December 13, 2016

Ms. Kit Soo
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: **Perjury Statement and Report Transmittal**
Groundwater Monitoring Report – 2nd Semester 2016
10700 MacArthur Blvd.
Oakland, California
AEI Project # 365948
Toxics Case No. RO0002580

Dear Ms. 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 the undersigned at (310) 270-8339, or Mr. Peter McIntyre at AEI Consultants, (925) 746-6004.

Sincerely,

WAC Enterprises FHS, LLC
8245 W. 4th Street,
Los Angeles, CA 90048

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

December 13, 2016

GROUNDWATER MONITORING REPORT- 2ND SEMESTER 2016

Property Identification:
10700 MacArthur Boulevard
Oakland, California 94605

AEI Project No. 365948
Toxics Case No. RO0002580

Prepared for:
WAC Enterprise FHS, LLC
Attn: Mr. David Kasirer
8245 W. 4th Street
Los Angeles, CA 90048

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

AEI Consultants
Environmental & Engineering Services
2500 Camino Diablo, Walnut Creek, CA 94597
Tel: 925.746.6000 Fax: 925.746.6099

December 13, 2016

WAC Enterprise FHS, LLC
Attn: Mr. David Kasirer
8245 W. 4th Street
Los Angeles, CA 90048

Subject: **Groundwater Monitoring Report – 2nd Semester, 2016**
10700 MacArthur Boulevard
Oakland, California 94605
AEI Project No. 261829
Toxics Case No. RO0002580

Dear Mr. Kasirer:

AEI Consultants (AEI) has prepared this groundwater monitoring report on behalf of WAC Enterprises FHS, LLC, owner 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 October 19, 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 nine buildings, totaling approximately 192,000 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 October 19, 2016, AEI gauged the groundwater levels in each of the accessible active groundwater monitoring wells at the site, which includes wells AMW-1, AMW-6R, AMW-8, AMW-9, and FHS MW-10. Although a "no parking sign" was posted on October 18, 2016, groundwater monitoring well FHS MW-11 was not accessible due to a parked car over the well during the entire duration of the sampling event. Following the collection of depth to groundwater measurements, AEI lowered a surge block into wells AMW-8 and AMW-9 to gather information on the screen interval for each of these wells. Based on the field observation, well AMW-8 is screened from approximately 31 to 45 feet below ground surface (bgs) and AMW-9 is screened from approximately 43.5 feet bgs to 55 feet bgs as indicated on Table 1.

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. Following gauging activities, groundwater samples were collected from wells AMW-1, AMW-6R, AMW-8, AMW-9, and FHS MW-10 in accordance with the approved sampling schedule. 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, a groundwater sample was collected. Groundwater samples were collected from each well using disposable bailers.

Upon collection, groundwater samples were transferred into three 40-milliter 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 based on a prior characterization of the wells and site hydrogeology, the wells at the site had been 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 13 and 34 feet 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 64 feet bgs. Well screen intervals are presented in Table 1.

Since the last monitoring event, groundwater elevations in the shallow water-bearing zone decreased in well AMW-1 by 2.05 feet, and increased by 0.20 feet in AMW-6R. Groundwater elevations in the deeper water-bearing zone generally decreased between approximately 1 and 5

feet. The groundwater elevation in shallow zone Well AMW-1 was measured at 39.45 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 23.95 to 44.46 feet msl. Groundwater flow in the deeper zone is to the west-southwest at a gradient of approximately 0.026 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), and cis-1,2 dichloroethene (cis-1,2 DCE) were detected in groundwater in shallow well AMW-6R at concentrations of 680 micrograms per liter (μg/L), 120 μg/L, and 110 μg/L respectively. These concentrations are a decrease from the prior event. No other HVOCs were detected in AMW-6R and no HVOCs were detected in AMW-1 at or above the laboratory detection limits. PCE was detected in deeper zone wells AMW-8 and AMW-9 at concentrations of 3.4 μg/L and 100 μg/L, respectively; however, PCE was not detected in well FHS MW-10. 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. As requested by ACHCSA, time series plots of water depth and PCE concentrations are presented on Figures 6 through 8 for select wells. 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 October 2016. The tested wells exhibit a decrease in HVOCs since the prior monitoring event. The groundwater monitoring well network is scheduled to be sampled by AEI in accordance with the ACHCSA-approved semi-annual sampling schedule. The next groundwater monitoring event is scheduled for April 2017.

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

REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp. 5/31/18
No. 7702
STATE OF CALIFORNIA

Figures

Figure 1: Site Location Map
Figure 2: Extended Site Plan
Figure 3: Site Plan
Figure 4: Groundwater Elevation Map – Deep Wells (10/19/16)
Figure 5: Groundwater Analytical Data (10/19/16)
Figure 6: PCE Concentration vs Time (AMW-6/6R)
Figure 7: PCE Concentration vs Time (AMW-9)
Figure 8: PCE Concentration vs Time (FHS-11)

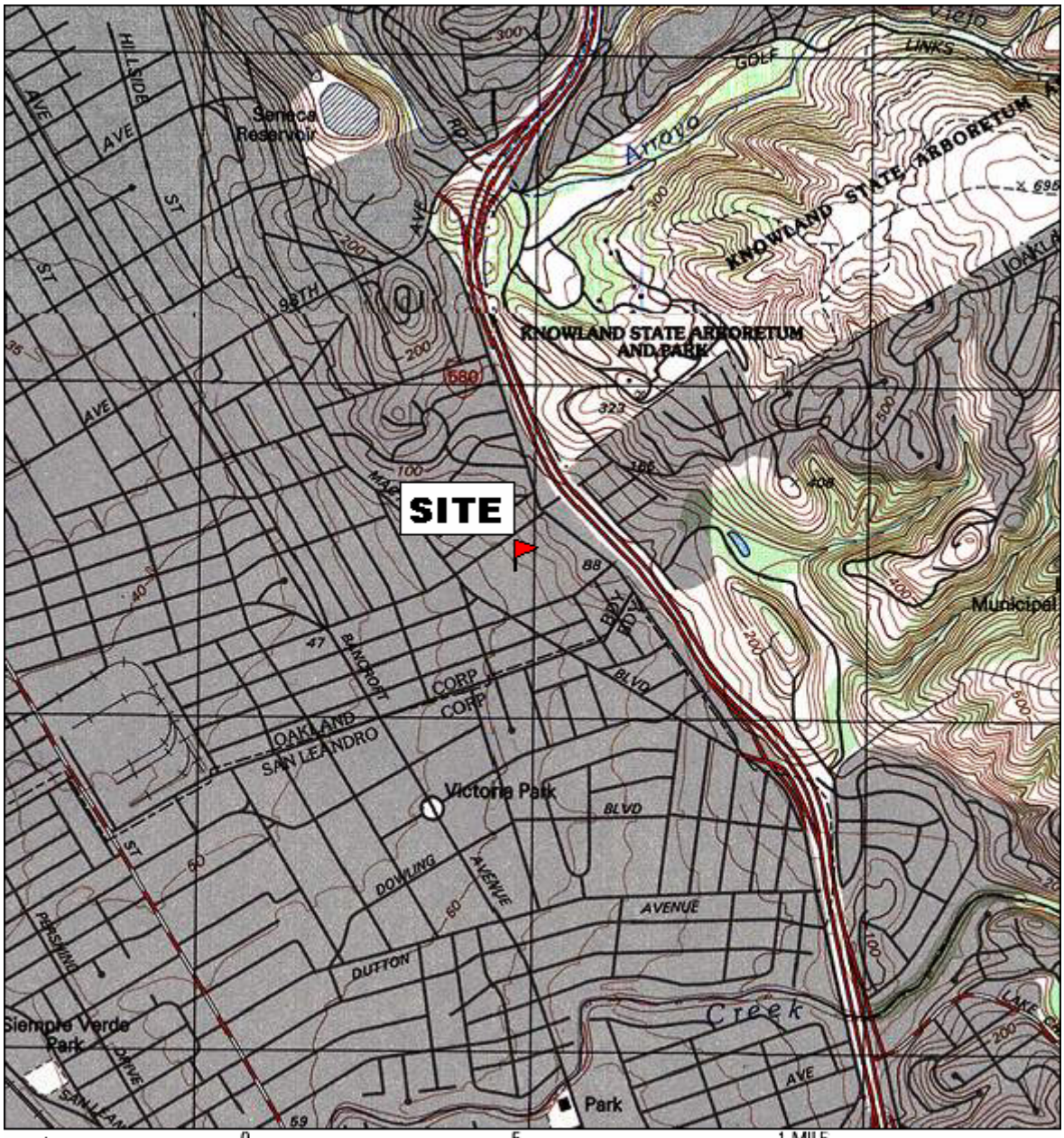
Tables

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

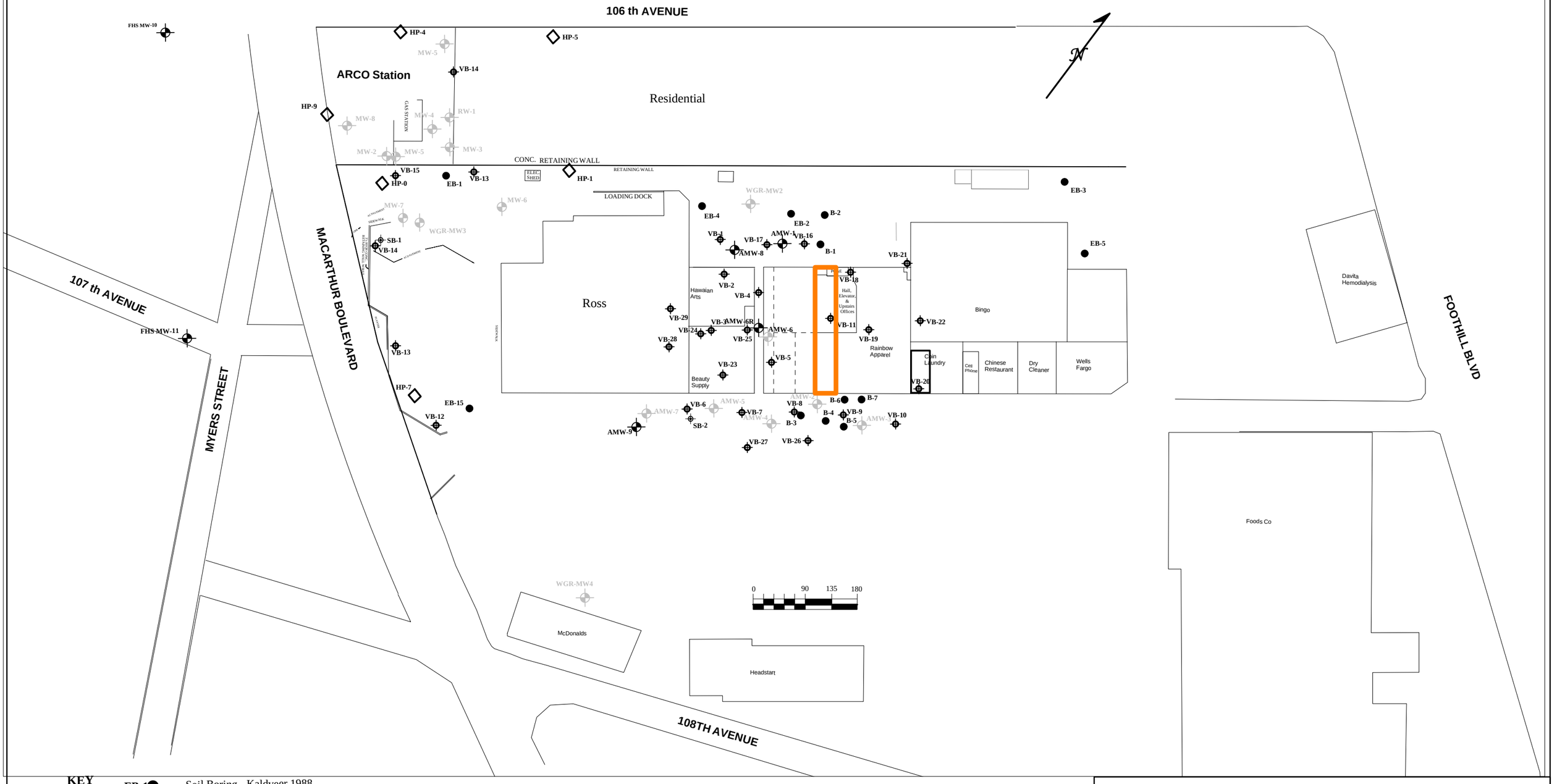
Appendix A: Groundwater Monitoring Well Field Sampling Forms
Appendix B: Laboratory Analyses with Chain of Custody Documentation

Cc list:
Kit Soo, Alameda County Health Care Services Agency (electronic copy)
Jay-Phares Corporation, (electronic copy)
Geotracker electronic upload

FIGURES



AEI CONSULTANTS 2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597	
SITE LOCATION MAP	
10700 MACARTHUR BLVD OAKLAND, CALIFORNIA	**FIGURE 1** PROJECT NO. 365948



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 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. 365948

106 th AVENUE

ARCO Station

Residential

Ross

Hawaian Arts

Former Young's Dry Cleaners

Hall, Elevator, & Upstairs Offices

Bingo

Rainbow Apparel

Coin Laundry

Cell Phone

Chinese Restaurant

Dry Cleaner

Wells Fargo

Beauty Supply

MACARTHUR BOULEVARD

MYERS STREET

CONC. RETAINING WALL

RETAINING WALL

LOADING DOCK

ELEC. SHED

GAS STATION

SIDEWALK

AC PAVEMENT

Utility Trench 4-5' deep

Utility Trench 5-7' deep

HP-0 HP-1 HP-4 HP-5 HP-7 HP-9

EB-1 EB-2 EB-3 EB-4 EB-5 EB-15

SB-1 SB-2

VB-1 VB-2 VB-3 VB-4 VB-5 VB-6 VB-7 VB-8 VB-9 VB-10 VB-11 VB-12 VB-13 VB-14 VB-15 VB-16 VB-17 VB-18 VB-19 VB-20 VB-21 VB-22 VB-23 VB-24 VB-25 VB-26 VB-27 VB-28 VB-29

B-1 B-2 B-3 B-4 B-5 B-6 B-7

MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8

RW-1

AMW-1 AMW-2 AMW-3 AMW-4 AMW-5 AMW-6 AMW-6R AMW-7 AMW-8 AMW-9

WGR-MW2 WGR-MW3

0 60 90 120

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

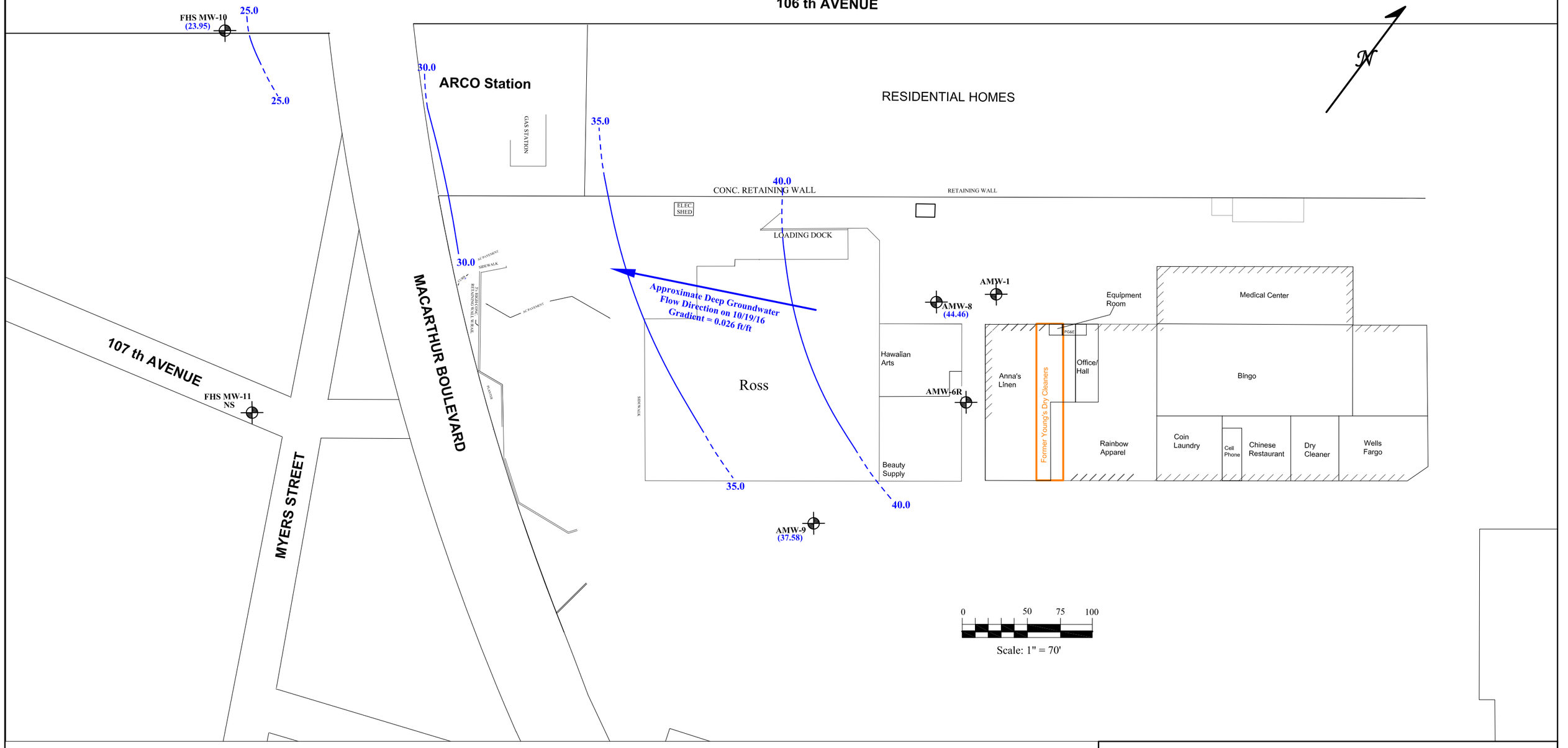
AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

SITE PLAN

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 3
PROJECT NO. 365948



LEGEND

AMW-9 — Groundwater Monitoring Well

(37.58) = Groundwater Elevation (msl)

Groundwater Elevation Contour (feet, msl)

(25.55) Groundwater Elevation (NAVD88)

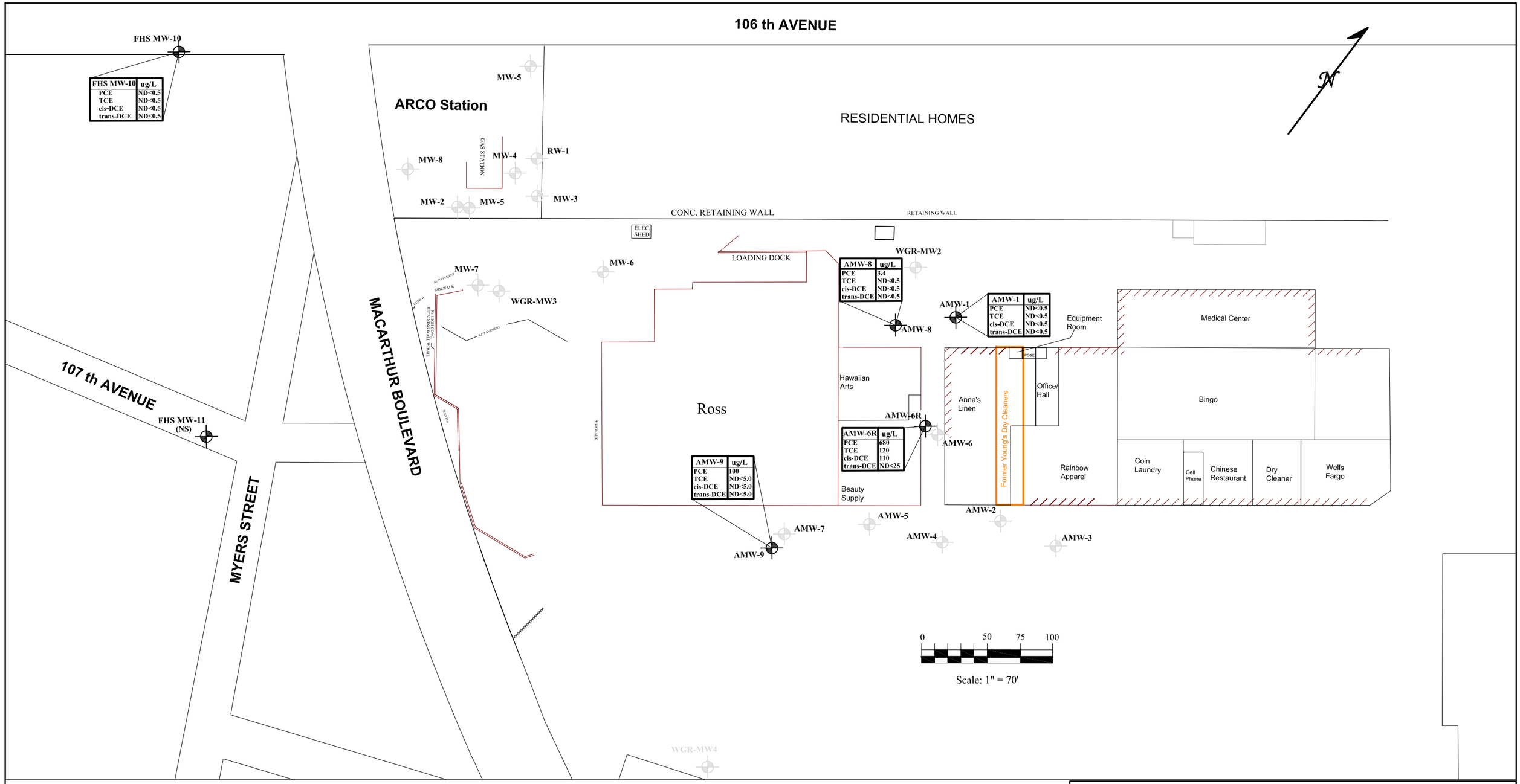
AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

Groundwater Elevation Map - Deep Wells (10/19/16)

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 4
PROJECT NO. 365948



KEY

Abandoned Monitoring Well

Groundwater Monitoring Well

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

AEI CONSULTANTS

2500 CAMINO DIABLO, WALNUT CREEK, CA

Groundwater Analytical Data (10/19/16)

10700 MACARTHUR BLVD.
OAKLAND, CALIFORNIA

FIGURE 5
PROJECT NO. 365948

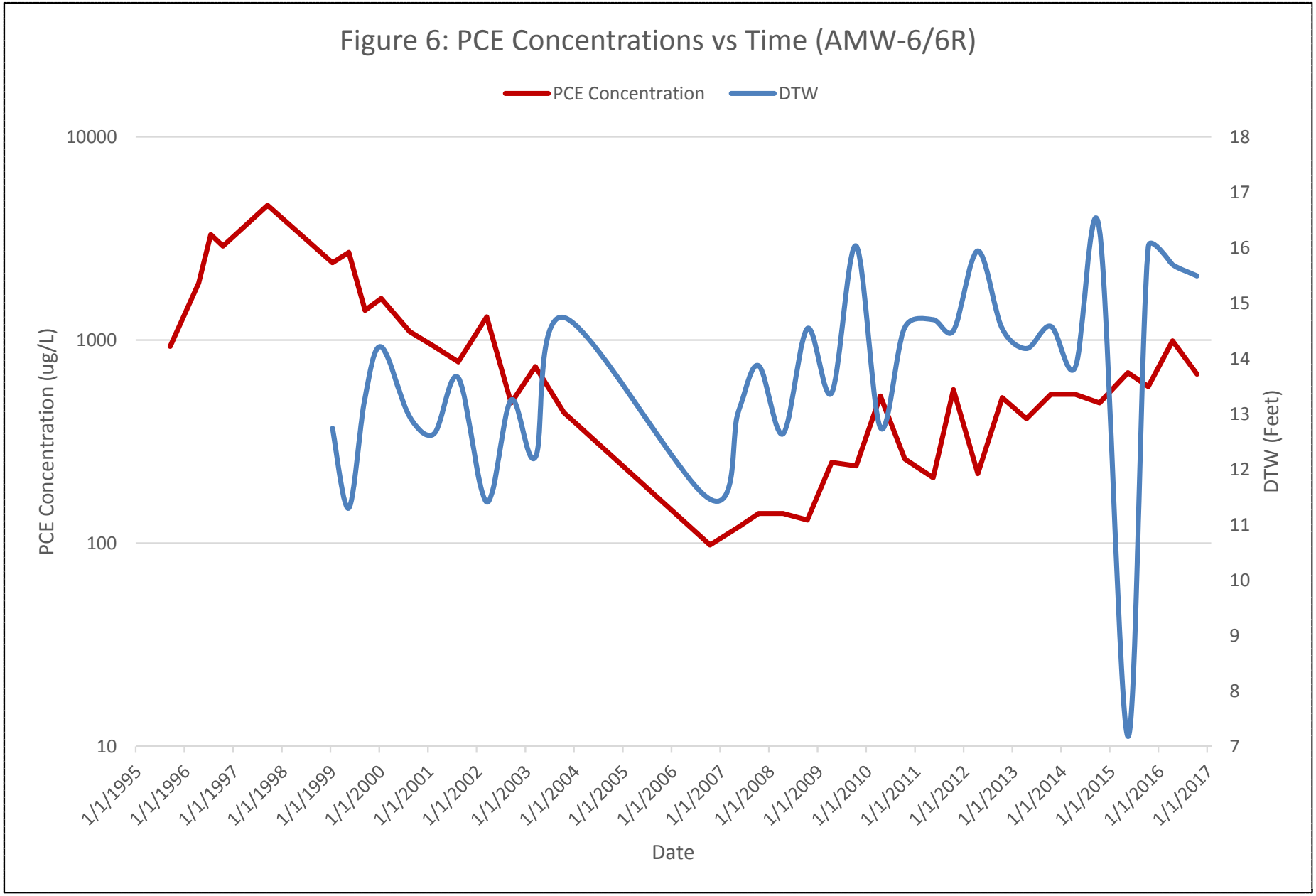


Figure 6: PCE Concentrations vs Time (AMW-6/6R)
PCE Concentration
DTW
10000
1000
100
10
PCE Concentration (ug/L)
18
17
16
15
14
13
12
11
10
9
8
7
DTW (Feet)
1/1/1995
1/1/1996
1/1/1997
1/1/1998
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
Date

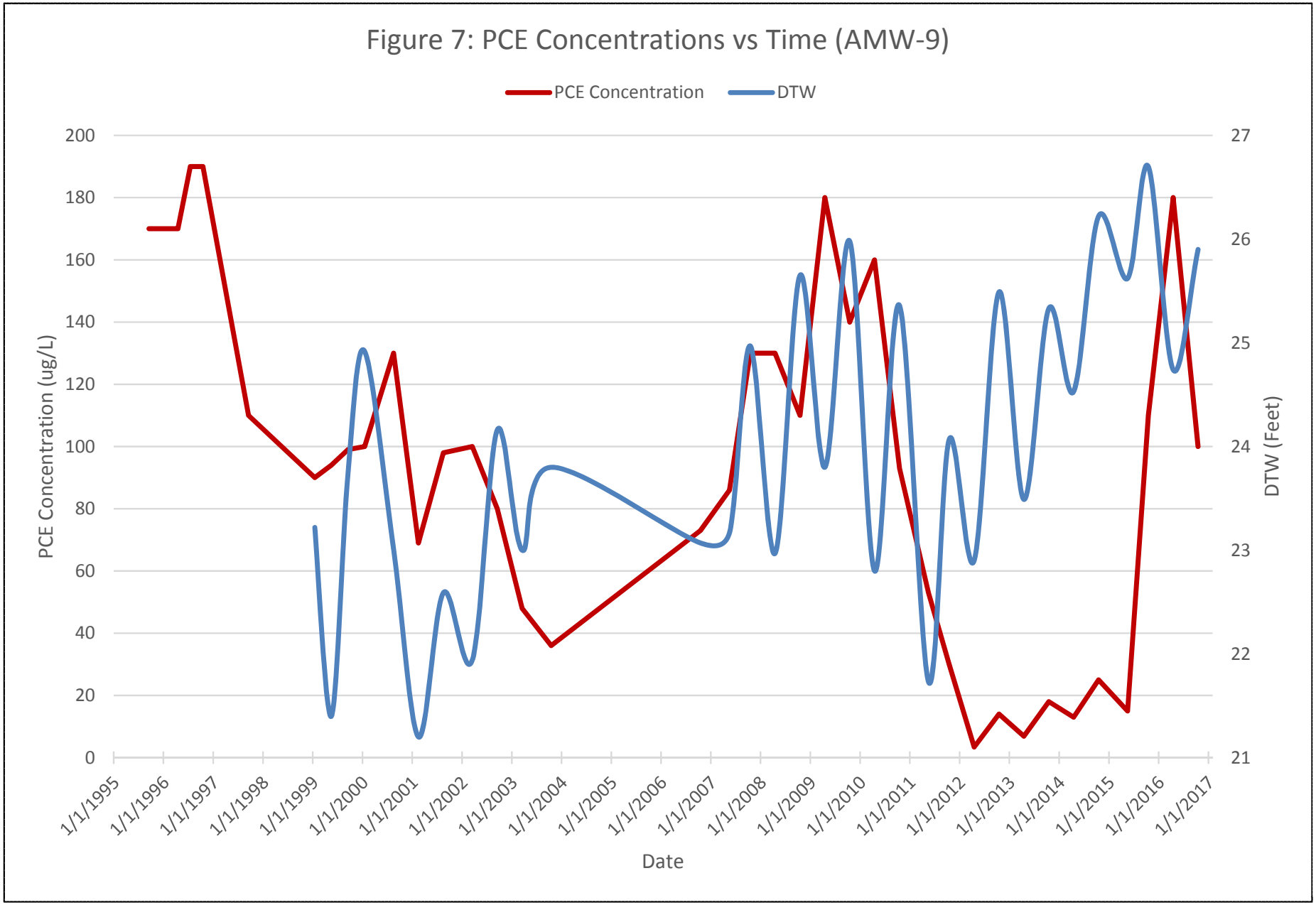


Figure 7: PCE Concentrations vs Time (AMW-9)
PCE Concentration
DTW
PCE Concentration (ug/L)
DTW (Feet)
Date
0
20
40
60
80
100
120
140
160
180
200
21
22
23
24
25
26
27
1/1/1995
1/1/1996
1/1/1997
1/1/1998
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017

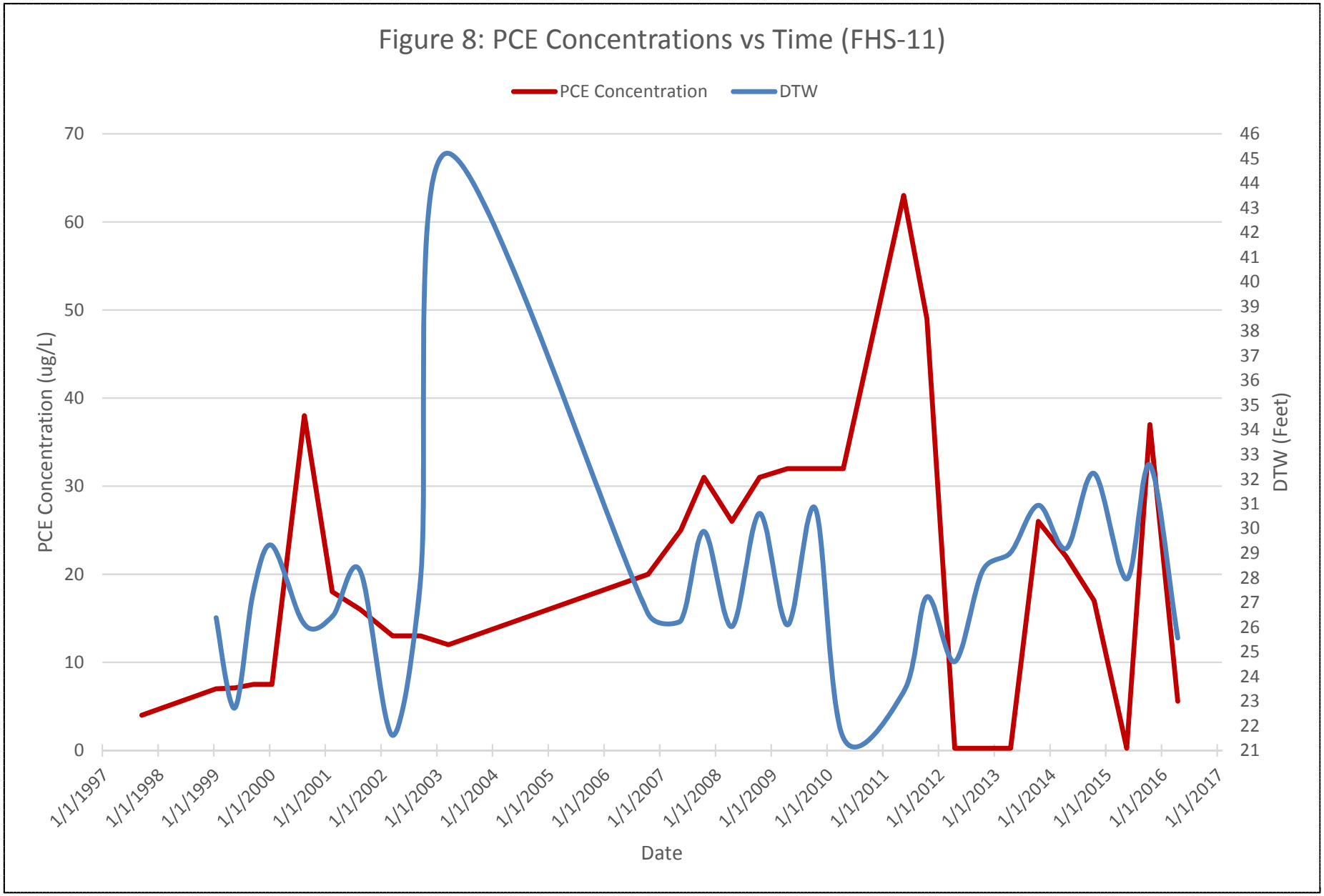


Figure 8: PCE Concentrations vs Time (FHS-11)
PCE Concentration
DTW
PCE Concentration (ug/L)
DTW (Feet)
Date
0
10
20
30
40
50
60
70
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
1/1/1997
1/1/1998
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017

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	1/29/1999	24-34	64.51	23.01	41.50
(Shallow)	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
	10/19/2016		**64.51**	**25.06**	**39.45**
AMW-4	1/29/1999	15-25	64.79	11.51	53.28
(Shallow)	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	1/29/1999	20-30	64.97	13.87	51.10
(Shallow)	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	1/29/1999	? - 25	65.10	12.74	52.36
(Shallow)	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	5/27/2011	13-23	NA	14.70	NA
(Shallow)	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
	10/19/2016		**NA**	**15.49**	**NA**
AMW-7	1/29/1999	Unknown	64.24	14.91	49.33
(Shallow)	5/5/1999		Well Covered 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-8	1/29/1999	31 - 45	64.55	16.86	47.69
(Deep)	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
	10/19/2016		**64.55**	**20.09**	**44.46**
AMW-9	1/29/1999	43.5 - 55	63.48	23.22	40.26
(Deep)	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
	10/19/2016		**63.48**	**25.90**	**37.58**

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	1/29/1999	23-28	63.18	23.41	39.77
(Shallow)	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
	10/14/2014		Destroyed/ Covered with Black Top		
WGR MW-3	1/29/1999	22-27	58.34	15.81	42.53
(Shallow)	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	1/29/1999	23-45	60.02	26.23	33.79
(Deep)	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	1/29/1999	42-52	52.34	23.91	28.43
(Deep)	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
	10/19/2016		**52.34**	**28.39**	**23.95**

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	1/29/1999	59-64	54.06	26.38	27.68
(Deep)	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
	10/19/2016			Well Inaccessible	
MW-6	1/29/1999	37.5-56	61.78	32.87	28.91
(Deep)	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	1/20/2000	17.5-37.5	58.64	20.32	38.32
(Shallow)	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 then other wells.
NA = not available

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

Well (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
AMW-1	3/23/95	-	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
(shallow)	6/21/95	-	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/11/95	-	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	4/16/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	7/17/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/23/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/29/97	-	NS	NS	NS	NS	NS
	1/20/00	24.66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/8/00	23.30	NS	NS	NS	NS	NS
	2/15/01	23.22	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	24.38	NS	NS	NS	NS	NS
	3/12/02	21.29	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	23.62	NS	NS	NS	NS	NS
	3/25/03	22.45	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5
	10/2/03	24.31	NS	NS	NS	NS	NS
	10/17/06	22.91	ND<0.5	ND<0.5	2.2	ND<0.5	ND<RL
	5/2/07	18.61	ND<0.5	ND<0.5	ND<0.5	0.69	ND<RL
	10/17/07	23.97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/1/08	22.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/2/08	24.21	ND<0.5	ND<0.5	0.60	ND<0.5	ND<RL
	4/2/09	22.49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/2/09	24.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/9/10	21.68	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/25/10	24.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	5/27/11	20.98	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/19/11	23.41	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/30/12	22.19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/29/12	24.31	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/26/13	22.39	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/11/13	24.37	ND<0.5	ND<0.5	0.62	ND<0.5	ND<RL
	04/16/14	23.01	ND<0.5	ND<0.5	0.68	ND<0.5	ND<RL
	10/14/14	24.73	ND<0.5	ND<0.5	0.69	ND<0.5	ND<RL
	05/07/15	24.01	ND<0.5	ND<0.5	0.50	ND<0.5	ND<RL
	10/26/15	25.29	ND<0.5	ND<0.5	2.2	ND<0.5	ND<RL
	04/22/16	23.01	ND<0.5	ND<0.5	1.4	ND<0.5	ND<RL
	10/19/16	**25.06**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<RL**[12]
AMW-4	5/15/95	-	NR	ND<50	2400	ND<50	NR
(shallow)	6/21/95	-	NR	ND<50	2500	ND<50	NR
	9/13/95	-	NR	ND<25	1100	ND<25	NR
	4/16/96	-	ND<10	ND<10	1200	10	NR
	7/17/96	-	ND<10	ND<10	860	ND<10	NR
	10/23/96	-	ND<0.5	ND<0.5	22	0.5	NR
	9/29/97	-	ND<3	ND<3	340	3	NR
	1/29/99	11.51	ND<3	ND<3	100	ND<3	ND<3
	5/5/99	10.14	ND<5	ND<5	210	ND<5	ND<5
	9/10/99	12.04	10	ND<5	240	18	ND<5
	1/20/00	13.50	46	ND<2.5	97	6.2	ND<2.5
	8/8/00	11.74	ND<5	ND<5	440	8	ND<5
	2/15/01	12.32	ND<2.5	ND<2.5	81	2.6	ND<2.5
	8/29/01	12.40	ND<2.5	ND<2.5	230	4.6	ND<2.5
	3/12/02	10.13	ND<5.0	ND<5.0	190	ND<5.0	ND<5.0
	9/27/02	12.14	ND<5.0	ND<5.0	220	ND<5.0	10***
	3/25/03	11.03	1.2	ND<1.0	22	1.9	ND<1.0
	10/2/03	12.33	2.8	ND<0.5	50	2.8	ND<0.5
	10/17/06	12.76	9.9	ND<0.5	6.5	ND<0.5	ND<RL
	5/3/07	11.11	2.7	ND<0.5	5.1	1.2	ND<RL**
	10/17/07	12.64	4.0	ND<0.5	6.2	ND<0.5	ND<RL
	4/1/08	11.49	3.3	ND<0.5	5.8	2.6	0.85**
	10/2/08	13.34	11.0	ND<1.0	34	2.9	ND<RL [3]
	4/2/09	12.21	2.8	ND<0.5	8.0	0.76	ND<RL [4]
	10/2/09	13.91	11	ND<0.5	4.3	0.89	ND<RL [5]
	4/9/10	11.23	1.9	ND<0.5	11	1.6	ND<RL [7]
	10/22/10	12.85	ND<0.5	ND<0.5	0.76	0.53	ND<RL
	5/27/11	10.25	ND<0.5	ND<0.5	1.9	0.75	ND<RL
	10/19/11	12.42	6.0	ND<0.5	1.2	0.68	ND<RL
	4/30/12	11.49	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 (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
AMW-5	5/15/95	-	NR	ND<0.5	1.2	ND<0.5	NR
(shallow)	6/21/95	-	NR	ND<0.5	ND<0.5	ND<0.5	NR
	9/13/95	-	NR	ND<0.5	ND<0.5	ND<0.5	NR
	4/16/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NR
	7/17/96	-	ND<0.5	ND<0.5	0.6	ND<0.5	NR
	10/23/96	-	ND<0.5	ND<0.5	0.8	ND<0.5	NR
	9/29/97	-	ND<0.5	ND<0.5	13	ND<0.5	NR
	1/29/99	13.87	NA	NA	NA	NA	NA
	5/5/99	12.83	ND<1	ND<1	36	ND<1	ND<1
	9/10/99	14.25	ND<1	ND<1	35	ND<1	ND<1
	1/20/00	14.91	ND<1	ND<1	36	ND<1	ND<1
	8/8/00	14.14	ND<0.5	ND<0.5	50	0.72	ND<0.5
	2/15/01	14.32	ND<0.5	ND<0.5	26	0.76	ND<0.5
	8/29/01	14.72	ND<0.5	ND<0.5	28	0.87	ND<0.5
	3/12/02	13.12	ND<0.5	ND<0.5	25	0.75	ND<0.5
	9/27/02	14.62	ND<0.5	ND<0.5	17	ND<0.5	ND<0.5
	3/25/03	13.45	ND<1.0	ND<1.0	23	ND<1.0	ND<1.0
	10/2/03	14.74	ND<0.5	ND<0.5	20	0.58	ND<0.5
	10/17/06	14.15	0.68	ND<0.5	22	0.88	ND<RL
	5/3/07	13.92	0.91	ND<0.5	42	2.0	ND<RL
	10/17/07	15.06	1.2	ND<0.5	42	2.0	ND<RL
	4/1/08	14.14	1.7	ND<0.5	50	2.8	ND<RL
	10/2/08	15.72	1.5	ND<1.0	46	2.3	ND<RL
	4/2/09	14.62	ND<1.7	ND<1.7	56	2.9	ND<RL
	10/2/09	16.18	0.87	ND<0.5	31	1.4	ND<RL
	4/9/10	13.98	ND<1.0	ND<1.0	35	2.1	ND<RL
	10/22/10	15.78	0.93	ND<1.0	29	2.0	ND<RL
	5/27/11	13.65	0.76	ND<0.5	23	1.9	ND<RL
	10/19/11	14.68	ND<0.5	ND<0.5	20	1.5	ND<RL
	4/30/12	14.87	0.59	ND<0.5	8.1	1.2	ND<RL
	10/29/12	Well Destroyed During Construction					
AMW-6	9/13/95	-	NR	ND<25	930	ND<25	NR
(shallow)	4/16/96	-	20	ND<10	1900	110	NR
	7/17/96	-	ND<30	ND<30	3300	280	NR
	10/23/96	-	ND<30	ND<30	2900	140	NR
	9/29/97	-	220	70	4600	580	NR
	1/29/99	12.74	270	77	2400	390	ND<63
	5/5/99	11.30	370	110	2700	470	ND<71
	9/10/99	13.29	190	49	1400	250	ND<36
	1/20/00	14.21	210	ND<35	1600	270	ND<35
	8/8/00	12.95	150	56	1100	180	ND<25
	2/15/01	12.64	190	40	930	200	ND<25
	8/29/01	13.65	77	17	780	110	ND<10
	3/12/02	11.41	150	37	1300	170	ND<25
	9/27/02	13.25	67	ND<17	490	91	ND<17
	3/25/2003	12.22	94	ND<33	740	110	ND<33
	10/2/2003	14.74	66	13	440	60	ND<10
	10/17/2006	11.46	32	4.9	98	14	ND<RL
	5/3/2007	13.04	32	ND<5.0	120	22	ND<RL
	10/17/2007	13.87	48	8.4	140	27	ND<RL [2]
	4/1/2008	12.64	39	6.2	140	24	ND<RL
	10/2/2008	14.54	43	7.1	130	26	ND<RL
	4/2/2009	13.38	50	8.1	250	37	ND<RL
	10/2/2009	16.03	55	11	240	44	ND<RL [6]
	4/9/2010	12.75	56	ND<25	530	61	ND<RL
	10/22/2010	14.56	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 (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
AMW-6R	5/27/2011	14.70	54	7.5	210	45	ND<RL
(shallow)	10/19/2011	14.50	86	ND<12	570	86	ND<RL
	4/30/2012	15.94	74	8.6	220	65	ND<RL
	10/29/12	14.54	93	14	520	92	ND<RL
	04/26/13	14.18	92	<25	410	98	ND<RL
	10/11/13	14.58	100	15	540	110	ND<RL
	04/16/14	13.84	110	ND<12	540	110	ND<RL
	10/14/14	16.31	120	ND<25	490	110	ND<RL
	05/07/15	7.18	120	ND<25	690	140	ND<RL
	10/26/15	16.01	110	ND<17	590	130	ND<RL
	04/22/16	15.69	140	18	990	170	ND<RL
	10/19/16	**15.49**	**110**	**ND<25**	**680**	**120**	**ND<RL[13]**
AMW-7	9/13/95	-	NR	ND<25	2350	340	NR
(shallow)	4/16/96	-	2200	60	2300	500	NR
	7/17/96	-	2100	ND<30	2400	530	NR
	10/23/96	-	3100	50	3400	610	NR
	9/29/97	-	33	20	520	100	NR
	1/29/99	14.91	22	ND<3	95	12	ND<3
	5/5/99	-	Well Covered During Construction				
AMW-8	9/13/95	-	-	ND<25	95	ND<25	ND<25
(deep)	4/16/96	-	ND<0.5	ND<0.5	0.8	ND<0.5	ND<0.5
	7/17/96	-	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5
	10/23/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/29/97	-	ND<0.5	ND<0.5	0.7	ND<0.5	ND<0.5
	1/20/00	18.51	ND<0.5	ND<0.5	0.73	ND<0.5	ND<0.5
	8/8/00	16.71	NS	NS	NS	NS	NS
	2/15/01	17.31	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5
	8/29/01	18.30	NS	NS	NS	NS	NS
	3/12/02	16.03	ND<0.5	ND<0.5	7.5	ND<0.5	ND<0.5
	9/27/02	18.03	NS	NS	NS	NS	NS
	3/25/03	17.31	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/2/03	21.54	NS	NS	NS	NS	NS
	10/17/06	16.05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	5/3/07	23.01	NS	NS	NS	NS	NS
	10/17/07	18.34	ND<0.5	ND<0.5	1.6	ND<0.5	ND<RL
	4/1/08	17.49	NS	NS	NS	NS	NS
	10/2/08	19.10	ND<0.5	ND<0.5	1.3	ND<0.5	ND<RL
	4/2/09	18.18	NS	NS	NS	NS	NS
	10/2/09	19.75	ND<0.5	ND<0.5	1.4	ND<0.5	ND<RL
	4/9/10	17.76	NS	NS	NS	NS	NS
	10/25/10	19.41	ND<0.5	ND<0.5	2.2	ND<0.5	ND<RL
	5/27/11	15.92	NS	NS	NS	NS	NS
	10/19/11	17.15	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/30/12	17.16	NS	NS	NS	NS	NS
	10/29/12	18.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/26/13	17.61	NS	NS	NS	NS	NS
	10/11/13	19.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/16/14	18.02	NS	NS	NS	NS	NS
	10/14/14	20.98	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	05/07/15	27.57	NS	NS	NS	NS	NS
	10/26/15	21.00	ND<0.5	ND<0.5	3.1	ND<0.5	ND<RL
	04/22/16	18.98	NS	NS	NS	NS	NS
	10/19/16	**20.09**	**ND<0.5**	**ND<0.5**	**3.4**	**ND<0.5**	**ND<RL[12]**

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

Well (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
AMW-9	9/13/95	-	NR	ND<25	170	ND<25	NR
(deep)	4/16/96	-	7	ND<3	170	4	NR
	7/17/96	-	ND<3	ND<3	190	4	NR
	10/23/96	-	ND<3	ND<3	190	ND<3	NR
	9/29/97	-	ND<3	ND<3	110	ND<3	NR
	1/29/99	23.22	ND<4	ND<4	90	ND<4	ND<4
	5/5/99	21.40	ND<2.5	ND<2.5	94	ND<2.5	ND<2.5
	9/10/99	23.74	ND<2.1	ND<2.1	99	ND<2.1	ND<2.1
	1/20/00	24.92	ND<0.5	ND<0.5	100	ND<0.5	ND<0.5
	8/8/00	23.01	ND<2.5	ND<2.5	130	ND<2.5	ND<2.5
	2/15/01	21.20	ND<1.0	ND<1.0	69	ND<1.0	ND<1.0
	8/29/01	22.59	ND<2.5	ND<2.5	98	ND<2.5	ND<2.5
	3/12/02	21.94	ND<2.5	ND<2.5	100	ND<2.5	ND<2.5
	9/27/02	24.16	ND<5.0	ND<5.0	80	ND<5.0	ND<5.0
	3/25/03	23.00	4.1	ND<2.5	48	ND<2.5	ND<2.5
	10/2/03	23.80	4.8	<0.5	36	1.1	ND<0.5
	10/17/06	23.07	ND<1.7	ND<1.7	73	ND<1.7	ND<RL
	5/3/07	23.17	ND<2.5	ND<2.5	86	ND<2.5	ND<RL
	10/17/07	24.97	ND<2.5	ND<2.5	130	ND<2.5	ND<RL
	4/1/08	22.97	ND<2.5	ND<2.5	130	ND<2.5	ND<RL
	10/2/08	25.65	ND<2.5	ND<2.5	110	ND<2.5	ND<RL
	4/2/09	23.80	ND<2.5	ND<2.5	180	ND<2.5	ND<RL
	10/2/09	25.98	ND<2.5	ND<2.5	140	ND<2.5	ND<RL
	4/9/10	22.80	ND<5.0	ND<5.0	160	ND<5.0	ND<RL
	10/22/10	25.36	ND<1.7	ND<1.7	93	ND<1.7	ND<RL
	5/27/11	21.73	ND<1.2	ND<1.2	53	ND<1.2	ND<RL
	10/19/11	24.07	ND<0.5	ND<0.5	30	ND<0.5	ND<RL
	4/30/12	22.90	ND<0.5	ND<0.5	3.4	ND<0.5	ND<RL
	10/29/12	25.49	ND<0.5	ND<0.5	14	ND<0.5	ND<RL
	04/26/13	23.49	ND<0.5	ND<0.5	6.9	ND<0.5	ND<RL
	10/11/13	25.33	ND<0.5	ND<0.5	18	ND<0.5	ND<RL
	04/16/14	24.53	ND<0.5	ND<0.5	13	ND<0.5	ND<RL
	10/14/14	26.22	ND<0.5	ND<0.5	25	ND<0.5	ND<RL
	5/7/15	25.62	ND<0.5	ND<0.5	15	ND<0.5	ND<RL
	10/26/15	26.70	ND<2.5	ND<2.5	110	ND<2.5	ND<RL
	4/22/16	24.74	ND<5.0	ND<5.0	180	ND<5.0	ND<RL
	10/19/16	**25.90**	**ND<5.0**	**ND<5.0**	**100**	**ND<5.0**	**ND<RL[13]**
FHS MW-10	10/9/97	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NR
(deep)	1/29/99	23.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/5/99	20.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/10/99	25.00	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	1/20/00	27.23	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/8/00	24.06	NS	NS	NS	NS	NS
	2/15/01	24.16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	26.11	NS	NS	NS	NS	NS
	3/12/02	23.94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	25.86	NS	NS	NS	NS	NS
	3/25/03	23.20	1.7	ND<1.0	18	2.5	5.0**
	10/6/03	26.39	ND<0.5	ND<0.5	1.4	ND<0.5	1.0**
	10/17/06	24.35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	5/3/2007 [1]	23.97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/17/07	27.71	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/1/08	23.79	ND<0.5	ND<0.5	0.88	ND<0.5	ND<RL
	10/2/08	28.40	ND<0.5	ND<0.5	3.4	ND<0.5	1.4**
	4/2/09	23.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/2/09	28.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/9/10	22.04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/22/10	NA	NS	NS	NS	NS	NS
	5/27/11	21.28	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/19/11	24.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL [8]
	4/30/12	22.41	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/29/12	25.25	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/26/13	25.49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/11/13	28.83	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/16/14	28.12	ND<0.5	ND<0.5	27	0.55	ND<RL
	10/14/14	31.15	ND<0.5	ND<0.5	25	ND<0.5	ND<RL
	05/07/15	26.79	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/26/15	30.51	Well Inaccessible - Car				
	04/22/16	23.28	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/19/16	**28.39**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<RL[12]**

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

Well (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
FHS MW-11	9/29/97	-	ND<0.5	ND<0.5	4	ND<0.5	NR
(deep)	1/29/99	26.38	ND<0.5	ND<0.5	7	ND<0.5	ND<0.5
	5/5/99	22.72	ND<0.5	ND<0.5	7.1	ND<0.5	ND<0.5
	9/10/99	27.42	ND<0.5	ND<0.5	7.5	ND<0.5	ND<0.5
	1/20/00	29.31	ND<0.5	ND<0.5	7.5	ND<0.5	ND<0.5
	8/8/00	26.11	ND<0.5	ND<0.5	38	ND<0.5	ND<0.5
	2/15/01	26.43	ND<0.5	ND<0.5	18	ND<0.5	ND<0.5
	8/29/01	28.28	ND<0.5	ND<0.5	16	ND<0.5	ND<0.5
	3/12/02	21.61	ND<0.5	ND<0.5	13	ND<0.5	0.77**
	9/27/02	27.93	ND<1	ND<1	13	ND<1	6.4** 1.1***
	3/25/03	45.21	0.78	ND<0.5	12	0.88	4.0** 1.0****
	10/2/03			Well Inaccessible			
	10/17/06	26.54	ND<0.5	ND<0.5	20	ND<0.5	ND<RL
	5/3/2007 [1]	26.25	ND<0.5	ND<0.5	25	1.1	ND<RL
	10/17/07	29.88	ND<0.5	ND<0.5	31	0.71	ND<RL
	4/1/08	26.02	ND<0.5	ND<0.5	26	0.61	ND<RL
	10/2/08	30.61	ND<0.5	ND<0.5	31	0.74	ND<RL
	4/2/09	26.09	ND<0.5	ND<0.5	32	0.71	ND<RL
	10/5/09	30.80	ND<0.5	ND<0.5	32	0.70	ND<RL
	4/9/10	21.51	ND<1.0	ND<1.0	32	ND<1.0	ND<RL
	10/22/10	NA	NS	NS	NS	NS	NS
	5/27/11	23.38	ND<1.7	ND<1.7	63	1.9	NS
	10/19/11	27.23	ND<1.0	ND<1.0	49	ND<1.0	ND<RL
	4/30/12	24.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/29/12	28.29	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/26/13	29.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/11/13	30.94	ND<0.5	ND<0.5	26	ND<0.5	ND<RL
	4/16/2014	29.19	ND<0.5	ND<0.5	22	ND<0.5	ND<RL[9]
	10/14/2014	32.23	ND<0.5	ND<0.5	17	ND<0.5	ND<RL[10]
	5/7/2015	27.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL[11]
	10/26/2015	32.57	ND<1.0	ND<1.0	37	ND<1.0	ND<RL
	4/22/2016	25.56	ND<0.5	ND<0.5	5.6	ND<0.5	ND<RL
	10/19/2016			Well Inaccessible - Car			
MW-6	3/11/95	-	ND<20	ND<0.5	1300	ND<20	NR
(deep)	6/5/95	-	ND<20	ND<20	2000	ND<20	NR
	8/29/95	-	ND<20	ND<20	1300	ND<20	NR
	9/11/95	-	NR	ND<50	2000	ND<50	NR
	11/16/95	-	ND<20	ND<20	1300	ND<20	NR
	2/28/96	-	ND<20	ND<20	960	ND<20	NR
	4/16/96	-	10	10	1400	10	NR
	5/28/96	-	ND<20	ND<20	970	ND<20	NR
	7/17/96	-	ND<5	ND<5	590	ND<5	NR
	8/19/96	-	ND<20	ND<20	820	ND<20	NR
	10/23/96	-	ND<5	ND<5	680	ND<5	NR
	11/21/96	-	ND<20	ND<20	680	ND<20	NR
	3/26/97	-	ND<40	ND<40	830	ND<40	NR
	5/20/97	-	ND<5	ND<5	270	ND<5	NR
	9/29/97	-	ND<10	ND<10	670	ND<10	NR
	1/29/99	32.87	1.4	ND<1.3	49	3	ND<1.3
	5/5/99	29.41	19	ND<11	530	38	ND<11
	9/10/99	33.98	27	ND<12	560	53	ND<12
	1/20/00	36.02	18	ND<8.5	660	31	ND<8.5
	8/8/00	32.73	98	16	1700	170	ND<5
	2/15/01	33.34	64	ND<10	650	87	ND<10
	8/29/01	34.98	19	ND<5.0	550	38	ND<5.0
	3/12/02	30.72	61	ND<20	1200	99	ND<20
	9/27/02	34.50	ND<12	ND<12	300	27	ND<12
	3/25/03	32.08	2.6	ND<2.5	49	3.8	ND<2.5
	10/2/03	34.86	13	ND<5.0	340	21	ND<5.0
	10/17/06	32.58	16	ND<5.0	320	18	ND<RL
	5/3/07	32.54	0.92	ND<0.5	39	2.1	ND<RL
	10/17/07	36.20	10	ND<5.0	310	18	ND<RL
	4/1/08	32.39	6.8	ND<1.7	76	9.2	ND<RL
	10/2/08	36.86	21	ND<12	380	33	ND<RL
	4/2/09	32.67	17	ND<10	420	28	ND<RL
	10/2/09	36.98	22	ND<10	410	29	ND<RL
	4/9/10	30.09	5.5	ND<5.0	160	10	ND<RL
	10/25/10	35.87	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 (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
MW-7	3/11/95	-	NS	NS	NS	NS	NS
(shallow)	6/5/95	-	ND<10	ND<10	ND<10	ND<10	ND<10
	8/29/95	-	ND<10	ND<10	ND<10	ND<10	ND<10
	9/11/95	-	85	ND<50	-	ND<50	ND<50
	11/16/95	-	ND<20	ND<20	ND<20	ND<20	ND<20
	2/28/96	-	ND<10	ND<10	ND<10	ND<10	ND<10
	4/16/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/28/96	-	ND<10	ND<10	ND<10	ND<10	ND<10
	7/17/96	-	0.6	ND<0.5	ND<0.5	0.6	ND<0.5
	8/19/96	-	ND<1	ND<1	ND<1	ND<1	ND<1
	10/23/96	-	0.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/21/96	-	ND<10	ND<10	ND<10	ND<10	ND<10
	3/26/97	-	ND<20	ND<20	ND<20	ND<20	ND<20
	5/20/97	-	ND<10	ND<10	ND<10	ND<10	ND<10
	9/29/97	-	ND<10	ND<10	ND<10	ND<10	ND<10
	1/20/00	20.32	ND<6.5	ND<6.5	ND<6.5	ND<6.5	ND<6.5
	8/8/00	20.50	NS	NS	NS	NS	NS
	2/15/01	16.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	21.61	NS	NS	NS	NS	NS
	3/12/02	17.03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	22.73	NS	NS	NS	NS	NS
	3/25/03	19.09	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/2/03	22.46	NS	NS	NS	NS	NS
	10/17/06	22.19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL*****
	5/3/07	19.52	NS	NS	NS	NS	NS
	10/17/07	21.49	ND<10	ND<10	ND<10	ND<10	ND<RL
	4/1/08	19.73	NS	NS	NS	NS	NS
	10/2/08	24.64	ND<1.0	ND<1.0	2.2	ND<1.0	ND<RL
	4/2/09	18.60	NS	NS	NS	NS	NS
	10/2/09	22.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/9/10	17.57	NS	NS	NS	NS	NS
	10/22/10	22.16	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	10/17/06	23.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	10/14/14		Well Destroyed during construction activities				
WGR MW-3	10/17/06	21.86	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.				

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

Well (aguifer zone)	Date	DTW (feet)	cis 1,2 DCE µg/L	trans 1,2 DCE µg/L	PCE µg/L	TCE µg/L	VHCs* µg/L
WGR MW-4	4/16/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
(deep)	7/17/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/23/96	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/29/97	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/15/01	26.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/01	27.14	NS	NS	NS	NS	NS
	3/12/02	24.90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	9/27/02	27.09	NS	NS	NS	NS	NS
	3/25/03	25.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	10/2/03	27.41	NS	NS	NS	NS	NS
	10/17/06	26.31	ND<0.5	ND<0.5	0.62	ND<0.5	ND<RL
	5/3/07	26.13	NS	NS	NS	NS	NS
	10/17/07	28.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/1/08	25.91	NS	NS	NS	NS	NS
	10/2/08	28.85	ND<0.5	ND<0.5	0.55	ND<0.5	ND<RL
	4/2/09	25.77	NS	NS	NS	NS	NS
	10/2/09	28.81	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/9/10	25.01	NS	NS	NS	NS	NS
	10/22/10	28.14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	5/27/11	24.51	NS	NS	NS	NS	NS
	10/19/11	26.97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	4/30/12	24.48	NS	NS	NS	NS	NS
	10/29/12	28.23	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<RL
	04/26/13	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)

*** Dibromochloromethane

**** Methylene Chloride

***** bromodichloromethane

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

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

NS = Well not sampled

NR = Not Reported

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

Tetrachloroethene (PCE)

Trichloroethene (TCE)

[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

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

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

[10] =Choloform detected at a concentration of 8.3 ug/L

[11] =Choloform 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[12] = Reporting Limit with standard dilution factor (1)

RL[13] = Reporting Limit with elevated dilution factor (>1); refer to lab report for details.

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:	10/19/2016
Job Number:	261829	Name of Sampler:	NB & JV
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)	25.06		
Water Elevation (feet above msl)			
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)	9.6		
Actual Volume Purged (gallons)	~~10~~ 5		
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
0932	Start purge						
0935	2.5	18.97	6.45	1437	3.02	90.5	
0938	2.5	19.20	6.98	1462	0.99	78.8	
~~0945~~	~~2.5NB~~						
0940	~~2.5NB~~	well pumped dry					

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

Dry at 5 gal.

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-6R

Project Name:	Foothill Square	Date of Sampling:	10/19/2016
Job Number:	261829	Name of Sampler:	NB & JV
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)	NA		
Depth of Well	23.00		
Depth to Water (from top of casing)	15.49		
Water Elevation (feet above msl)	NA		
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)	3.6		
Actual Volume Purged (gallons)	3.75		
Appearance of Purge Water	Cloudy		
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
1034	1.25	19.57	7.23	1498	3.19	60.4	
1038	1.25	19.53	7.21	1504	3.28	53.8	
1040	1.25	19.69	7.23	1500	3.58	50.4	
1050	started sampling						

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

~~Depth to water measurement is an estimation~~ NB

Purged using bailers

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-8

Project Name:	Foothill Square	Date of Sampling:	10/19/2016
Job Number:	261829	Name of Sampler:	NB & JV
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)	20.09		
Water Elevation (feet above msl)			
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)	12.0		
Actual Volume Purged (gallons)	12		
Appearance of Purge Water	cloudy		
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
1110	Start Purge						
1113	4	19.00	8.09	357	1.91	38.0	
1116	4	19.12	7.98	362	1.18	23.2	
1121	4	18.97	7.90	357	1.06	26.1	

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

DETERMINE SCREEN DEPTH WITH PURGE BLOCK

Screen starts at 31 feet

AEI CONSULTANTS

GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: AMW-9

Project Name:	Foothill Square	Date of Sampling:	10/19/2016
Job Number:	261829	Name of Sampler:	NB & JV
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)	25.90		
Water Elevation (feet above msl)			
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)	13.6		
Actual Volume Purged (gallons)			
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
1006 Start purge							
1010	~~10.3~~ NB 4	20.68	6.92	1818	3.06	83.7	
1010 - Well pumped Dry -							
1110 — started sampling —							

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

DETERMINE SCREEN DEPTH WITH PURGE BLOCK

Screen starts at 43.5 Feet

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: FHS MW-10

Project Name:	Foothill Square	Date of Sampling:	10/19/2016
Job Number:	261829	Name of Sampler:	NB & JV
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)	28.39		
Water Elevation (feet above msl)			
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)	11.3		
Actual Volume Purged (gallons)	12		
Appearance of Purge Water	Cloudy/clear after 1st 5 gal		
Free Product Present?	n/a	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
0829 Start		purging					
0852	4	18.93	5.97	567	2.75	200.9	
0855	4	19.02	6.20	576	1.90	180.9	
NB ~~0859~~ 0900	4	19.04	6.22	577	1.61	176.1	
0900		started sampling					

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:	10/19/2016
Job Number:	261829	Name of Sampler:	NB & JV
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)			
Water Elevation (feet above msl)			
Well Volumes Purged			
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)			
Actual Volume Purged (gallons)			
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.)

Signs placed on 10/18/16
Signs moved and truck parked on top of well on 10/19/16

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. #** 119897

Company: AEI Consultants

2500 Camino Diablo, Suite 200

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:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: 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	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
AMW-1		10/19/16	0940	3		X					X	X							X											
AMW-6R			1050																X											
AMW-8			1121																X											
AMW-9			1110																X											
FHS MW-10			0900																X											
~~FHS MW-11~~																			~~X~~											

Relinquished By:	Date:	Time:	Received By:
	10/19/16	1330	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
PRESERVATION				

ICE/t°_____ GOOD CONDITION_____ HEAD SPACE ABSENT_____ DECHLORINATED IN LAB_____ APPROPRIATE CONTAINERS_____ PERSERVED IN LAB_____

APPENDIX B

LABORATORY ANALYSES WITH CHAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1610839

Report Created for: AEI Consultants

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

Project Contact: Jeremy Smith
Project P.O.: 119897
Project Name: 261829; Foothill Square

Project Received: 10/19/2016

Analytical Report reviewed & approved for release on 10/24/2016 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 261829; Foothill Square
WorkOrder: 1610839

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

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-1	1610839-001A	Water	10/19/2016 09:40	GC16	128437

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.50	1	10/20/2016 00:01
Bromochloromethane	ND	0.50	1	10/20/2016 00:01
Bromodichloromethane	ND	0.50	1	10/20/2016 00:01
Bromoform	ND	0.50	1	10/20/2016 00:01
Bromomethane	ND	0.50	1	10/20/2016 00:01
Carbon Tetrachloride	ND	0.50	1	10/20/2016 00:01
Chlorobenzene	ND	0.50	1	10/20/2016 00:01
Chloroethane	ND	0.50	1	10/20/2016 00:01
Chloroform	ND	0.50	1	10/20/2016 00:01
Chloromethane	ND	0.50	1	10/20/2016 00:01
2-Chlorotoluene	ND	0.50	1	10/20/2016 00:01
4-Chlorotoluene	ND	0.50	1	10/20/2016 00:01
Dibromochloromethane	ND	0.50	1	10/20/2016 00:01
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/20/2016 00:01
1,2-Dibromoethane (EDB)	ND	0.50	1	10/20/2016 00:01
Dibromomethane	ND	0.50	1	10/20/2016 00:01
1,2-Dichlorobenzene	ND	0.50	1	10/20/2016 00:01
1,3-Dichlorobenzene	ND	0.50	1	10/20/2016 00:01
1,4-Dichlorobenzene	ND	0.50	1	10/20/2016 00:01
Dichlorodifluoromethane	ND	0.50	1	10/20/2016 00:01
1,1-Dichloroethane	ND	0.50	1	10/20/2016 00:01
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/20/2016 00:01
1,1-Dichloroethene	ND	0.50	1	10/20/2016 00:01
cis-1,2-Dichloroethene	ND	0.50	1	10/20/2016 00:01
trans-1,2-Dichloroethene	ND	0.50	1	10/20/2016 00:01
1,2-Dichloropropane	ND	0.50	1	10/20/2016 00:01
1,3-Dichloropropane	ND	0.50	1	10/20/2016 00:01
2,2-Dichloropropane	ND	0.50	1	10/20/2016 00:01
1,1-Dichloropropene	ND	0.50	1	10/20/2016 00:01
cis-1,3-Dichloropropene	ND	0.50	1	10/20/2016 00:01
trans-1,3-Dichloropropene	ND	0.50	1	10/20/2016 00:01
Freon 113	ND	0.50	1	10/20/2016 00:01
Hexachlorobutadiene	ND	0.50	1	10/20/2016 00:01
Hexachloroethane	ND	0.50	1	10/20/2016 00:01
Methylene chloride	ND	0.50	1	10/20/2016 00:01
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/20/2016 00:01
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/20/2016 00:01

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-1	**1610839-001A**	**Water**	**10/19/2016 09:40**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	ND	0.50	1	10/20/2016 00:01
1,2,3-Trichlorobenzene	ND	0.50	1	10/20/2016 00:01
1,2,4-Trichlorobenzene	ND	0.50	1	10/20/2016 00:01
1,1,1-Trichloroethane	ND	0.50	1	10/20/2016 00:01
1,1,2-Trichloroethane	ND	0.50	1	10/20/2016 00:01
Trichloroethene	ND	0.50	1	10/20/2016 00:01
Trichlorofluoromethane	ND	0.50	1	10/20/2016 00:01
1,2,3-Trichloropropane	ND	0.50	1	10/20/2016 00:01
Vinyl Chloride	ND	0.50	1	10/20/2016 00:01

Surrogates	REC (%)	Limits	
Dibromofluoromethane	95	70-130	10/20/2016 00:01
Toluene-d8	90	70-130	10/20/2016 00:01
4-BFB	79	70-130	10/20/2016 00:01

Analyst(s): MW

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-6R	**1610839-002A**	**Water**	**10/19/2016 10:50**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	25	50	10/21/2016 00:16
Bromochloromethane	ND	25	50	10/21/2016 00:16
Bromodichloromethane	ND	25	50	10/21/2016 00:16
Bromoform	ND	25	50	10/21/2016 00:16
Bromomethane	ND	25	50	10/21/2016 00:16
Carbon Tetrachloride	ND	25	50	10/21/2016 00:16
Chlorobenzene	ND	25	50	10/21/2016 00:16
Chloroethane	ND	25	50	10/21/2016 00:16
Chloroform	ND	25	50	10/21/2016 00:16
Chloromethane	ND	25	50	10/21/2016 00:16
2-Chlorotoluene	ND	25	50	10/21/2016 00:16
4-Chlorotoluene	ND	25	50	10/21/2016 00:16
Dibromochloromethane	ND	25	50	10/21/2016 00:16
1,2-Dibromo-3-chloropropane	ND	10	50	10/21/2016 00:16
1,2-Dibromoethane (EDB)	ND	25	50	10/21/2016 00:16
Dibromomethane	ND	25	50	10/21/2016 00:16
1,2-Dichlorobenzene	ND	25	50	10/21/2016 00:16
1,3-Dichlorobenzene	ND	25	50	10/21/2016 00:16
1,4-Dichlorobenzene	ND	25	50	10/21/2016 00:16
Dichlorodifluoromethane	ND	25	50	10/21/2016 00:16
1,1-Dichloroethane	ND	25	50	10/21/2016 00:16
1,2-Dichloroethane (1,2-DCA)	ND	25	50	10/21/2016 00:16
1,1-Dichloroethene	ND	25	50	10/21/2016 00:16
cis-1,2-Dichloroethene	**110**	25	50	10/21/2016 00:16
trans-1,2-Dichloroethene	ND	25	50	10/21/2016 00:16
1,2-Dichloropropane	ND	25	50	10/21/2016 00:16
1,3-Dichloropropane	ND	25	50	10/21/2016 00:16
2,2-Dichloropropane	ND	25	50	10/21/2016 00:16
1,1-Dichloropropene	ND	25	50	10/21/2016 00:16
cis-1,3-Dichloropropene	ND	25	50	10/21/2016 00:16
trans-1,3-Dichloropropene	ND	25	50	10/21/2016 00:16
Freon 113	ND	25	50	10/21/2016 00:16
Hexachlorobutadiene	ND	25	50	10/21/2016 00:16
Hexachloroethane	ND	25	50	10/21/2016 00:16
Methylene chloride	ND	25	50	10/21/2016 00:16
1,1,1,2-Tetrachloroethane	ND	25	50	10/21/2016 00:16
1,1,2,2-Tetrachloroethane	ND	25	50	10/21/2016 00:16

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-6R	**1610839-002A**	**Water**	**10/19/2016 10:50**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	**680**	25	50	10/21/2016 00:16
1,2,3-Trichlorobenzene	ND	25	50	10/21/2016 00:16
1,2,4-Trichlorobenzene	ND	25	50	10/21/2016 00:16
1,1,1-Trichloroethane	ND	25	50	10/21/2016 00:16
1,1,2-Trichloroethane	ND	25	50	10/21/2016 00:16
Trichloroethene	**120**	25	50	10/21/2016 00:16
Trichlorofluoromethane	ND	25	50	10/21/2016 00:16
1,2,3-Trichloropropane	ND	25	50	10/21/2016 00:16
Vinyl Chloride	ND	25	50	10/21/2016 00:16

Surrogates	REC (%)	Limits	
Dibromofluoromethane	94	70-130	10/21/2016 00:16
Toluene-d8	93	70-130	10/21/2016 00:16
4-BFB	79	70-130	10/21/2016 00:16

Analyst(s): MW Analytical Comments: b1

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-8	1610839-003A	Water	10/19/2016 11:21	GC16	128437

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.50	1	10/21/2016 00:56
Bromochloromethane	ND	0.50	1	10/21/2016 00:56
Bromodichloromethane	ND	0.50	1	10/21/2016 00:56
Bromoform	ND	0.50	1	10/21/2016 00:56
Bromomethane	ND	0.50	1	10/21/2016 00:56
Carbon Tetrachloride	ND	0.50	1	10/21/2016 00:56
Chlorobenzene	ND	0.50	1	10/21/2016 00:56
Chloroethane	ND	0.50	1	10/21/2016 00:56
Chloroform	ND	0.50	1	10/21/2016 00:56
Chloromethane	ND	0.50	1	10/21/2016 00:56
2-Chlorotoluene	ND	0.50	1	10/21/2016 00:56
4-Chlorotoluene	ND	0.50	1	10/21/2016 00:56
Dibromochloromethane	ND	0.50	1	10/21/2016 00:56
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/21/2016 00:56
1,2-Dibromoethane (EDB)	ND	0.50	1	10/21/2016 00:56
Dibromomethane	ND	0.50	1	10/21/2016 00:56
1,2-Dichlorobenzene	ND	0.50	1	10/21/2016 00:56
1,3-Dichlorobenzene	ND	0.50	1	10/21/2016 00:56
1,4-Dichlorobenzene	ND	0.50	1	10/21/2016 00:56
Dichlorodifluoromethane	ND	0.50	1	10/21/2016 00:56
1,1-Dichloroethane	ND	0.50	1	10/21/2016 00:56
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/21/2016 00:56
1,1-Dichloroethene	ND	0.50	1	10/21/2016 00:56
cis-1,2-Dichloroethene	ND	0.50	1	10/21/2016 00:56
trans-1,2-Dichloroethene	ND	0.50	1	10/21/2016 00:56
1,2-Dichloropropane	ND	0.50	1	10/21/2016 00:56
1,3-Dichloropropane	ND	0.50	1	10/21/2016 00:56
2,2-Dichloropropane	ND	0.50	1	10/21/2016 00:56
1,1-Dichloropropene	ND	0.50	1	10/21/2016 00:56
cis-1,3-Dichloropropene	ND	0.50	1	10/21/2016 00:56
trans-1,3-Dichloropropene	ND	0.50	1	10/21/2016 00:56
Freon 113	ND	0.50	1	10/21/2016 00:56
Hexachlorobutadiene	ND	0.50	1	10/21/2016 00:56
Hexachloroethane	ND	0.50	1	10/21/2016 00:56
Methylene chloride	ND	0.50	1	10/21/2016 00:56
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/21/2016 00:56
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/21/2016 00:56

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-8	**1610839-003A**	**Water**	**10/19/2016 11:21**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	**3.4**	0.50	1	10/21/2016 00:56
1,2,3-Trichlorobenzene	ND	0.50	1	10/21/2016 00:56
1,2,4-Trichlorobenzene	ND	0.50	1	10/21/2016 00:56
1,1,1-Trichloroethane	ND	0.50	1	10/21/2016 00:56
1,1,2-Trichloroethane	ND	0.50	1	10/21/2016 00:56
Trichloroethene	ND	0.50	1	10/21/2016 00:56
Trichlorofluoromethane	ND	0.50	1	10/21/2016 00:56
1,2,3-Trichloropropane	ND	0.50	1	10/21/2016 00:56
Vinyl Chloride	ND	0.50	1	10/21/2016 00:56

Surrogates	REC (%)	Limits	
Dibromofluoromethane	95	70-130	10/21/2016 00:56
Toluene-d8	91	70-130	10/21/2016 00:56
4-BFB	78	70-130	10/21/2016 00:56

Analyst(s): MW

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-9	**1610839-004A**	**Water**	**10/19/2016 11:10**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	5.0	10	10/21/2016 01:36
Bromochloromethane	ND	5.0	10	10/21/2016 01:36
Bromodichloromethane	ND	5.0	10	10/21/2016 01:36
Bromoform	ND	5.0	10	10/21/2016 01:36
Bromomethane	ND	5.0	10	10/21/2016 01:36
Carbon Tetrachloride	ND	5.0	10	10/21/2016 01:36
Chlorobenzene	ND	5.0	10	10/21/2016 01:36
Chloroethane	ND	5.0	10	10/21/2016 01:36
Chloroform	ND	5.0	10	10/21/2016 01:36
Chloromethane	ND	5.0	10	10/21/2016 01:36
2-Chlorotoluene	ND	5.0	10	10/21/2016 01:36
4-Chlorotoluene	ND	5.0	10	10/21/2016 01:36
Dibromochloromethane	ND	5.0	10	10/21/2016 01:36
1,2-Dibromo-3-chloropropane	ND	2.0	10	10/21/2016 01:36
1,2-Dibromoethane (EDB)	ND	5.0	10	10/21/2016 01:36
Dibromomethane	ND	5.0	10	10/21/2016 01:36
1,2-Dichlorobenzene	ND	5.0	10	10/21/2016 01:36
1,3-Dichlorobenzene	ND	5.0	10	10/21/2016 01:36
1,4-Dichlorobenzene	ND	5.0	10	10/21/2016 01:36
Dichlorodifluoromethane	ND	5.0	10	10/21/2016 01:36
1,1-Dichloroethane	ND	5.0	10	10/21/2016 01:36
1,2-Dichloroethane (1,2-DCA)	ND	5.0	10	10/21/2016 01:36
1,1-Dichloroethene	ND	5.0	10	10/21/2016 01:36
cis-1,2-Dichloroethene	ND	5.0	10	10/21/2016 01:36
trans-1,2-Dichloroethene	ND	5.0	10	10/21/2016 01:36
1,2-Dichloropropane	ND	5.0	10	10/21/2016 01:36
1,3-Dichloropropane	ND	5.0	10	10/21/2016 01:36
2,2-Dichloropropane	ND	5.0	10	10/21/2016 01:36
1,1-Dichloropropene	ND	5.0	10	10/21/2016 01:36
cis-1,3-Dichloropropene	ND	5.0	10	10/21/2016 01:36
trans-1,3-Dichloropropene	ND	5.0	10	10/21/2016 01:36
Freon 113	ND	5.0	10	10/21/2016 01:36
Hexachlorobutadiene	ND	5.0	10	10/21/2016 01:36
Hexachloroethane	ND	5.0	10	10/21/2016 01:36
Methylene chloride	ND	5.0	10	10/21/2016 01:36
1,1,1,2-Tetrachloroethane	ND	5.0	10	10/21/2016 01:36
1,1,2,2-Tetrachloroethane	ND	5.0	10	10/21/2016 01:36

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AMW-9	**1610839-004A**	**Water**	**10/19/2016 11:10**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	**100**	5.0	10	10/21/2016 01:36
1,2,3-Trichlorobenzene	ND	5.0	10	10/21/2016 01:36
1,2,4-Trichlorobenzene	ND	5.0	10	10/21/2016 01:36
1,1,1-Trichloroethane	ND	5.0	10	10/21/2016 01:36
1,1,2-Trichloroethane	ND	5.0	10	10/21/2016 01:36
Trichloroethene	ND	5.0	10	10/21/2016 01:36
Trichlorofluoromethane	ND	5.0	10	10/21/2016 01:36
1,2,3-Trichloropropane	ND	5.0	10	10/21/2016 01:36
Vinyl Chloride	ND	5.0	10	10/21/2016 01:36

Surrogates	REC (%)	Limits	
Dibromofluoromethane	93	70-130	10/21/2016 01:36
Toluene-d8	92	70-130	10/21/2016 01:36
4-BFB	81	70-130	10/21/2016 01:36

Analyst(s): MW

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
FHS MW-10	**1610839-005A**	**Water**	**10/19/2016 09:00**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.50	1	10/21/2016 02:16
Bromochloromethane	ND	0.50	1	10/21/2016 02:16
Bromodichloromethane	ND	0.50	1	10/21/2016 02:16
Bromoform	ND	0.50	1	10/21/2016 02:16
Bromomethane	ND	0.50	1	10/21/2016 02:16
Carbon Tetrachloride	ND	0.50	1	10/21/2016 02:16
Chlorobenzene	ND	0.50	1	10/21/2016 02:16
Chloroethane	ND	0.50	1	10/21/2016 02:16
Chloroform	ND	0.50	1	10/21/2016 02:16
Chloromethane	ND	0.50	1	10/21/2016 02:16
2-Chlorotoluene	ND	0.50	1	10/21/2016 02:16
4-Chlorotoluene	ND	0.50	1	10/21/2016 02:16
Dibromochloromethane	ND	0.50	1	10/21/2016 02:16
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/21/2016 02:16
1,2-Dibromoethane (EDB)	ND	0.50	1	10/21/2016 02:16
Dibromomethane	ND	0.50	1	10/21/2016 02:16
1,2-Dichlorobenzene	ND	0.50	1	10/21/2016 02:16
1,3-Dichlorobenzene	ND	0.50	1	10/21/2016 02:16
1,4-Dichlorobenzene	ND	0.50	1	10/21/2016 02:16
Dichlorodifluoromethane	ND	0.50	1	10/21/2016 02:16
1,1-Dichloroethane	ND	0.50	1	10/21/2016 02:16
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/21/2016 02:16
1,1-Dichloroethene	ND	0.50	1	10/21/2016 02:16
cis-1,2-Dichloroethene	ND	0.50	1	10/21/2016 02:16
trans-1,2-Dichloroethene	ND	0.50	1	10/21/2016 02:16
1,2-Dichloropropane	ND	0.50	1	10/21/2016 02:16
1,3-Dichloropropane	ND	0.50	1	10/21/2016 02:16
2,2-Dichloropropane	ND	0.50	1	10/21/2016 02:16
1,1-Dichloropropene	ND	0.50	1	10/21/2016 02:16
cis-1,3-Dichloropropene	ND	0.50	1	10/21/2016 02:16
trans-1,3-Dichloropropene	ND	0.50	1	10/21/2016 02:16
Freon 113	ND	0.50	1	10/21/2016 02:16
Hexachlorobutadiene	ND	0.50	1	10/21/2016 02:16
Hexachloroethane	ND	0.50	1	10/21/2016 02:16
Methylene chloride	ND	0.50	1	10/21/2016 02:16
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/21/2016 02:16
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/21/2016 02:16

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Received:	10/19/16 13:30	**Extraction Method:**	SW5030B
Date Prepared:	10/20/16-10/21/16	**Analytical Method:**	SW8260B
Project:	261829; Foothill Square	**Unit:**	µg/L

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
FHS MW-10	**1610839-005A**	**Water**	**10/19/2016 09:00**	**GC16**	**128437**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	ND	0.50	1	10/21/2016 02:16
1,2,3-Trichlorobenzene	ND	0.50	1	10/21/2016 02:16
1,2,4-Trichlorobenzene	ND	0.50	1	10/21/2016 02:16
1,1,1-Trichloroethane	ND	0.50	1	10/21/2016 02:16
1,1,2-Trichloroethane	ND	0.50	1	10/21/2016 02:16
Trichloroethene	ND	0.50	1	10/21/2016 02:16
Trichlorofluoromethane	ND	0.50	1	10/21/2016 02:16
1,2,3-Trichloropropane	ND	0.50	1	10/21/2016 02:16
Vinyl Chloride	ND	0.50	1	10/21/2016 02:16

Surrogates	REC (%)	Limits	
Dibromofluoromethane	94	70-130	10/21/2016 02:16
Toluene-d8	92	70-130	10/21/2016 02:16
4-BFB	79	70-130	10/21/2016 02:16

Analyst(s): MW

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Prepared:	10/19/16	**BatchID:**	128437
Date Analyzed:	10/19/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-128437 1610749-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.95	0.50	10	-	100	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	11.1	0.50	10	-	111	66-125
1,1-Dichloroethene	ND	10.5	0.50	10	-	105	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	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
Methylene chloride	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1610839
Date Prepared:	10/19/16	**BatchID:**	128437
Date Analyzed:	10/19/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	261829; Foothill Square	**Sample ID:**	MB/LCS-128437 1610749-004AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Tetrachloroethene	ND	-	0.50	-	-	-	-
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	10.3	0.50	10	-	103	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	23.8	23.6		25	95	94	70-130
Toluene-d8	23.2	21.9		25	93	88	70-130
4-BFB	2.07	2.33		2.5	83	93	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chlorobenzene	9.56	10.0	10	ND	96	100	77-120	4.67	20
1,2-Dibromoethane (EDB)	10.5	10.8	10	ND	105	108	76-135	2.88	20
1,2-Dichloroethane (1,2-DCA)	11.4	11.8	10	ND	114	119	73-139	3.94	20
1,1-Dichloroethene	10.2	10.7	10	ND	102	107	59-140	5.01	20
Trichloroethene	9.24	9.76	10	ND	92	98	64-132	5.57	20
Surrogate Recovery									
Dibromofluoromethane	23.8	24.0	25		95	96	73-131	0.571	20
Toluene-d8	23.1	22.9	25		93	92	72-117	0.821	20
4-BFB	2.69	2.64	2.5		108	106	74-116	1.74	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1610839 **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: 119897
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: **10/19/2016**
Date Logged: **10/19/2016**

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
1610839-001	AMW-1	Water	10/19/2016 09:40	☐	A	A										
1610839-002	AMW-6R	Water	10/19/2016 10:50	☐	A											
1610839-003	AMW-8	Water	10/19/2016 11:21	☐	A											
1610839-004	AMW-9	Water	10/19/2016 11:10	☐	A											
1610839-005	FHS MW-10	Water	10/19/2016 09:00	☐	A											

Test Legend:

1	8010_W	2	PREDF 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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Project: 261829; Foothill Square
Comments:

Work Order: 1610839
QC Level: LEVEL 2
Date Logged: 10/19/2016

☐ 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
1610839-001A	AMW-1	Water	SW8260B (HVOCs List)	3	VOA w/ HCl	☐	10/19/2016 9:40	5 days	Present	☐	
1610839-002A	AMW-6R	Water	SW8260B (HVOCs List)	3	VOA w/ HCl	☐	10/19/2016 10:50	5 days	5%+	☐	
1610839-003A	AMW-8	Water	SW8260B (HVOCs List)	3	VOA w/ HCl	☐	10/19/2016 11:21	5 days	Present	☐	
1610839-004A	AMW-9	Water	SW8260B (HVOCs List)	3	VOA w/ HCl	☐	10/19/2016 11:10	5 days	Present	☐	
1610839-005A	FHS MW-10	Water	SW8260B (HVOCs List)	3	VOA w/ HCl	☐	10/19/2016 9:00	5 days	Present	☐	

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.

16108839

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. #** 119897

Company: AEI Consultants
2500 Camino Diablo, Suite 200
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:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: 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	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
AMW-1		10/19/16	0940	3		X					X	X							X											
AMW-6R			1050																X											
AMW-8			1121																X											
AMW-9			1110																X											
FHS MW-10			0900																X											
~~FHS MW-11~~																			X											

Relinquished By:	Date:	Time:	Received By:
	10/19/16	1330	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 7.3
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____

	VOAS	O&G	METALS	OTHER
PRESERVATION				
APPROPRIATE CONTAINERS				
PERSERVED IN LAB				

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**AEI Consultants**	Date and Time Received	**10/19/2016 13:30**
Project Name:	**261829; Foothill Square**	Date Logged:	**10/19/2016**
		Received by:	Maria Venegas
WorkOrder №:	**1610839** Matrix: Water	Logged by:	Maria Venegas
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 ☐	
Sample/Temp Blank temperature	Temp: 7.3°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

Comments: