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Alameda County
Environmental Health

May 26, 2010

**GROUNDWATER MONITORING REPORT
1st Semester, 2010**

10700 MacArthur Boulevard
Oakland, California

AEI Project No. 261829
Toxics Case No. RO0002580

Prepared For

Jay-Phares Corporation
Attn: John Jay
10700 MacArthur Boulevard, Suite 200
Oakland, CA 94605

Prepared By

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ENVIRONMENTAL & ENGINEERING SERVICES

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May 26, 2010

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

**Subject: Semiannual Groundwater Monitoring Report
 1st Semester, 2010**
10700 MacArthur Boulevard
Oakland, California
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 (Figure 1: Site Location Map). The documentation of groundwater quality beneath and around the site was performed 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, 9 2010.

Site Description and Background

The subject property (hereinafter referred to as the site or property) is located at 10700 MacArthur Boulevard (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 five buildings, together totaling approximately 155,600 square feet. The area of concern is the former Youngs Cleaners, located on the north side of the property.

The site is situated in a mixed commercial and residential area of Oakland. The site is bound 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.

Extensive site assessment activities have been conducted to date including the installation of multiple monitoring wells, soil borings, and soil vapor borings, as well as source removal excavation. The most recent investigation included additional soil vapor borings which completed vapor phase contaminate delineation for the site. An approval for pilot study site mitigation activities has been obtained from the ACHCSA, however the pilot study has yet to commence. For a complete history of previous site investigation activities as well as planned pilot study details, please refer to AEI's *Supplemental Soil Vapor Investigation Report* dated June 25, 2008.

The remainder of this report documents the activities and results of the recent groundwater sampling event.

Summary of Activities

On April 9, 2010, AEI gauged the groundwater levels in each of the thirteen active groundwater monitoring wells at the site and groundwater samples were collected from eight of the wells (AMW-1, AMW-4, AMW-5, AMW-6, AMW-9, MW-6, FHS MW-10, and FHS MW-11 in accordance with the approved sampling schedule. 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 prior to sampling with an electric water level indicator. The wells were then purged of at least three well volumes using a battery powered submersible pump. Field data sheets are included in Appendix A.

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

Groundwater samples were collected from each well to be sampled into three 40 ml volatile organic analysis (VOA) vials. The samples were capped so that neither head space nor air bubbles were visible within the sample containers. Samples were labeled with unique identifiers, stored over water ice, and placed under chain of custody. The samples were transported 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 in a shallow water bearing zone or a deeper water bearing zone. Shallow zone wells (AMW-1, AMW-4, AMW-5, AMW-6, WGR MW2, WGR MW3, and MW-7) are screened from approximately 15 to 35 feet below ground surface (bgs), and deeper wells (AMW-8, AMW-9, WGR MW4, MW-6, and FHS

MW-10 and FHS MW-11) are generally in the 35 to 60 feet bgs range. Screen intervals, where known, are presented in Table 1.

Overall, groundwater levels at the site increased several feet in the wells since the last monitoring event. Groundwater levels in the shallow aquifer ranged from 40.82 to 53.56 feet above mean sea level (amsl) on April 9, 2010. Groundwater was determined to flow to the west at a hydraulic gradient of 0.03 feet per foot, both consistent with previous episodes. Groundwater levels in the deeper, apparently confined/semi-confined aquifer, ranged from 30.30 to 46.79 feet above msl on April 9, 2010. Groundwater flow in the deep aquifer was toward the southwest at a hydraulic gradient of 0.03 feet per foot, consistent with previous findings.

Groundwater measurement data are summarized in Table 1. The groundwater elevation contours are shown in Figures 3 and 4. Refer to Appendix A for Groundwater Monitoring Well Field Sampling Forms.

Groundwater Quality

The highest concentrations of tetrachloroethene (PCE), trichloroethylene (TCE), and cis-1,2 dichloroethylene (cis-1,2 DCE) detected in groundwater from the shallow wells was from well AMW-6 (530 micrograms per liter ($\mu\text{g/L}$), 61 $\mu\text{g/L}$, and 56 $\mu\text{g/L}$ respectively). The concentration of PCE in this well was higher than recent sampling events, however lower than historical concentrations. The highest concentrations of PCE, TCE, and cis-1,2 DCE in the deeper zone were found in well MW-6 at 160 $\mu\text{g/L}$, 10 $\mu\text{g/L}$, and 5.5 $\mu\text{g/L}$, respectively. PCE was also detected in well AMW-9 at a concentration of 160 $\mu\text{g/L}$. The concentrations in MW-6 are lower than both recent and historical results. The PCE concentration detected in well AMW-9 is relatively consistent with recent sampling events.

A summary of groundwater quality data, including historical results, is presented in Table 2. Laboratory results and chain of custody documents are included in Appendix B. Refer to Figure 5 for a summary of VOC concentrations in the wells sampled during this event.

Summary


In general, chlorinated VOC concentrations in groundwater beneath the site appear relatively stable. The ACHCSA, in a letter dated July 10, 2008, concurred that no further characterization is necessary to investigate shallow soil vapor beneath the site and AEI may commence with the pilot testing activities at the site. The pilot testing activities are currently scheduled to take place in conjunction with site remodeling activities, which have not yet been scheduled. However, tenants in the vicinity of the proposed pilot study activities have since been relocated and the tenant spaces are currently empty. Furthermore, the units will remain empty and not be occupied until pilot study activities have been completed. The pilot study was previously due on April 16, 2010; however, the remodeling activities have not been scheduled. A new date has not been established for the pilot study; however, tenant spaces will remain vacant pending the results of the pilot study activities. The ACHCSA will be notified once a pilot study schedule has been established. The monitoring well network will continue to be sampled by AEI in accordance with the approved sampling schedule, with the next sampling event scheduled during October 2010.

Report Limitations and Signatures

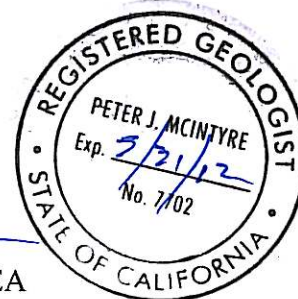
This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required 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 construction 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 either of the undersigned at (925) 746-6000.

Sincerely,
AEI Consultants


Jeremy Smith, REA II
Senior Project Manager


Peter McIntyre, PG, REA
Senior Project Geologist



Figures

| | |
|----------|---|
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Figure 3 | Groundwater Elevation Map – Shallow Wells |
| Figure 4 | Groundwater Elevation Map – Deep Wells |
| Figure 5 | Groundwater Analytical Data |

Tables

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

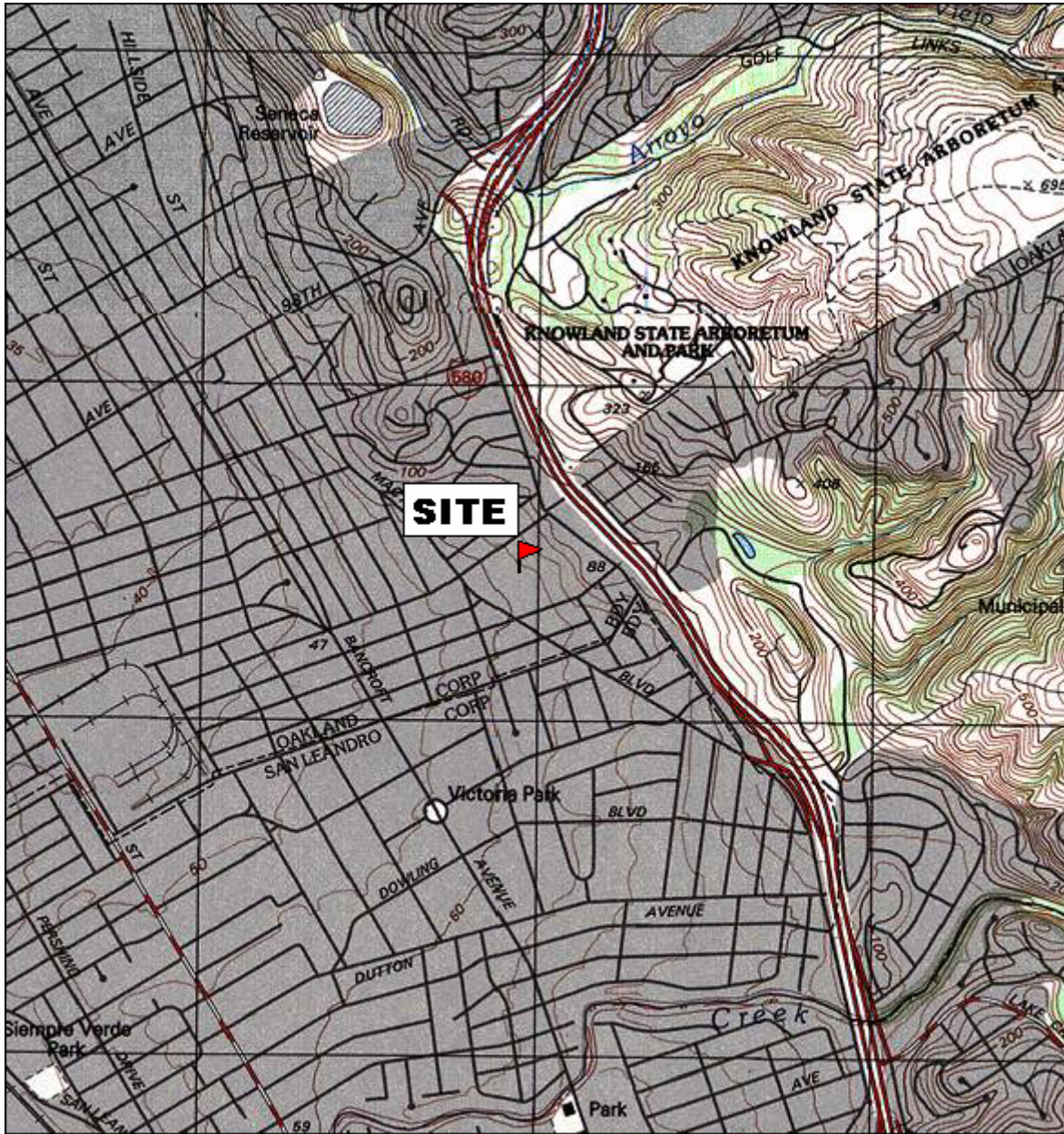
Appendices

| | |
|------------|---|
| Appendix A | Groundwater Monitoring Well Field Sampling Forms |
| Appendix B | Laboratory Analyses With Chain of Custody Documentation |

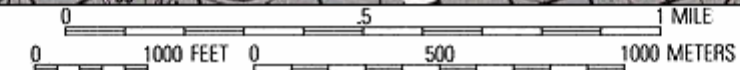
Distribution

Mr. Jerry Wickham, 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

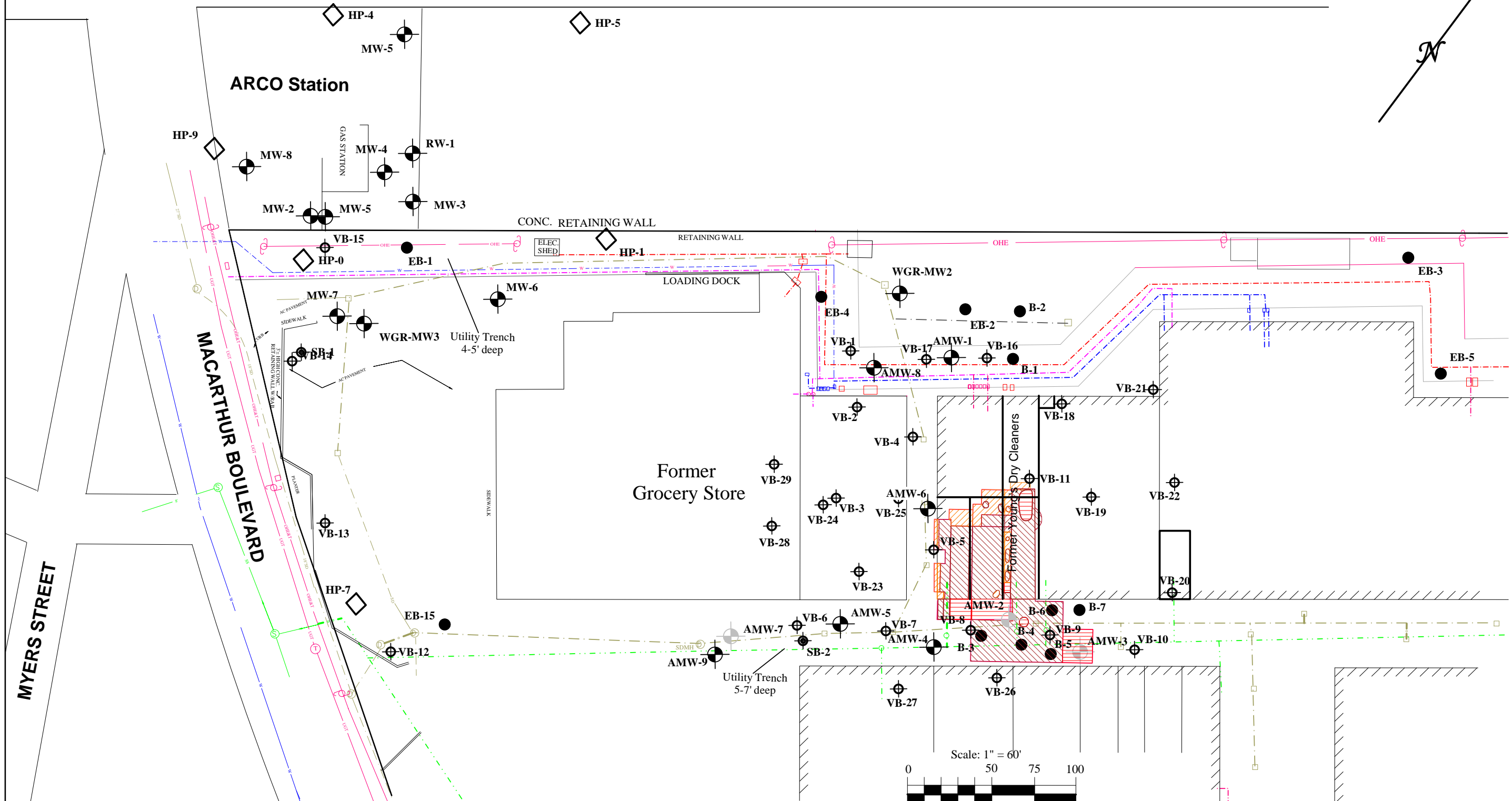
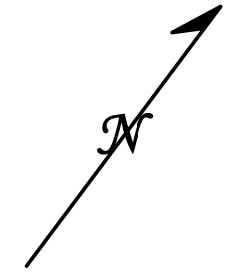


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| | |
|---|---------------------------------------|
| AEI CONSULTANTS 2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597 | |
| SITE LOCATION MAP | |
| 10700 MACARTHUR BLVD OAKLAND, CALIFORNIA | FIGURE 1 PROJECT No. 261829 |



KEY

| | |
|--------|---|
| EB-1 ● | Soil Boring - Kaldveer 1988 |
| B-1 ● | Soil Boring - Augeas 1994 |
| HP-8 ◊ | CPT Boring/HydroPunch Sample - PES 1997 |
| MW-4 ● | 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 |
| | Abandoned Monitoring Well |

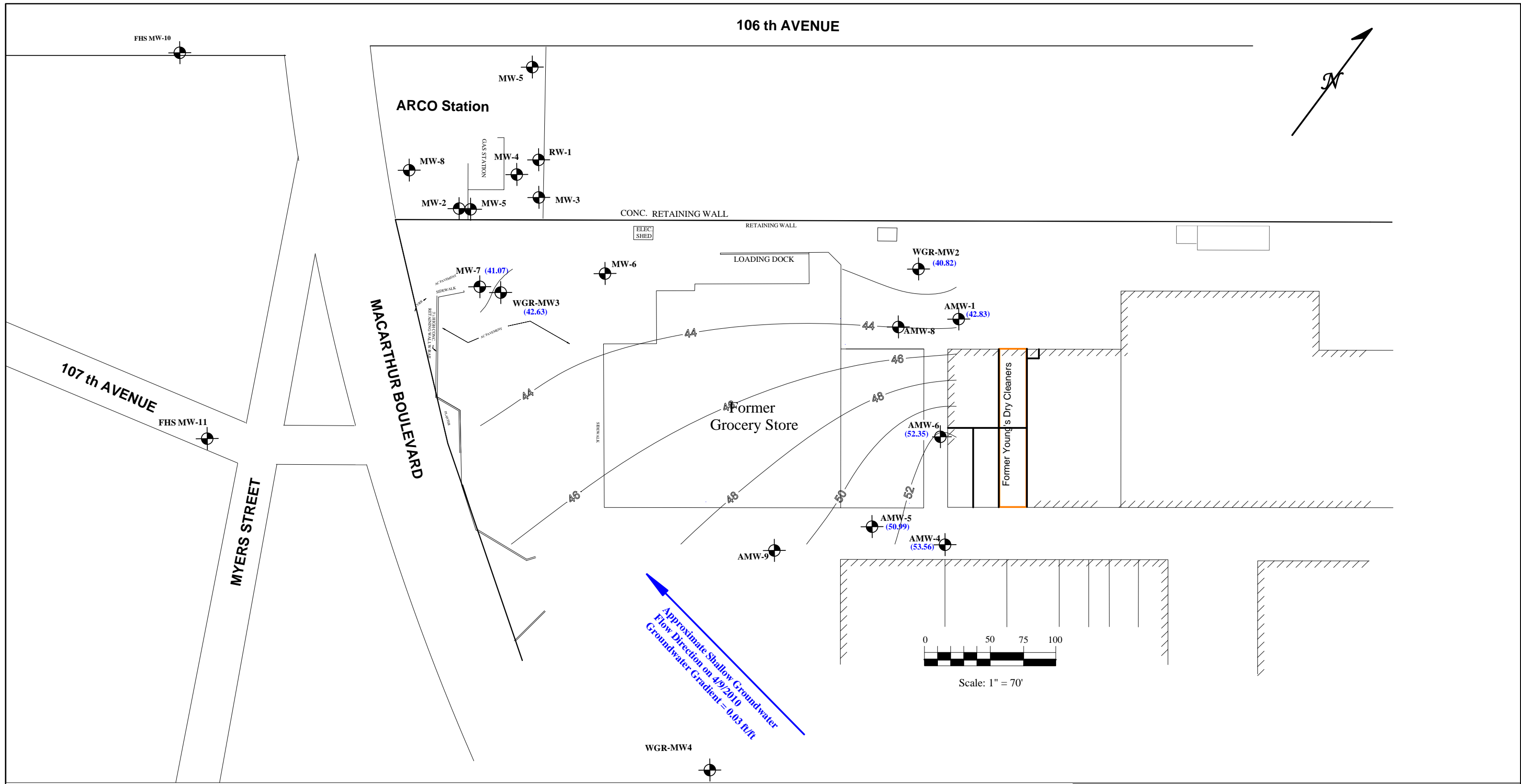
| | |
|--|---------------------------|
| | On Site Storm Drain |
| | Off Site Storm Drain |
| | On Site Sanitary Sewer |
| | Off Site Sanitary Sewer |
| | On Site Underground Power |
| | On Site Gas Line |

Scale: 1" = 60'




0 50 75 100

Drafted 6/30/05 - RFF on Dirk Slooten base
Revised 05/08 by J.SMITH

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



KEY

-  Groundwater Monitoring Well
- MW4**  (49.91) = Groundwater Elevation (feet)
-  Groundwater Contour in 2 foot intervals

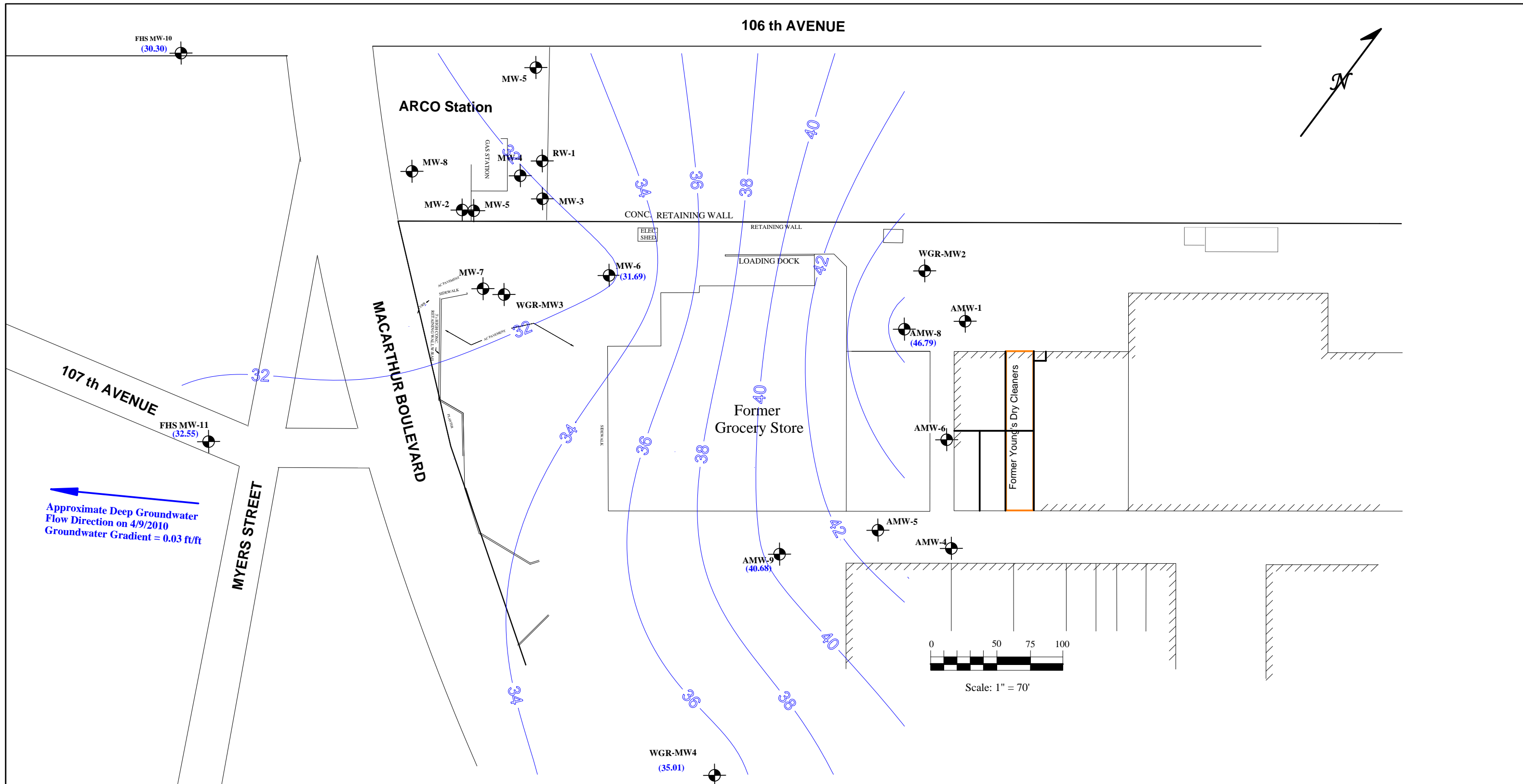
AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA



Groundwater Elevation Map - Shallow Wells

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 3
PROJECT NO. 261829



KEY

-  Groundwater Monitoring Well
- MW4
- (49.91) = Groundwater Elevation (feet)
-  Groundwater Contour in 2 foot intervals

AEI CONSULTANTS

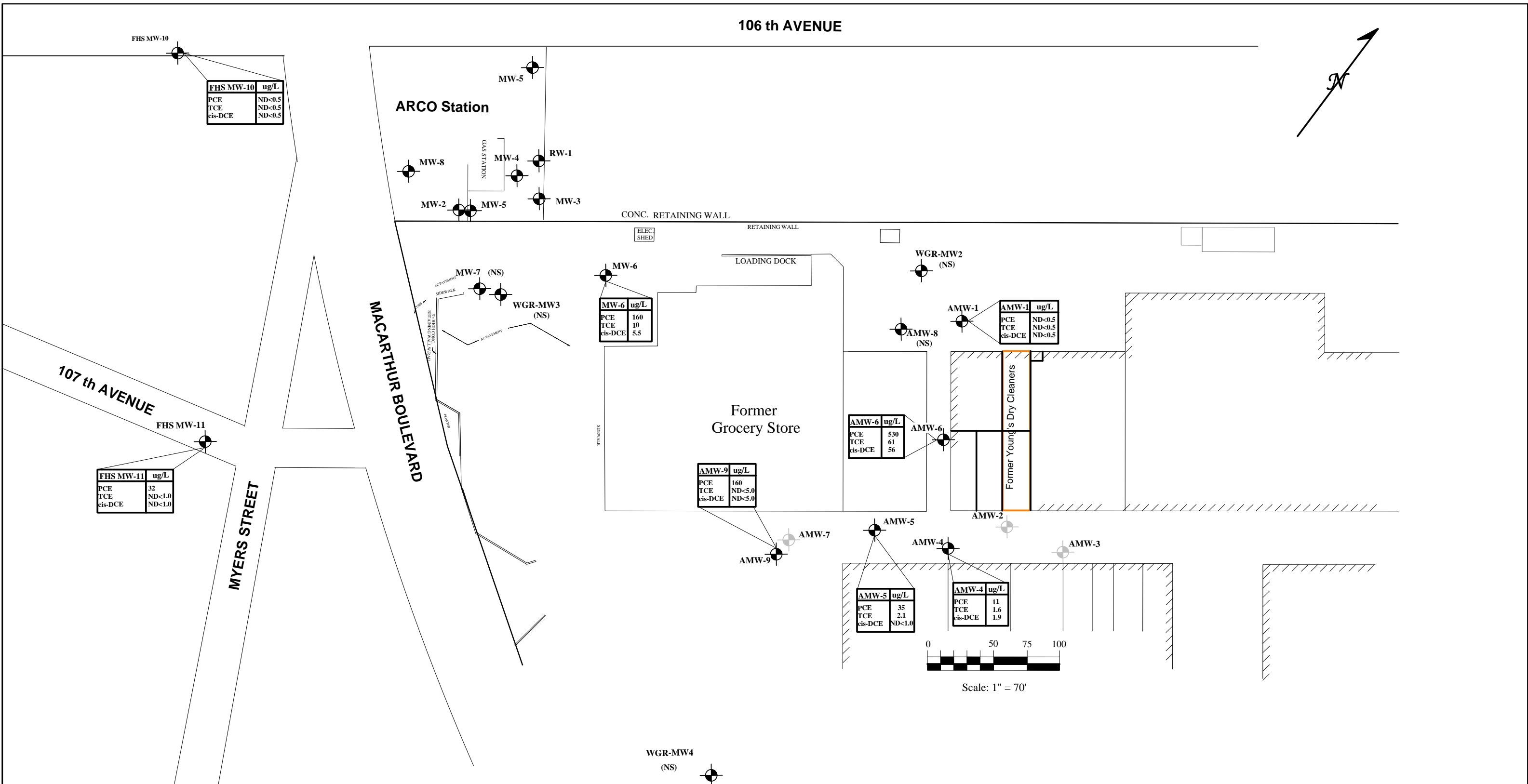
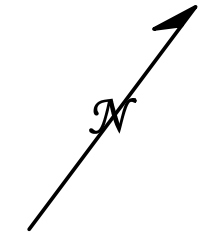
2500 CAMINO DIABLO, WALNUT CREEK, CA

**Groundwater Elevation Map -
Deep Wells**

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 4
PROJECT NO. 261829

106 th AVENUE



KEY



Groundwater Monitoring Well

MW4

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

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2500 CAMINO DIABLO, WALNUT CREEK, CA

**Groundwater Analytical Data
(4/9/10)**

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 5
PROJECT NO. 261829

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 |
| 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 |
| 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 |

Table 1: Continued

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|---------------------------|-----------------|-----------------------------|----------------------------------|---------------------------|--------------------------------------|
| 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 |
| AMW-7 (Shallow) | 1/29/1999 | Unknown | 64.24 | 14.91 | 49.33 |
| | 5/5/1999 | | Well Covered during construction | | |
| 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 |

Table 1: Continued

| Well ID (Aquifer zone) | Date | Screen Interval (ft bgs) | Well Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) |
|---------------------------|-----------------|-----------------------------|-------------------------------|---------------------------|--------------------------------------|
| 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 |
| 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 |
| 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 |

Table 1: Continued

| 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 |
| 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 |

Table 1: Continued

| 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 |
| 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 |
| 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 | | |

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.

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 | |
| 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<RL⁷ | |
| 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 | |

| 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-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 | |
| 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 | |
| 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 | |

| 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-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 | |
| 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 | |
| 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 | Augus | 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 | |

| 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 | Augueus | 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 | |
| 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 |
| 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 |
| 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 | |

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)

*** Dibromochloromethane

**** Methylene Chloride

***** bromodichloromethane

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

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

¹ = Reported by laboratroy 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

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

RL = Reporting Limit

NS = Well not sampled

NR = Not Reported

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

Tetrachloroethene (PCE)

Trichloroethene (TCE)

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: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 21.68 | | |
| Water Elevation (feet above msl) | 42.83 | | |
| 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) | 11.2 | | |
| Actual Volume Purged (gallons) | 12.0 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 8:52 | 1 | 18.54 | 7.34 | 1,187 | 1.57 | 277.6 | Clear |
| | 2 | 18.61 | 7.38 | 1,181 | 1.47 | 276.7 | Clear |
| | 3 | 18.59 | 7.38 | 1,188 | 1.49 | 276.6 | Clear |
| | 4 | 18.87 | 7.35 | 1,260 | 0.78 | 276.0 | Clear |
| | 5 | 18.90 | 7.36 | 1,228 | 0.75 | 275.6 | Clear |
| | 6 | 18.91 | 7.39 | 1,182 | 0.69 | 272.8 | Clear |
| | 9 | 18.95 | 7.41 | 1,175 | 0.59 | 270.8 | Clear |
| | 12 | 18.95 | 7.41 | 1,174 | 0.60 | 270.4 | Clear |

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

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AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-4

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 64.79 | | |
| Depth of Well | 25.00 | | |
| Depth to Water (from top of casing) | 11.23 | | |
| Water Elevation (feet above msl) | 53.56 | | |
| 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) | 6.6 | | |
| Actual Volume Purged (gallons) | 7.0 | | |
| Appearance of Purge Water | Initially slightly brown, clearing by 1 gallon | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 9:20 | 1 | 18.89 | 7.30 | 794 | 1.46 | 281.5 | Clear |
| | 2 | 18.98 | 7.32 | 838 | 1.14 | 274.3 | Clear |
| | 3 | 19.04 | 7.33 | 858 | 1.00 | 278.0 | Clear |
| | 4 | 19.09 | 7.34 | 881 | 0.90 | 275.9 | Clear |
| | 5 | 19.11 | 7.35 | 895 | 0.87 | 274.4 | Clear |
| | 6 | 19.13 | 7.37 | 916 | 0.79 | 273.2 | Clear |
| | 7 | 19.15 | 7.36 | 930 | 0.74 | 272.7 | Clear |

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

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AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-5

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 64.97 | | |
| Depth of Well | 30.00 | | |
| Depth to Water (from top of casing) | 13.98 | | |
| Water Elevation (feet above msl) | 50.99 | | |
| 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) | 7.7 | | |
| Actual Volume Purged (gallons) | 8.0 | | |
| Appearance of Purge Water | Initially brownish, clearing by 2 gallons | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 9:35 | 1 | 18.52 | 7.27 | 1,158 | 0.87 | 280.0 | Slightly brown |
| | 2 | 18.43 | 7.27 | 1,144 | 0.72 | 276.5 | Clear |
| | 3 | 18.46 | 7.27 | 1,150 | 0.67 | 276.0 | Clear |
| | 4 | 18.62 | 7.26 | 1,154 | 0.58 | 275.5 | Clear |
| | 5 | 18.73 | 7.27 | 1,157 | 0.58 | 274.7 | Clear |
| | 6 | 18.95 | 7.25 | 1,177 | 0.52 | 272.2 | Clear |
| | 7 | 19.04 | 7.22 | 1,187 | 0.48 | 271.4 | Clear |
| | 8 | 19.08 | 7.20 | 1,195 | 0.60 | 270.4 | Clear |

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

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| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-6

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 65.10 | | |
| Depth of Well | 25.00 | | |
| Depth to Water (from top of casing) | 12.75 | | |
| Water Elevation (feet above msl) | 52.35 | | |
| 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) | 5.9 | | |
| Actual Volume Purged (gallons) | 6.0 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 9:08 | 1 | 17.97 | 7.35 | 1,160 | 1.68 | 279.1 | Clear |
| | 2 | 18.02 | 7.34 | 1,159 | 1.14 | 277.1 | Clear |
| | 3 | 18.09 | 7.34 | 1,165 | 0.96 | 276.8 | Clear |
| | 4 | 18.21 | 7.35 | 1,172 | 0.81 | 276.3 | Clear |
| | 5 | 18.33 | 7.37 | 1,178 | 0.85 | 275.4 | Clear |
| | 6 | 18.40 | 7.38 | 1,180 | 0.90 | 274.6 | Clear |

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

| |
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| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-8

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 64.55 | | |
| Depth of Well | 45.00 | | |
| Depth to Water (from top of casing) | 17.76 | | |
| Water Elevation (feet above msl) | 46.79 | | |
| 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) | Not sampled | | |
| Appearance of Purge Water | -- | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

| |
|---|
| Well not sampled in accordance with sampling schedule |
| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-9

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 22.80 | | |
| Water Elevation (feet above msl) | 40.68 | | |
| 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) | 15.1 | | |
| Actual Volume Purged (gallons) | 16.0 | | |
| Appearance of Purge Water | Initially light brown, clearing by 1 gallon | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 10:33 | 1 | 20.09 | 7.18 | 1,541 | 2.43 | 277.9 | Clear |
| | 2 | 20.26 | 7.14 | 1,547 | 2.39 | 279.0 | Clear |
| | 3 | 20.34 | 7.14 | 1,549 | 2.80 | 279.0 | Clear |
| | 4 | 20.43 | 7.15 | 1,551 | 3.58 | 280.0 | Clear |
| | 5 | 20.52 | 7.16 | 1,548 | 3.60 | 279.7 | Clear |
| | 6 | 20.58 | 7.17 | 1,513 | 3.46 | 279.5 | Clear |
| | 9 | 20.67 | 7.20 | 1,004 | 2.58 | 279.3 | Clear |
| | 12 | 20.63 | 7.15 | 1,156 | 2.70 | 279.4 | Clear |
| | 15 | 20.56 | 7.21 | 1,555 | 3.86 | 277.3 | Clear |
| | 16 | 20.54 | 7.20 | 1,556 | 2.87 | 276.9 | Clear |

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

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

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-2

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-------------|-----------------|---|
| Well Casing Diameter (2"/4"/6") | 4 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 63.18 | | |
| Depth of Well | 28.00 | | |
| Depth to Water (from top of casing) | 22.36 | | |
| Water Elevation (feet above msl) | 40.82 | | |
| 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) | Not sampled | | |
| Appearance of Purge Water | -- | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

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

| |
|---|
| Well not sampled in accordance with sampling schedule |
| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-3

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-------------|-----------------|---|
| Well Casing Diameter (2"/4"/6") | 4 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 58.34 | | |
| Depth of Well | 27.00 | | |
| Depth to Water (from top of casing) | 15.71 | | |
| Water Elevation (feet above msl) | 42.63 | | |
| 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) | Not sampled | | |
| Appearance of Purge Water | | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

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

| |
|---|
| Well not sampled in accordance with sampling schedule |
| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: WGR MW-4

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| Project Address: | 10700 MacArthur Blvd., Oakland | | |

MONITORING WELL DATA

| | | | |
|---|-------------|-----------------|---|
| Well Casing Diameter (2"/4"/6") | 4 | | |
| Wellhead Condition | OK | | |
| Elevation of Top of Casing (feet above msl) | 60.02 | | |
| Depth of Well | 44.96 | | |
| Depth to Water (from top of casing) | 25.01 | | |
| Water Elevation (feet above msl) | 35.01 | | |
| 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) | Not Sampled | | |
| Appearance of Purge Water | | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

| |
|---|
| Well not sampled in accordance with sampling schedule |
| |
| |
| |

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-10

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 22.04 | | |
| Water Elevation (feet above msl) | 30.30 | | |
| 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) | 14.4 | | |
| Actual Volume Purged (gallons) | 15.0 | | |
| Appearance of Purge Water | Initially light brown, clearing at 2 gallons | | |
| Free Product Present? | n/a | Thickness (ft): | - |

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 |
| 7:42 | 1 | 18.16 | 6.54 | 457 | 2.46 | 267.6 | Light Brown |
| | 2 | 18.74 | 6.73 | 468 | 1.57 | 261.6 | Clear |
| | 3 | 18.82 | 6.71 | 473 | 1.59 | 262.0 | Clear |
| | 4 | 18.85 | 6.70 | 475 | 1.56 | 262.1 | Clear |
| | 5 | 18.86 | 6.71 | 476 | 1.50 | 261.9 | Clear |
| | 7 | 18.86 | 6.71 | 476 | 1.45 | 262.0 | Clear |
| | 9 | 18.87 | 6.71 | 477 | 1.38 | 261.9 | Clear |
| | 11 | 18.88 | 6.70 | 476 | 1.33 | 261.7 | Clear |
| | 13 | 18.88 | 6.70 | 477 | 1.26 | 261.9 | Clear |
| | 15 | 18.89 | 6.70 | 477 | 1.20 | 261.7 | Clear |

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

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

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-11

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 21.51 | | |
| Water Elevation (feet above msl) | 32.55 | | |
| 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) | 20.4 | | |
| Actual Volume Purged (gallons) | 21.0 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 11:47 | 1 | 19.27 | 6.93 | 560 | 2.8 | 279.6 | Clear |
| | 2 | 19.25 | 6.79 | 562 | 1.17 | 280.7 | Clear |
| | 3 | 19.25 | 6.76 | 564 | 0.91 | 281.0 | Clear |
| | 4 | 19.26 | 6.73 | 565 | 0.81 | 281.3 | Clear |
| | 5 | 19.27 | 6.72 | 566 | 0.77 | 280.8 | Clear |
| | 6 | 19.28 | 6.73 | 564 | 0.72 | 280.8 | Clear |
| | 10 | 19.29 | 6.70 | 564 | 0.73 | 280.9 | Clear |
| | 14 | 19.29 | 6.70 | 563 | 0.76 | 281.0 | Clear |
| | 18 | 19.29 | 6.69 | 563 | 0.77 | 281.0 | Clear |
| | 21 | 19.29 | 6.68 | 563 | 0.76 | 280.7 | Clear |

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

| |
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| |
|--|

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-6

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 61.78 | | |
| Depth of Well | 48.69 | | |
| Depth to Water (from top of casing) | 30.09 | | |
| Water Elevation (feet above msl) | 31.69 | | |
| 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) | 8.9 | | |
| Actual Volume Purged (gallons) | 9.0 | | |
| Appearance of Purge Water | Clear | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| 8:19 | 1 | 17.98 | 7.04 | 1,106 | 3.04 | 281.7 | Clear |
| | 2 | 18.15 | 7.04 | 1,125 | 1.74 | 279.4 | Clear |
| | 3 | 18.17 | 7.09 | 1,126 | 1.40 | 278.1 | Clear |
| | 4 | 18.23 | 7.11 | 1,125 | 1.20 | 277.6 | Clear |
| | 5 | 18.26 | 7.11 | 1,124 | 1.07 | 277.4 | Clear |
| | 6 | 18.28 | 7.11 | 1,123 | 1.00 | 277.3 | Clear |
| | 7 | 18.29 | 7.12 | 1,123 | 0.95 | 277.2 | Clear |
| | 8 | 18.31 | 7.12 | 1,121 | 0.84 | 277.0 | Clear |
| | 9 | 18.31 | 7.12 | 1,121 | 0.80 | 276.9 | Clear |

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

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

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-7

| | | | |
|------------------|--------------------------------|-------------------|----------|
| Project Name: | Foothill Square | Date of Sampling: | 4/9/2010 |
| Job Number: | 261829 | Name of Sampler: | A. Nieto |
| 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) | 58.64 | | |
| Depth of Well | 38.00 | | |
| Depth to Water (from top of casing) | 17.57 | | |
| Water Elevation (feet above msl) | 41.07 | | |
| 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) | Not sampled | | |
| Appearance of Purge Water | | | |
| Free Product Present? | na | Thickness (ft): | - |

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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

| |
|---|
| Well not sampled in accordance with sampling schedule |
| |
| |
| |

APPENDIX B

**LABORATORY ANALYTICAL REPORT WITH CHAIN OF
CUSTODY DOCUMENTATION**



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

| | | |
|--|---|--------------------------|
| AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597 | Client Project ID: #261829; Foothill Square | Date Sampled: 04/09/10 |
| | | Date Received: 04/09/10 |
| | Client Contact: Jeremy Smith | Date Reported: 04/14/10 |
| | Client P.O.: #WC082341 | Date Completed: 04/14/10 |

WorkOrder: 1004250

April 14, 2010

Dear Jeremy:

Enclosed within are:

- 1) The results of the **8** analyzed samples from your project: **#261829; Foothill Square,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

1004250

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. #WC082341

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 ✓ | | 4/9/10 | 955 | 3 | VOAS | X | | | | | | X | X | | | | | | |
| AMW-4 | | | 1015 | | | X | | | | | | X | X | | | | | | |
| AMW-5 ✓ | | | 1020 | | | X | | | | | | X | X | | | | | | |
| AMW-6 ✓ | | | 1006 | | | X | | | | | | X | X | | | | | | |
| AMW-9 | | | 1050 | | | X | | | | | | X | X | | | | | | |
| MW-6 | | | 1045 | | | X | | | | | | X | X | | | | | | |
| FHS MW-10 | | | 805 | | | X | | | | | | X | X | | | | | | |
| FHS MW-11 | | | 1210 | | | 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 |

AMW-1
 AMW-4
 AMW-5
 AMW-6
 AMW-9
 MW-6
 FHS MW-10
 FHS MW-11

| | | | |
|-------------------------------------|--------------|------------|---------------------------------|
| Relinquished By: <i>[Signature]</i> | Date: 4/9/10 | Time: 4:30 | Received By: <i>[Signature]</i> |
| Relinquished By: | Date: | Time: | Received By: |
| Relinquished By: | Date: | Time: | Received By: |

| | | | | |
|---|--|------------------------------|---------------------------------|--------------------------------|
| ICE/° 5.4 | VOAS <input checked="" type="checkbox"/> | O&G <input type="checkbox"/> | METALS <input type="checkbox"/> | OTHER <input type="checkbox"/> |
| GOOD CONDITION <input checked="" type="checkbox"/> | PRESERVATION APPROPRIATE <input checked="" type="checkbox"/> | | | |
| HEAD SPACE ABSENT <input checked="" type="checkbox"/> | CONTAINERS <input checked="" type="checkbox"/> | | | |
| DECHLORINATED IN LAB <input type="checkbox"/> | PERSERVED IN LAB <input type="checkbox"/> | | | |

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1004250

ClientCode: AEL

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

| | | | | | | |
|-------------------|--------------------------------------|-------------------------------------|-----------------|-------------------------------|-----------------------|-------------------|
| Report to: | Jeremy Smith | Email: jasmith@aeiconsultants.com | Bill to: | Denise Mockel | Requested TAT: | 5 days |
| | AEI Consultants | cc: | | AEI Consultants | Date Received: | 04/09/2010 |
| | 2500 Camino Diablo, Ste. #200 | PO: #WC082341 | | 2500 Camino Diablo, Ste. #200 | Date Printed: | 04/09/2010 |
| | Walnut Creek, CA 94597 | ProjectNo: #261829; Foothill Square | | Walnut Creek, CA 94597 | | |
| | (925) 283-6000 FAX (925) 944-2895 | | | dmockel@aeiconsultants.com | | |

| 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 | |
| 1004250-001 | AMW-1 | Water | 4/9/2010 9:55 | <input type="checkbox"/> | A | A | | | | | | | | | | | |
| 1004250-002 | AMW-4 | Water | 4/9/2010 10:15 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1004250-003 | AMW-5 | Water | 4/9/2010 10:20 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1004250-004 | AMW-6 | Water | 4/9/2010 10:06 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1004250-005 | AMW-9 | Water | 4/9/2010 10:50 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1004250-006 | MW-6 | Water | 4/9/2010 10:45 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1004250-007 | FHS MW-10 | Water | 4/9/2010 8:05 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 1004250-008 | FHS MW-11 | Water | 4/9/2010 12:10 | <input type="checkbox"/> | A | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|-----------|----|-------------|---|--|---|--|----|--|
| 1 | 8010BMS_W | 2 | PREF REPORT | 3 | | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |
| 11 | | 12 | | | | | | | |

Prepared by: Maria Venegas

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.



Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **4/9/2010 4:31:51 PM**

Project Name: **#261829; Foothill Square**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1004250** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
 - Container/Temp Blank temperature Cooler Temp: 5.4°C NA
 - Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
 - Sample labels checked for correct preservation? Yes No
 - Metal - pH acceptable upon receipt (pH<2)? Yes No NA
 - Samples Received on Ice? Yes No
- (Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

Client contacted:

Date contacted:

Contacted by:

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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| | | |
|--|---|-----------------------------------|
| AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597 | Client Project ID: #261829; Foothill Square | Date Sampled: 04/09/10 |
| | Client Contact: Jeremy Smith | Date Received: 04/09/10 |
| | Client P.O.: #WC082341 | Date Extracted: 04/12/10-04/13/10 |
| | | Date Analyzed: 04/12/10-04/13/10 |

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1004250

| Lab ID | 1004250-001A | 1004250-002A | 1004250-003A | 1004250-004A | Reporting Limit for DF =1 | |
|-----------|--------------|--------------|--------------|--------------|---------------------------|---|
| Client ID | AMW-1 | AMW-4 | AMW-5 | AMW-6 | S | W |
| Matrix | W | W | W | W | | |
| DF | 1 | 1 | 2 | 50 | | |

| Compound | Concentration | | | | µg/kg | µg/L |
|------------------------------|---------------|------|--------|--------|-------|------|
| Bromodichloromethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Bromoform | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Bromomethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Carbon Tetrachloride | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Chlorobenzene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Chloroethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Chloroform | ND | 0.69 | ND<1.0 | ND<25 | NA | 0.5 |
| Chloromethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Dibromochloromethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,2-Dibromoethane (EDB) | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,2-Dichlorobenzene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,3-Dichlorobenzene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,4-Dichlorobenzene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Dichlorodifluoromethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,1-Dichloroethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,2-Dichloroethane (1,2-DCA) | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,1-Dichloroethene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| cis-1,2-Dichloroethene | ND | 1.9 | ND<1.0 | 56 | NA | 0.5 |
| trans-1,2-Dichloroethene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,2-Dichloropropane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| cis-1,3-Dichloropropene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| trans-1,3-Dichloropropene | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Freon 113 | ND | ND | ND<20 | ND<500 | NA | 10 |
| Methylene chloride | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,1,1,2,2-Tetrachloroethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Tetrachloroethene | ND | 11 | 35 | 530 | NA | 0.5 |
| 1,1,1-Trichloroethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| 1,1,2-Trichloroethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Trichloroethene | ND | 1.6 | 2.1 | 61 | NA | 0.5 |
| Trichlorofluoromethane | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |
| Vinyl Chloride | ND | ND | ND<1.0 | ND<25 | NA | 0.5 |

Surrogate Recoveries (%)

| | | | | | |
|-------|-----|-----|-----|-----|--|
| %SS1: | 94 | 96 | 97 | 98 | |
| %SS2: | 111 | 109 | 107 | 106 | |
| %SS3: | 79 | 79 | 79 | 74 | |

Comments

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.



| | | |
|--|---|-----------------------------------|
| AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597 | Client Project ID: #261829; Foothill Square | Date Sampled: 04/09/10 |
| | Client Contact: Jeremy Smith | Date Received: 04/09/10 |
| | Client P.O.: #WC082341 | Date Extracted: 04/12/10-04/13/10 |
| | | Date Analyzed: 04/12/10-04/13/10 |

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1004250

| | | | | | | |
|-----------|--------------|--------------|--------------|--------------|---------------------------|---|
| Lab ID | 1004250-005A | 1004250-006A | 1004250-007A | 1004250-008A | Reporting Limit for DF =1 | |
| Client ID | AMW-9 | MW-6 | FHS MW-10 | FHS MW-11 | | |
| Matrix | W | W | W | W | S | W |
| DF | 10 | 10 | 1 | 2 | | |

| Compound | Concentration | | | | µg/kg | µg/L |
|------------------------------|---------------|--------|----|--------|-------|------|
| Bromodichloromethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Bromoform | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Bromomethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Carbon Tetrachloride | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Chlorobenzene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Chloroethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Chloroform | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Chloromethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Dibromochloromethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,2-Dibromoethane (EDB) | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,2-Dichlorobenzene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,3-Dichlorobenzene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,4-Dichlorobenzene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Dichlorodifluoromethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,1-Dichloroethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,2-Dichloroethane (1,2-DCA) | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,1-Dichloroethene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| cis-1,2-Dichloroethene | ND<5.0 | 5.5 | ND | ND<1.0 | NA | 0.5 |
| trans-1,2-Dichloroethene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,2-Dichloropropane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| cis-1,3-Dichloropropene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| trans-1,3-Dichloropropene | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Freon 113 | ND<100 | ND<100 | ND | ND<20 | NA | 10 |
| Methylene chloride | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Tetrachloroethene | 160 | 160 | ND | 32 | NA | 0.5 |
| 1,1,1-Trichloroethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| 1,1,2-Trichloroethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Trichloroethene | ND<5.0 | 10 | ND | ND<1.0 | NA | 0.5 |
| Trichlorofluoromethane | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |
| Vinyl Chloride | ND<5.0 | ND<5.0 | ND | ND<1.0 | NA | 0.5 |

Surrogate Recoveries (%)

| | | | | |
|-------|----|------|-----|----|
| %SS1: | 90 | 94 | 98 | 94 |
| %SS2: | 99 | 98 | 108 | 98 |
| %SS3: | 71 | ---# | 76 | 80 |

Comments

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 49818

WorkOrder 1004250

| Analyte | Extraction SW5030B | | | Spiked Sample ID: 1004160-001G | | | | | | | | |
|------------------------------|--------------------|----------------|--------------|--------------------------------|-----------------|---------------|----------------|-------------------|-------------------------|----|----------|----|
| | Sample µg/L | Spiked µg/L | MS % Rec. | MSD % Rec. | MS-MSD % RPD | LCS % Rec. | LCSD % Rec. | LCS-LCSD % RPD | Acceptance Criteria (%) | | | |
| Chlorobenzene | ND | 10 | 116 | 119 | 2.56 | 112 | 119 | 5.69 | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dibromoethane (EDB) | ND | 10 | 116 | 118 | 2.13 | 106 | 116 | 9.21 | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dichloroethane (1,2-DCA) | ND | 10 | 94.1 | 96.2 | 2.25 | 91.4 | 96.7 | 5.59 | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 10 | 93.6 | 96.5 | 3.07 | 92.2 | 95.4 | 3.44 | 70 - 130 | 30 | 70 - 130 | 30 |
| Trichloroethene | ND | 10 | 106 | 108 | 1.42 | 100 | 107 | 6.62 | 70 - 130 | 30 | 70 - 130 | 30 |
| %SS1: | 101 | 25 | 92 | 93 | 0.546 | 92 | 92 | 0 | 70 - 130 | 30 | 70 - 130 | 30 |
| %SS2: | 113 | 25 | 109 | 109 | 0 | 107 | 108 | 1.71 | 70 - 130 | 30 | 70 - 130 | 30 |
| %SS3: | 111 | 2.5 | 108 | 108 | 0 | 108 | 106 | 2.50 | 70 - 130 | 30 | 70 - 130 | 30 |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 49818 SUMMARY

| Lab ID | Date Sampled | Date Extracted | Date Analyzed | Lab ID | Date Sampled | Date Extracted | Date Analyzed |
|--------------|-------------------|----------------|------------------|--------------|------------------|----------------|------------------|
| 1004250-006A | 04/09/10 10:45 AM | 04/13/10 | 04/13/10 3:08 PM | 1004250-007A | 04/09/10 8:05 AM | 04/13/10 | 04/13/10 1:02 AM |
| 1004250-008A | 04/09/10 12:10 PM | 04/13/10 | 04/13/10 3:50 PM | | | | |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 49859

WorkOrder 1004250

| Analyte | Extraction SW5030B | | | Spiked Sample ID: 1004217-006B | | | | | | | | |
|------------------------------|--------------------|----------------|--------------|--------------------------------|-----------------|---------------|----------------|-------------------|-------------------------|----|----------|----|
| | Sample µg/L | Spiked µg/L | MS % Rec. | MSD % Rec. | MS-MSD % RPD | LCS % Rec. | LCSD % Rec. | LCS-LCSD % RPD | Acceptance Criteria (%) | | | |
| Chlorobenzene | ND | 10 | 107 | 107 | 0 | 108 | 107 | 0.913 | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dibromoethane (EDB) | ND | 10 | 101 | 96.7 | 4.06 | 103 | 101 | 2.12 | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dichloroethane (1,2-DCA) | ND | 10 | 103 | 101 | 2.08 | 89.9 | 87.1 | 3.22 | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 10 | 106 | 103 | 2.40 | 91.7 | 89.2 | 2.75 | 70 - 130 | 30 | 70 - 130 | 30 |
| Trichloroethene | ND | 10 | 106 | 104 | 1.69 | 97.4 | 93.7 | 3.83 | 70 - 130 | 30 | 70 - 130 | 30 |
| %SS1: | 101 | 25 | 97 | 97 | 0 | 93 | 91 | 2.25 | 70 - 130 | 30 | 70 - 130 | 30 |
| %SS2: | 113 | 25 | 113 | 111 | 1.69 | 107 | 107 | 0 | 70 - 130 | 30 | 70 - 130 | 30 |
| %SS3: | 110 | 2.5 | 78 | 79 | 1.45 | 108 | 108 | 0 | 70 - 130 | 30 | 70 - 130 | 30 |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 49859 SUMMARY

| Lab ID | Date Sampled | Date Extracted | Date Analyzed | Lab ID | Date Sampled | Date Extracted | Date Analyzed |
|--------------|-------------------|----------------|------------------|--------------|-------------------|----------------|------------------|
| 1004250-001A | 04/09/10 9:55 AM | 04/12/10 | 04/12/10 2:19 PM | 1004250-002A | 04/09/10 10:15 AM | 04/12/10 | 04/12/10 3:01 PM |
| 1004250-003A | 04/09/10 10:20 AM | 04/12/10 | 04/12/10 8:48 PM | 1004250-004A | 04/09/10 10:06 AM | 04/12/10 | 04/12/10 9:30 PM |
| 1004250-005A | 04/09/10 10:50 AM | 04/13/10 | 04/13/10 2:25 PM | | | | |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.