | NS | NS | NS | NS |
| | 10/22/10 | AEI | NS | NS | NS | NS | NS |
| | 5/27/11 | AEI | NS | NS | NS | NS | NS |
| | 10/19/11 | AEI | NS | NS | NS | NS | NS |
| | 4/30/12 | AEI | NS | NS | NS | NS | NS |
| | 4/26/13 | AEI | NS | NS | NS | NS | NS |
| | 10/11/13 | AEI | NS | NS | NS | NS | NS |
| | 04/16/14 | AEI | NS | NS | NS | NS | NS |
| | 10/14/14 | Well Destroyed during construction activities | | | | | |
| WGR MW-3 (Shallow) | 10/17/06 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 5/3/07 | AEI | NS | NS | NS | NS | NS |
| | 10/17/07 | AEI | NS | NS | NS | NS | NS |
| | 4/1/08 | AEI | NS | NS | NS | NS | NS |
| | 10/2/08 | AEI | NS | NS | NS | NS | NS |
| | 4/2/09 | AEI | NS | NS | NS | NS | NS |
| | 10/2/09 | AEI | NS | NS | NS | NS | NS |
| | 4/9/10 | AEI | NS | NS | NS | NS | NS |
| | 10/22/10 | AEI | NS | NS | NS | NS | NS |
| | 5/27/11 | Well Destroyed by ARCO; Case Closure at 10600 MacArthur Blvd. | | | | | |

Table 2
Groundwater Sample Analytical Data
10700 MacArthur Blvd., Oakland, California

| Well (aquifer zone) | Date | Consultant | cis 1,2 DCE µg/L | trans 1,2 DCE µg/L | PCE µg/L | TCE µg/L | VHCs* µg/L |
|------------------------|----------|--|---------------------|-----------------------|-------------|-------------|---------------|
| WGR MW-4 (deep) | 4/16/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 7/17/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 10/23/96 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/29/97 | PES | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 2/15/01 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/29/01 | AEI | NS | NS | NS | NS | NS |
| | 3/12/02 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/27/02 | AEI | NS | NS | NS | NS | NS |
| | 3/25/03 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 10/2/03 | AEI | NS | NS | NS | NS | NS |
| | 10/17/06 | AEI | ND<0.5 | ND<0.5 | 0.62 | ND<0.5 | ND<RL |
| | 5/3/07 | AEI | NS | NS | NS | NS | NS |
| | 10/17/07 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/1/08 | AEI | NS | NS | NS | NS | NS |
| | 10/2/08 | AEI | ND<0.5 | ND<0.5 | 0.55 | ND<0.5 | ND<RL |
| | 4/2/09 | AEI | NS | NS | NS | NS | NS |
| | 10/2/09 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 4/9/10 | AEI | NS | NS | NS | NS | NS |
| | 10/22/10 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL |
| | 5/27/11 | AEI | NS | NS | NS | NS | NS |
| 10/19/11 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |
| 4/30/12 | AEI | NS | NS | NS | NS | NS | |
| 10/29/12 | AEI | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<RL | |
| 04/26/13 | AEI | Well Destroyed During Onsite Construction Activities | | | | | |

Table 2 Notes:

Please refer to the Laboratory Analytical Data for further detailed lab information including Reporting Limits and Dilution Factors

*VHCs = All other chemicals by EPA method 601/8010 or 8260

** Chloroform (trichloromethane)

NS = Well not sampled

*** Dibromochloromethane

NR = Not Reported

**** Methylene Chloride

µg/L = micrograms per liter (parts per billion)

***** bromodichloromethane

Tetrachloroethene (PCE)

cis 1,2-Dichloroethene (cis 1,2 DCE)

Trichloroethene (TCE)

trans 1,2-Dichloroethene (trans 1,2 DCE)

¹ = Reported by laboratory without letters FHS as prefix

² = Vinyl Chloride detected at a concentration of 1.9 ug/L

³ = Vinyl Chloride detected at a concentration of 2.0 ug/L

⁴ = Vinyl Chloride detected at a concentration of 0.66 ug/L

⁵ = Vinyl Chloride detected at a concentration of 4.0 ug/L

⁶ = Vinyl Chloride detected at a concentration of 11 ug/L

⁷ = Chloroform detected at a concentration of 0.69 ug/L

⁸ = Chloroform detected at a concentration of 0.64 ug/L

⁹ = Chloroform detected at a concentration of 1.2 ug/L

¹⁰ = Chloroform detected at a concentration of 8.3 ug/L

¹¹ = Chloroform detected at a concentration of 0.76 ug/L

* Available data from AMW-7 is presented although this well was covered during 1999 construction activities

RL = Reporting Limit

APPENDIX A

GROUNDWATER MONITORING WELL FIELD SAMPLING FORMS

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-1

| | | | |
|------------------|--------------------------------|-------------------|-----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/21/2016 |
| Job Number: | 261829 | Name of Sampler: | J. Vida |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-----------------------|-----------------|-----|
| Well Casing Diameter (2"/4"/6") | 2 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 64.51 | | |
| Depth of Well | 45.00 | | |
| Depth to Water (from top of casing) | 23.01 | | |
| Water Elevation (feet above msl) | 64.51 | | |
| Well Volumes Purged | 3 | | |
| Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft) | 21.6 10.55 | | |
| Actual Volume Purged (gallons) | 10.55 | | |
| Appearance of Purge Water | Clear and Cloudy | | |
| Free Product Present? | na | Thickness (ft): | NK- |

GROUNDWATER SAMPLES

| Number of Samples/Container Size | | | | 3-VOAs | | | |
|----------------------------------|-------------------------|---------------------|------|-------------------------|-----------|-----------|----------|
| Time | Vol Removed (gal) | Temperature (deg C) | pH | Conductivity (μ sec/cm) | DO (mg/L) | ORP (meV) | Comments |
| 10:57 | <u>started purging</u> | | | | | | |
| 10:54 | 3.50 | 19.53 | 6.85 | 1554 | 4.03 | -79.8 | cloudy |
| 10:57 | 7.00 | 19.51 | 6.91 | 1486 | 0.69 | -88.5 | clear |
| 10:17 | 10.55 | 19.52 | 6.91 | 1488 | 0.58 | -89.2 | cloudy |
| 11:35 | <u>started sampling</u> | | | | | | |
| | | | | | | | |
| | | | | | | | |

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well pumped dry at last reading

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-6R

| | | | |
|------------------|--------------------------------|-------------------|-----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/21/2016 |
| Job Number: | 261829 | Name of Sampler: | J. Vida |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-----------|-----------------|----|
| Well Casing Diameter (2"/4"/6") | 2 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | | | |
| Depth of Well | 23.00 | | |
| Depth to Water (from top of casing) | 15.69 | | |
| Water Elevation (feet above msl) | 23.00 | | |
| Well Volumes Purged | 3 | | |
| Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft) | 11.0 3.50 | | |
| Actual Volume Purged (gallons) | 3.50 | | |
| Appearance of Purge Water | Cloudy | | |
| Free Product Present? | na | Thickness (ft): | NA |

GROUNDWATER SAMPLES

| Number of Samples/Container Size | | | | 3 VOAs | | | |
|----------------------------------|-------------------|---------------------|------|------------------------------|-----------|-----------|----------|
| Time | Vol Removed (gal) | Temperature (deg C) | pH | Conductivity (μ sec/cm) | DO (mg/L) | ORP (meV) | Comments |
| 12:50 | 1.25 | 17.60 | 7.29 | 1561 | 4.44 | -8.9 | Cloudy |
| 13:00 | 2.50 | 17.44 | 7.47 | 1557 | 2.87 | -39.4 | Cloudy |
| 13:05 | 3.50 | 17.50 | 7.33 | 1559 | 2.87 | -31.3 | Cloudy |
| 13:10 | started sampling | | | | | | |

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

| |
|---|
| Depth to water measurement is an estimation |
| used bailer for purging |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-8

| | | | |
|------------------|--------------------------------|-------------------|-----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/21/2016 |
| Job Number: | 261829 | Name of Sampler: | J. Vida |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-------------------------------------|-----------------|---|
| Well Casing Diameter (2"/4"/6") | 2 | | |
| Wellhead Condition | OK <input type="button" value="▼"/> | | |
| Elevation of Top of Casing (feet above msl) | 64.55 | | |
| Depth of Well | 45.00 | | |
| Depth to Water (from top of casing) | 27.57 18.98 | | |
| Water Elevation (feet above msl) | 36.98 | | |
| Well Volumes Purged | NA | | |
| Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft) | NA | | |
| Actual Volume Purged (gallons) | NA | | |
| Appearance of Purge Water | NA | | |
| Free Product Present? | na | Thickness (ft): | - |

GROUNDWATER SAMPLES

| Number of Samples/Container Size | | | | NA | | | |
|----------------------------------|-------------------|---------------------|----|-------------------------|-----------|-----------|----------|
| Time | Vol Removed (gal) | Temperature (deg C) | pH | Conductivity (μ sec/cm) | DO (mg/L) | ORP (meV) | Comments |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

| |
|--------------------------------|
| Well not sampled; Gauged Only. |
| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-9

| | | | |
|------------------|--------------------------------|-------------------|-----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/21/2016 |
| Job Number: | 261829 | Name of Sampler: | J. Vida |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-----------------------|-----------------|----|
| Well Casing Diameter (2"/4"/6") | 2 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 63.48 | | |
| Depth of Well | 54.30 | | |
| Depth to Water (from top of casing) | 24.74 | | |
| Water Elevation (feet above msl) | 63.48 | | |
| Well Volumes Purged | 3 | | |
| Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft) | 26.1 14.18 | | |
| Actual Volume Purged (gallons) | 6.00 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | NA |

GROUNDWATER SAMPLES

| Number of Samples/Container Size | | | | 3 VOAs | | | |
|----------------------------------|-------------------|---------------------|------|-------------------------|------------------|-----------|----------|
| Time | Vol Removed (gal) | Temperature (deg C) | pH | Conductivity (μ sec/cm) | DO (mg/L) | ORP (meV) | Comments |
| 11:58 | _____ | | | started purging | | | |
| 12:13 | 4.72 | 21.01 | 7.08 | 1867 | 4.42 | -47.0 | Clear |
| | 7.45 | Pumped well dry | | | _____ | | |
| | 11.18 | _____ | | | | | |
| 13:17 | _____ | | | started sampling | | | |
| | _____ | | | | | | |
| | _____ | | | | | | |
| | _____ | | | | | | |
| | _____ | | | | | | |

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Allowed well to recharge after pumped dry then got a grab groundwater sample

AEI CONSULTANTS
GROUNDWATER MONITORING AND SAMPLING FORM

Monitoring Well Number: FHS MW-10

| | | | |
|------------------|--------------------------------|-------------------|-----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/21/2016 |
| Job Number: | 261829 | Name of Sampler: | J. Vida |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-----------------------|-----------------|----|
| Well Casing Diameter (2"/4"/6") | 2 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 54.06 | | |
| Depth of Well | 64.07 | | |
| Depth to Water (from top of casing) | 23.28 | | |
| Water Elevation (feet above msl) | 54.06 | | |
| Well Volumes Purged | 3 | | |
| Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft) | 30.8 13.75 | | |
| Actual Volume Purged (gallons) | 30 18.48 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | NA |

GROUNDWATER SAMPLES

| Number of Samples/Container Size | | | | | | | |
|----------------------------------|-------------------|---------------------|------|-------------------------|-----------|-----------|------------------|
| Time | Vol Removed (gal) | Temperature (deg C) | pH | Conductivity (µ sec/cm) | DO (mg/L) | ORP (meV) | Comments (color) |
| 09:06 | started purging | | | | | | |
| 09:14 | 6.16 | 19.24 | 6.16 | 587 | 0.88 | -68.7 | Clear |
| 09:20 | 12.32 | 19.26 | 6.09 | 587 | 0.57 | -71.4 | Clear |
| 09:27 | 18.48 | 19.26 | 6.02 | 586 | 0.46 | -77.9 | Clear |
| 09:30 | started sampling | | | | | | |
| | | | | | | | |
| | | | | | | | |

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

| |
|--|
| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING AND SAMPLING FORM

Monitoring Well Number: FHS MW-11

| | | | |
|------------------|--------------------------------|-------------------|-----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/21/2016 |
| Job Number: | 261829 | Name of Sampler: | J. Vida |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-----------------------|-----------------|----|
| Well Casing Diameter (2"/4"/6") | 2 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 52.34 | | |
| Depth of Well | 51.94 | | |
| Depth to Water (from top of casing) | 25.56 | | |
| Water Elevation (feet above msl) | 52.34 | | |
| Well Volumes Purged | 3 | | |
| Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft) | 24.9 18.48 | | |
| Actual Volume Purged (gallons) | 3.0 18.48 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | NA |

GROUNDWATER SAMPLES

| Number of Samples/Container Size | | | | | | | |
|----------------------------------|---|---------------------|------|-------------------------|-----------|-----------|----------|
| Time | Vol Removed (gal) | Temperature (deg C) | pH | Conductivity (μ sec/cm) | DO (mg/L) | ORP (meV) | Comments |
| 10:03 | _____ started purging _____ | | | | | | |
| 10:09 | 6.16 | 19.45 | 6.30 | 718 | 0.98 | -53.4 | yellow |
| 10:15 | 12.32 | 19.45 | 6.30 | 731 | 0.70 | -76.2 | clear |
| 10:21 | 18.48 | 19.45 | 6.27 | 731 | 0.56 | -80.2 | clear |
| 10:23 | _____ started Sampling _____ | | | | | | |
| | | | | | | | |
| | | | | | | | |

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

| |
|--|
| |
| |
| |

APPENDIX B

LABORATORY ANALYSES WITH CHAIN OF CUSTODY DOCUMENTATION



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1604A33

Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith

Project P.O.: 107228

Project Name: 261829; Foothill Square

Project Received: 04/22/2016

Analytical Report reviewed & approved for release on 04/28/2016 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 261829; Foothill Square
WorkOrder: 1604A33

Glossary Abbreviation

| | |
|--------------|--|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| MB | Method Blank |
| MB % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| N/A | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PDSD | Post Digestion Spike Duplicate |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.) |
| RPD | Relative Percent Deviation |
| RRT | Relative Retention Time |
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

Analytical Qualifiers

b1 aqueous sample that contains greater than ~1 vol. % sediment



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|------------------------------|--------------|--------|------------------|------------------|----------|
| AMW-1 | 1604A33-001A | Water | 04/22/2016 11:35 | GC18 | 120036 |
| Analytes | Result | RL | DF | Date Analyzed | |
| Bromobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Bromochloromethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Bromodichloromethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Bromoform | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Bromomethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Carbon Tetrachloride | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Chlorobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Chloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Chloroform | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Chloromethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 2-Chlorotoluene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 4-Chlorotoluene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Dibromochloromethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.20 | 1 | 04/23/2016 21:39 | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Dibromomethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,2-Dichlorobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,3-Dichlorobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,4-Dichlorobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Dichlorodifluoromethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,1-Dichloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,1-Dichloroethene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| cis-1,2-Dichloroethene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| trans-1,2-Dichloroethene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,2-Dichloropropane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,3-Dichloropropane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 2,2-Dichloropropane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,1-Dichloropropene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| cis-1,3-Dichloropropene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| trans-1,3-Dichloropropene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Freon 113 | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Hexachlorobutadiene | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Hexachloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| Methylene chloride | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 | |

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|--------|------------------|------------|----------|
| AMW-1 | 1604A33-001A | Water | 04/22/2016 11:35 | GC18 | 120036 |

| Analytes | Result | RL | DF | Date Analyzed |
|------------------------|--------|------|----|------------------|
| Tetrachloroethene | 1.4 | 0.50 | 1 | 04/23/2016 21:39 |
| 1,2,3-Trichlorobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | 1 | 04/23/2016 21:39 |
| 1,1,1-Trichloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 |
| 1,1,2-Trichloroethane | ND | 0.50 | 1 | 04/23/2016 21:39 |
| Trichloroethene | ND | 0.50 | 1 | 04/23/2016 21:39 |
| Trichlorofluoromethane | ND | 0.50 | 1 | 04/23/2016 21:39 |
| 1,2,3-Trichloropropane | ND | 0.50 | 1 | 04/23/2016 21:39 |
| Vinyl Chloride | ND | 0.50 | 1 | 04/23/2016 21:39 |

| Surrogates | REC (%) | Limits | Date Analyzed |
|----------------------|---------|--------|------------------|
| Dibromofluoromethane | 100 | 70-130 | 04/23/2016 21:39 |
| Toluene-d8 | 97 | 70-130 | 04/23/2016 21:39 |
| 4-BFB | 101 | 70-130 | 04/23/2016 21:39 |

Analyst(s): HK



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|------------------------------|---------------|--------|------------------|------------|----------------------|
| AMW-6R | 1604A33-002A | Water | 04/22/2016 13:10 | GC18 | 120036 |
| <u>Analytes</u> | <u>Result</u> | | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Bromobenzene | ND | | 12 | 25 | 04/24/2016 12:57 |
| Bromochloromethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| Bromodichloromethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| Bromoform | ND | | 12 | 25 | 04/24/2016 12:57 |
| Bromomethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| Carbon Tetrachloride | ND | | 12 | 25 | 04/24/2016 12:57 |
| Chlorobenzene | ND | | 12 | 25 | 04/24/2016 12:57 |
| Chloroethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| Chloroform | ND | | 12 | 25 | 04/24/2016 12:57 |
| Chloromethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 2-Chlorotoluene | ND | | 12 | 25 | 04/24/2016 12:57 |
| 4-Chlorotoluene | ND | | 12 | 25 | 04/24/2016 12:57 |
| Dibromochloromethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | 25 | 04/24/2016 12:57 |
| 1,2-Dibromoethane (EDB) | ND | | 12 | 25 | 04/24/2016 12:57 |
| Dibromomethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,2-Dichlorobenzene | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,3-Dichlorobenzene | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,4-Dichlorobenzene | ND | | 12 | 25 | 04/24/2016 12:57 |
| Dichlorodifluoromethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,1-Dichloroethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,1-Dichloroethene | ND | | 12 | 25 | 04/24/2016 12:57 |
| cis-1,2-Dichloroethene | 140 | | 12 | 25 | 04/24/2016 12:57 |
| trans-1,2-Dichloroethene | 18 | | 12 | 25 | 04/24/2016 12:57 |
| 1,2-Dichloropropane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,3-Dichloropropane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 2,2-Dichloropropane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,1-Dichloropropene | ND | | 12 | 25 | 04/24/2016 12:57 |
| cis-1,3-Dichloropropene | ND | | 12 | 25 | 04/24/2016 12:57 |
| trans-1,3-Dichloropropene | ND | | 12 | 25 | 04/24/2016 12:57 |
| Freon 113 | ND | | 12 | 25 | 04/24/2016 12:57 |
| Hexachlorobutadiene | ND | | 12 | 25 | 04/24/2016 12:57 |
| Hexachloroethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| Methylene chloride | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,1,1,2-Tetrachloroethane | ND | | 12 | 25 | 04/24/2016 12:57 |
| 1,1,2,2-Tetrachloroethane | ND | | 12 | 25 | 04/24/2016 12:57 |

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|--------|------------------|------------|----------|
| AMW-6R | 1604A33-002A | Water | 04/22/2016 13:10 | GC18 | 120036 |

| Analytes | Result | RL | DF | Date Analyzed |
|------------------------|--------|----|----|------------------|
| Tetrachloroethene | 990 | 12 | 25 | 04/24/2016 12:57 |
| 1,2,3-Trichlorobenzene | ND | 12 | 25 | 04/24/2016 12:57 |
| 1,2,4-Trichlorobenzene | ND | 12 | 25 | 04/24/2016 12:57 |
| 1,1,1-Trichloroethane | ND | 12 | 25 | 04/24/2016 12:57 |
| 1,1,2-Trichloroethane | ND | 12 | 25 | 04/24/2016 12:57 |
| Trichloroethene | 170 | 12 | 25 | 04/24/2016 12:57 |
| Trichlorofluoromethane | ND | 12 | 25 | 04/24/2016 12:57 |
| 1,2,3-Trichloropropane | ND | 12 | 25 | 04/24/2016 12:57 |
| Vinyl Chloride | ND | 12 | 25 | 04/24/2016 12:57 |

| Surrogates | REC (%) | Limits | Date Analyzed |
|----------------------|---------|--------|------------------|
| Dibromofluoromethane | 97 | 70-130 | 04/24/2016 12:57 |
| Toluene-d8 | 97 | 70-130 | 04/24/2016 12:57 |
| 4-BFB | 98 | 70-130 | 04/24/2016 12:57 |

Analyst(s): HK

Analytical Comments: b1



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|------------------------------|---------------|--------|------------------|------------|----------------------|
| AMW-9 | 1604A33-003A | Water | 04/22/2016 13:17 | GC18 | 120036 |
| <u>Analytes</u> | <u>Result</u> | | <u>RL</u> | <u>DF</u> | <u>Date Analyzed</u> |
| Bromobenzene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Bromochloromethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Bromodichloromethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Bromoform | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Bromomethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Carbon Tetrachloride | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Chlorobenzene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Chloroethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Chloroform | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Chloromethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 2-Chlorotoluene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 4-Chlorotoluene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Dibromochloromethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2-Dibromo-3-chloropropane | ND | | 2.0 | 10 | 04/24/2016 13:37 |
| 1,2-Dibromoethane (EDB) | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Dibromomethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2-Dichlorobenzene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,3-Dichlorobenzene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,4-Dichlorobenzene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Dichlorodifluoromethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1-Dichloroethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2-Dichloroethane (1,2-DCA) | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1-Dichloroethene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2-Dichloropropane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,3-Dichloropropane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 2,2-Dichloropropane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1-Dichloropropene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Freon 113 | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Hexachlorobutadiene | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Hexachloroethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| Methylene chloride | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1,1,2-Tetrachloroethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 10 | 04/24/2016 13:37 |

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|--------|------------------|------------|----------|
| AMW-9 | 1604A33-003A | Water | 04/22/2016 13:17 | GC18 | 120036 |

| Analytes | Result | RL | DF | Date Analyzed |
|------------------------|--------|-----|----|------------------|
| Tetrachloroethene | 180 | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1,1-Trichloroethane | ND | 5.0 | 10 | 04/24/2016 13:37 |
| 1,1,2-Trichloroethane | ND | 5.0 | 10 | 04/24/2016 13:37 |
| Trichloroethene | ND | 5.0 | 10 | 04/24/2016 13:37 |
| Trichlorofluoromethane | ND | 5.0 | 10 | 04/24/2016 13:37 |
| 1,2,3-Trichloropropane | ND | 5.0 | 10 | 04/24/2016 13:37 |
| Vinyl Chloride | ND | 5.0 | 10 | 04/24/2016 13:37 |

| Surrogates | REC (%) | Limits | Date Analyzed |
|----------------------|---------|--------|------------------|
| Dibromofluoromethane | 98 | 70-130 | 04/24/2016 13:37 |
| Toluene-d8 | 97 | 70-130 | 04/24/2016 13:37 |
| 4-BFB | 99 | 70-130 | 04/24/2016 13:37 |

Analyst(s): HK



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|------------------------------|--------------|--------|------------------|------------------|----------|
| FHS MW-10 | 1604A33-004A | Water | 04/22/2016 09:30 | GC18 | 120036 |
| Analytes | Result | RL | DF | Date Analyzed | |
| Bromobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Bromochloromethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Bromodichloromethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Bromoform | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Bromomethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Carbon Tetrachloride | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Chlorobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Chloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Chloroform | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Chloromethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 2-Chlorotoluene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 4-Chlorotoluene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Dibromochloromethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.20 | 1 | 04/23/2016 23:41 | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Dibromomethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,2-Dichlorobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,3-Dichlorobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,4-Dichlorobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Dichlorodifluoromethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,1-Dichloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,1-Dichloroethene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| cis-1,2-Dichloroethene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| trans-1,2-Dichloroethene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,2-Dichloropropane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,3-Dichloropropane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 2,2-Dichloropropane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,1-Dichloropropene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| cis-1,3-Dichloropropene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| trans-1,3-Dichloropropene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Freon 113 | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Hexachlorobutadiene | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Hexachloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| Methylene chloride | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 | |

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|--------|------------------|------------|----------|
| FHS MW-10 | 1604A33-004A | Water | 04/22/2016 09:30 | GC18 | 120036 |

| Analytes | Result | RL | DF | Date Analyzed |
|------------------------|--------|------|----|------------------|
| Tetrachloroethene | ND | 0.50 | 1 | 04/23/2016 23:41 |
| 1,2,3-Trichlorobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | 1 | 04/23/2016 23:41 |
| 1,1,1-Trichloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 |
| 1,1,2-Trichloroethane | ND | 0.50 | 1 | 04/23/2016 23:41 |
| Trichloroethene | ND | 0.50 | 1 | 04/23/2016 23:41 |
| Trichlorofluoromethane | ND | 0.50 | 1 | 04/23/2016 23:41 |
| 1,2,3-Trichloropropane | ND | 0.50 | 1 | 04/23/2016 23:41 |
| Vinyl Chloride | ND | 0.50 | 1 | 04/23/2016 23:41 |

| Surrogates | REC (%) | Limits | Date Analyzed |
|----------------------|---------|--------|------------------|
| Dibromofluoromethane | 101 | 70-130 | 04/23/2016 23:41 |
| Toluene-d8 | 96 | 70-130 | 04/23/2016 23:41 |
| 4-BFB | 99 | 70-130 | 04/23/2016 23:41 |

Analyst(s): HK



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|--------|------------------|------------|----------|
| FHS MW-11 | 1604A33-005A | Water | 04/22/2016 10:23 | GC18 | 120036 |

| Analytes | Result | RL | DF | Date Analyzed |
|------------------------------|--------|------|----|------------------|
| Bromobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Bromochloromethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Bromodichloromethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Bromoform | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Bromomethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Carbon Tetrachloride | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Chlorobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Chloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Chloroform | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Chloromethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 2-Chlorotoluene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 4-Chlorotoluene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Dibromochloromethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2-Dibromo-3-chloropropane | ND | 0.20 | 1 | 04/24/2016 00:21 |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Dibromomethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2-Dichlorobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,3-Dichlorobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,4-Dichlorobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Dichlorodifluoromethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1-Dichloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2-Dichloroethane (1,2-DCA) | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1-Dichloroethene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| cis-1,2-Dichloroethene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| trans-1,2-Dichloroethene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2-Dichloropropane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,3-Dichloropropane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 2,2-Dichloropropane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1-Dichloropropene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| cis-1,3-Dichloropropene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| trans-1,3-Dichloropropene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Freon 113 | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Hexachlorobutadiene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Hexachloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Methylene chloride | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 4/22/16 14:30
Date Prepared: 4/23/16-4/24/16
Project: 261829; Foothill Square

WorkOrder: 1604A33
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|-----------|--------------|--------|------------------|------------|----------|
| FHS MW-11 | 1604A33-005A | Water | 04/22/2016 10:23 | GC18 | 120036 |

| Analytes | Result | RL | DF | Date Analyzed |
|------------------------|--------|------|----|------------------|
| Tetrachloroethene | 5.6 | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2,3-Trichlorobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1,1-Trichloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,1,2-Trichloroethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Trichloroethene | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Trichlorofluoromethane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| 1,2,3-Trichloropropane | ND | 0.50 | 1 | 04/24/2016 00:21 |
| Vinyl Chloride | ND | 0.50 | 1 | 04/24/2016 00:21 |

| Surrogates | REC (%) | Limits | Date Analyzed |
|----------------------|---------|--------|------------------|
| Dibromofluoromethane | 100 | 70-130 | 04/24/2016 00:21 |
| Toluene-d8 | 96 | 70-130 | 04/24/2016 00:21 |
| 4-BFB | 99 | 70-130 | 04/24/2016 00:21 |

Analyst(s): HK



Quality Control Report

Client: AEI Consultants
Date Prepared: 4/23/16
Date Analyzed: 4/23/16
Instrument: GC18
Matrix: Water
Project: 261829; Foothill Square

WorkOrder: 1604A33
BatchID: 120036
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-120036
 1604965-001AMS/MSD

QC Summary Report for SW8260B

| Analyte | MB Result | LCS Result | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|-------------------------------|-----------|------------|------|---------|------------|----------|------------|
| Acetone | ND | - | 10 | - | - | - | - |
| tert-Amyl methyl ether (TAME) | ND | 10.6 | 0.50 | 10 | - | 106 | 54-140 |
| Benzene | ND | 10.1 | 0.50 | 10 | - | 101 | 47-158 |
| Bromobenzene | ND | - | 0.50 | - | - | - | - |
| Bromochloromethane | ND | - | 0.50 | - | - | - | - |
| Bromodichloromethane | ND | - | 0.50 | - | - | - | - |
| Bromoform | ND | - | 0.50 | - | - | - | - |
| Bromomethane | ND | - | 0.50 | - | - | - | - |
| 2-Butanone (MEK) | ND | - | 2.0 | - | - | - | - |
| t-Butyl alcohol (TBA) | ND | 40.0 | 2.0 | 40 | - | 100 | 42-140 |
| n-Butyl benzene | ND | - | 0.50 | - | - | - | - |
| sec-Butyl benzene | ND | - | 0.50 | - | - | - | - |
| tert-Butyl benzene | ND | - | 0.50 | - | - | - | - |
| Carbon Disulfide | ND | - | 0.50 | - | - | - | - |
| Carbon Tetrachloride | ND | - | 0.50 | - | - | - | - |
| Chlorobenzene | ND | 10.5 | 0.50 | 10 | - | 105 | 43-157 |
| Chloroethane | ND | - | 0.50 | - | - | - | - |
| Chloroform | ND | - | 0.50 | - | - | - | - |
| Chloromethane | ND | - | 0.50 | - | - | - | - |
| 2-Chlorotoluene | ND | - | 0.50 | - | - | - | - |
| 4-Chlorotoluene | ND | - | 0.50 | - | - | - | - |
| Dibromochloromethane | ND | - | 0.50 | - | - | - | - |
| 1,2-Dibromo-3-chloropropane | ND | - | 0.20 | - | - | - | - |
| 1,2-Dibromoethane (EDB) | ND | 10.6 | 0.50 | 10 | - | 106 | 44-155 |
| Dibromomethane | ND | - | 0.50 | - | - | - | - |
| 1,2-Dichlorobenzene | ND | - | 0.50 | - | - | - | - |
| 1,3-Dichlorobenzene | ND | - | 0.50 | - | - | - | - |
| 1,4-Dichlorobenzene | ND | - | 0.50 | - | - | - | - |
| Dichlorodifluoromethane | ND | - | 0.50 | - | - | - | - |
| 1,1-Dichloroethane | ND | - | 0.50 | - | - | - | - |
| 1,2-Dichloroethane (1,2-DCA) | ND | 10.3 | 0.50 | 10 | - | 103 | 66-125 |
| 1,1-Dichloroethene | ND | 10.0 | 0.50 | 10 | - | 100 | 47-149 |
| cis-1,2-Dichloroethene | ND | - | 0.50 | - | - | - | - |
| trans-1,2-Dichloroethene | ND | - | 0.50 | - | - | - | - |
| 1,2-Dichloropropane | ND | - | 0.50 | - | - | - | - |
| 1,3-Dichloropropane | ND | - | 0.50 | - | - | - | - |
| 2,2-Dichloropropane | ND | - | 0.50 | - | - | - | - |

(Cont.)

NELAP 4033ORELAP

QA/QC Officer



Quality Control Report

Client: AEI Consultants
Date Prepared: 4/23/16
Date Analyzed: 4/23/16
Instrument: GC18
Matrix: Water
Project: 261829; Foothill Square

WorkOrder: 1604A33
BatchID: 120036
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-120036
 1604965-001AMS/MSD

QC Summary Report for SW8260B

| Analyte | MB Result | LCS Result | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|-------------------------------|-----------|------------|------|---------|------------|----------|------------|
| 1,1-Dichloropropene | ND | - | 0.50 | - | - | - | - |
| cis-1,3-Dichloropropene | ND | - | 0.50 | - | - | - | - |
| trans-1,3-Dichloropropene | ND | - | 0.50 | - | - | - | - |
| Diisopropyl ether (DIPE) | ND | 10.2 | 0.50 | 10 | - | 101 | 57-136 |
| Ethanol | ND | - | 50 | - | - | - | - |
| Ethylbenzene | ND | - | 0.50 | - | - | - | - |
| Ethyl tert-butyl ether (ETBE) | ND | 10.1 | 0.50 | 10 | - | 101 | 55-137 |
| Freon 113 | ND | - | 0.50 | - | - | - | - |
| Hexachlorobutadiene | ND | - | 0.50 | - | - | - | - |
| Hexachloroethane | ND | - | 0.50 | - | - | - | - |
| 2-Hexanone | ND | - | 0.50 | - | - | - | - |
| Isopropylbenzene | ND | - | 0.50 | - | - | - | - |
| 4-Isopropyl toluene | ND | - | 0.50 | - | - | - | - |
| Methyl-t-butyl ether (MTBE) | ND | 10.0 | 0.50 | 10 | - | 100 | 53-139 |
| Methylene chloride | ND | - | 0.50 | - | - | - | - |
| 4-Methyl-2-pentanone (MIBK) | ND | - | 0.50 | - | - | - | - |
| Naphthalene | ND | - | 0.50 | - | - | - | - |
| n-Propyl benzene | ND | - | 0.50 | - | - | - | - |
| Styrene | ND | - | 0.50 | - | - | - | - |
| 1,1,1,2-Tetrachloroethane | ND | - | 0.50 | - | - | - | - |
| 1,1,2,2-Tetrachloroethane | ND | - | 0.50 | - | - | - | - |
| Tetrachloroethene | ND | - | 0.50 | - | - | - | - |
| Toluene | ND | 10.4 | 0.50 | 10 | - | 104 | 52-137 |
| 1,2,3-Trichlorobenzene | ND | - | 0.50 | - | - | - | - |
| 1,2,4-Trichlorobenzene | ND | - | 0.50 | - | - | - | - |
| 1,1,1-Trichloroethane | ND | - | 0.50 | - | - | - | - |
| 1,1,2-Trichloroethane | ND | - | 0.50 | - | - | - | - |
| Trichloroethene | ND | 10.5 | 0.50 | 10 | - | 105 | 43-157 |
| Trichlorofluoromethane | ND | - | 0.50 | - | - | - | - |
| 1,2,3-Trichloropropane | ND | - | 0.50 | - | - | - | - |
| 1,2,4-Trimethylbenzene | ND | - | 0.50 | - | - | - | - |
| 1,3,5-Trimethylbenzene | ND | - | 0.50 | - | - | - | - |
| Vinyl Chloride | ND | - | 0.50 | - | - | - | - |
| Xylenes, Total | ND | - | 0.50 | - | - | - | - |



Quality Control Report

Client: AEI Consultants
Date Prepared: 4/23/16
Date Analyzed: 4/23/16
Instrument: GC18
Matrix: Water
Project: 261829; Foothill Square

WorkOrder: 1604A33
BatchID: 120036
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-120036
 1604965-001AMS/MSD

QC Summary Report for SW8260B

| Analyte | MB Result | LCS Result | RL | SPK Val | MB SS %REC | LCS %REC | LCS Limits |
|---------------------------|-----------|------------|----|---------|------------|----------|------------|
| Surrogate Recovery | | | | | | | |
| Dibromofluoromethane | 24.4 | 25.4 | | 25 | 98 | 102 | 70-130 |
| Toluene-d8 | 24.3 | 24.4 | | 25 | 97 | 98 | 70-130 |
| 4-BFB | 2.49 | 2.54 | | 2.5 | 99 | 102 | 70-130 |

| Analyte | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD Limit |
|-------------------------------|-----------|------------|---------|------------|---------|----------|---------------|-------|-----------|
| tert-Amyl methyl ether (TAME) | 10.6 | 10.7 | 10 | ND | 106 | 107 | 69-139 | 1.23 | 20 |
| Benzene | 10.2 | 10.3 | 10 | ND | 102 | 103 | 69-141 | 0.528 | 20 |
| t-Butyl alcohol (TBA) | 40.9 | 40.2 | 40 | ND | 102 | 101 | 41-152 | 1.71 | 20 |
| Chlorobenzene | 10.6 | 10.6 | 10 | ND | 106 | 106 | 77-120 | 0 | 20 |
| 1,2-Dibromoethane (EDB) | 10.5 | 10.6 | 10 | ND | 105 | 106 | 76-135 | 0.480 | 20 |
| 1,2-Dichloroethane (1,2-DCA) | 10.3 | 10.3 | 10 | ND | 103 | 103 | 73-139 | 0 | 20 |
| 1,1-Dichloroethene | 10.1 | 10.2 | 10 | ND | 101 | 102 | 59-140 | 0.623 | 20 |
| Diisopropyl ether (DIPE) | 10.2 | 10.2 | 10 | ND | 102 | 102 | 72-140 | 0 | 20 |
| Ethyl tert-butyl ether (ETBE) | 10.1 | 10.2 | 10 | ND | 101 | 102 | 71-140 | 0.814 | 20 |
| Methyl-t-butyl ether (MTBE) | 10.1 | 10.1 | 10 | ND | 101 | 101 | 73-139 | 0 | 20 |
| Toluene | 10.6 | 10.6 | 10 | ND | 106 | 106 | 71-128 | 0 | 20 |
| Trichloroethene | 10.6 | 10.6 | 10 | ND | 106 | 106 | 64-132 | 0 | 20 |
| Surrogate Recovery | | | | | | | | | |
| Dibromofluoromethane | 25.0 | 25.2 | 25 | | 100 | 101 | 73-131 | 0.628 | 20 |
| Toluene-d8 | 24.5 | 24.5 | 25 | | 98 | 98 | 72-117 | 0 | 20 |
| 4-BFB | 2.55 | 2.58 | 2.5 | | 102 | 103 | 74-116 | 1.12 | 20 |



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1604A33

ClientCode: AEL

WaterTrax
 WriteOn
 EDF
 Excel
 EQUIS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:
 Jeremy Smith
 AEI Consultants
 2500 Camino Diablo, Ste.#200
 Walnut Creek, CA 94597
 (925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
 cc/3rd Party:
 PO: 107228
 ProjectNo: 261829; Foothill Square

Bill to:
 Accounts Payable
 AEI Consultants
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597
 AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: 04/22/2016
Date Logged: 04/22/2016

| Lab ID | Client ID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | | |
|-------------|-----------|--------|-----------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|--|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 1604A33-001 | AMW-1 | Water | 4/22/2016 11:35 | <input type="checkbox"/> | A | A | | | | | | | | | | | |
| 1604A33-002 | AMW-6R | Water | 4/22/2016 13:10 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1604A33-003 | AMW-9 | Water | 4/22/2016 13:17 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1604A33-004 | FHS MW-10 | Water | 4/22/2016 9:30 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1604A33-005 | FHS MW-11 | Water | 4/22/2016 10:23 | <input type="checkbox"/> | A | | | | | | | | | | | | |

Test Legend:

| | | | | | | | |
|---|---------|----|--------------|----|--|----|--|
| 1 | 8260B_W | 2 | PREFD REPORT | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

Prepared by: Alexandra Iniguez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS

QC Level: LEVEL 2

Work Order: 1604A33

Project: 261829; Foothill Square

Client Contact: Jeremy Smith

Date Logged: 4/22/2016

Comments:

Contact's Email: jasmith@aeiconsultants.com

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

| Lab ID | Client ID | Matrix | Test Name | Containers /Composites | Bottle & Preservative | De-chlorinated | Collection Date & Time | TAT | Sediment Content | Hold | SubOut |
|--------------|-----------|--------|----------------|------------------------|-----------------------|--------------------------|------------------------|--------|------------------|--------------------------|--------|
| 1604A33-001A | AMW-1 | Water | SW8260B (VOCs) | 1 | VOA w/ HCl | <input type="checkbox"/> | 4/22/2016 11:35 | 5 days | Present | <input type="checkbox"/> | |
| 1604A33-002A | AMW-6R | Water | SW8260B (VOCs) | 1 | VOA w/ HCl | <input type="checkbox"/> | 4/22/2016 13:10 | 5 days | 1%+ | <input type="checkbox"/> | |
| 1604A33-003A | AMW-9 | Water | SW8260B (VOCs) | 1 | VOA w/ HCl | <input type="checkbox"/> | 4/22/2016 13:17 | 5 days | Present | <input type="checkbox"/> | |
| 1604A33-004A | FHS MW-10 | Water | SW8260B (VOCs) | 1 | VOA w/ HCl | <input type="checkbox"/> | 4/22/2016 9:30 | 5 days | Trace | <input type="checkbox"/> | |
| 1604A33-005A | FHS MW-11 | Water | SW8260B (VOCs) | 1 | VOA w/ HCl | <input type="checkbox"/> | 4/22/2016 10:23 | 5 days | Present | <input type="checkbox"/> | |

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1604A33

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565

Telephone: (925) 252-9262

Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

EDF Required? Yes No

Report To: Jeremy Smith Bill To: same P.O. 107228
Company: AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597 E-Mail: jasmith@aeiconsultants.com
Tele: (925) 746-6000 Fax: (925) 746-6099
Project #: 261829 Project Name: Foothill Square
Project Location: 10700 MacArthur Blvd. Oakland, CA
Sampler Signature: *[Signature]*

Analysis Request

Other

Comments

| SAMPLE ID (Field Point Name) | LOCATION | SAMPLING | | # Containers | Type Containers | MATRIX | | | | | METHOD PRESERVED | | | | | | | | |
|---------------------------------|----------|----------|-------|--------------|-----------------|--------|------|-----|--------|-------|------------------|-----|------------------|-------|--|--|--|--|--|
| | | Date | Time | | | Water | Soil | Air | Sludge | Other | Ice | HCl | HNO ₃ | Other | | | | | |
| AMW-1 | | 4/22/16 | 11:35 | 3 | | X | | | | | X | X | | | | | | | |
| AMW-6R | | | 12:10 | | | X | | | | | X | X | | | | | | | |
| AMW-9 | | | 13:17 | | | X | | | | | X | X | | | | | | | |
| FHS MW-10 | | | 09:30 | | | X | | | | | X | X | | | | | | | |
| FHS MW-11 | | | 10:23 | | | X | | | | | X | X | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|
| BTEX & TPH as Gas (602/8020 + 8015)/MTBE | | | | | | | | | | | | | | | | | | | |
| TPH as Diesel (8015) w/silica Gel Cleanup | | | | | | | | | | | | | | | | | | | |
| Total Petroleum Oil & Grease (5520 E&F/B&F) | | | | | | | | | | | | | | | | | | | |
| Total Petroleum Hydrocarbons (418.1) | | | | | | | | | | | | | | | | | | | |
| HVOCs EPA 8260 | | | | | | | | | | | X | | | | | | | | |
| BTEX ONLY (EPA 602 / 8020) | | | | | | | | | | | X | | | | | | | | |
| EPA 608 / 8080 | | | | | | | | | | | X | | | | | | | | |
| EPA 608 / 8080 PCB's ONLY | | | | | | | | | | | X | | | | | | | | |
| EPA 624 / 8260 | | | | | | | | | | | X | | | | | | | | |
| EPA 625 / 8270 | | | | | | | | | | | X | | | | | | | | |
| PAH's / PNA's by EPA 625 / 8270 / 8310 | | | | | | | | | | | X | | | | | | | | |
| CAM-17 Metals | | | | | | | | | | | X | | | | | | | | |
| LUFT 5 Metals | | | | | | | | | | | X | | | | | | | | |
| Lead (7240/7421/239.2/6010) | | | | | | | | | | | X | | | | | | | | |
| RCI | | | | | | | | | | | X | | | | | | | | |

| | | | |
|-------------------------------------|---------------|------------|---------------------------------|
| Relinquished By: <i>[Signature]</i> | Date: 4/22/16 | Time: 1430 | Received By: <i>[Signature]</i> |
| Relinquished By: | Date: | Time: | Received By: |
| Relinquished By: | Date: | Time: | Received By: |

ICE/t° _____
 GOOD CONDITION _____
 HEAD SPACE ABSENT _____
 DECHLORINATED IN LAB _____

PRESERVATION _____
 APPROPRIATE CONTAINERS _____
 PERSERVED IN LAB _____

VOAS | O&G | METALS | OTHER



Sample Receipt Checklist

| | | | |
|---------------|--------------------------------|-------------------------|------------------------|
| Client Name: | AEI Consultants | Date and Time Received: | 4/22/2016 14:30 |
| Project Name: | 261829; Foothill Square | Date Logged: | 4/22/2016 |
| WorkOrder No: | 1604A33 | Matrix: | <u>Water</u> |
| Carrier: | <u>Client Drop-In</u> | Received by: | Alexandra Iniguez |
| | | Logged by: | Alexandra Iniguez |

Chain of Custody (COC) Information

| | | |
|---|---|-----------------------------|
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sample IDs noted by Client on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Date and Time of collection noted by Client on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sampler's name noted on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

Sample Receipt Information

| | | | |
|--|---|-----------------------------|-----------------------------|
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper containers/bottles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|-----------------------------|--|
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample/Temp Blank temperature | Temp: 1.2°C | | NA <input type="checkbox"/> |
| Water - VOA vials have zero headspace / no bubbles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Sample labels checked for correct preservation? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Samples Received on Ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

(Ice Type: WET ICE)

UCMR3 Samples:

| | | | |
|--|------------------------------|-----------------------------|--|
| Total Chlorine tested and acceptable upon receipt for EPA 522? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

 Comments: