



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

**RECEIVED**

2:14 pm, Apr 03, 2008

April 1, 2008

Alameda County  
Environmental Health

**QUARTERLY GROUNDWATER MONITORING REPORT  
JANUARY 2008 GROUNDWATER SAMPLING  
ASE JOB NO. 3412**

at  
Yee Property  
726 Harrison Street  
Oakland, CA 94602

Prepared by:  
AQUA SCIENCE ENGINEERS, INC.  
55 Oak Court, Suite 220  
Danville, CA 94526  
(925) 820-9391



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## 1.0 INTRODUCTION

### Site Location (Site), See Figure 1

Yee Property  
(Previously Former Chan's Shell Station)  
726 Harrison Street  
Oakland, CA 94602  
(510) 444-6583

### Responsible Party

Peter Yee  
1000 San Antonio Avenue  
Alameda, CA 94501

### Environmental Consulting Firm

Aqua Science Engineers, Inc. (ASE)  
55 Oak Court, Suite 220  
Danville, CA 94526  
Contact: Robert Kitay, Senior Geologist  
(925) 820-9391

### Agency Review

Alameda County Health  
Care Services Agency (ACHCSA)  
1131 Harbor Bay Pkwy  
Suite 250  
Alameda, CA 94502  
Contact: Mr. Steven Plunkett  
(510) 567-6700

California Regional Water  
Quality Control Board (RWQCB)  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612  
Contact: Ms. Betty Graham  
(510) 622-2433

The following is a report detailing the results of the January 2008 quarterly groundwater sampling at the Yee Property, previously referred to as the former Chan's Shell Station. This sampling was conducted as required by the ACHCSA and RWQCB. ASE has prepared this report on behalf of Peter Yee, the current responsible party, who purchased the property from Kin Chan. This report is intended to supplement the ASE report: "Report of Soil and Groundwater Assessment" dated January 8, 1999.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## 2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On January 30, 2008, ASE measured the depth to groundwater in monitoring wells MW-1 through MW-5 using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons were observed in any site well. ASE coordinated this groundwater sampling with Conestoga-Rovers and Associates, Inc., (CRA), who is investigating the adjacent property located at 706 Harrison Street, referred to in this report as the former ARCO station, and groundwater elevation levels were measured on the same day. Groundwater elevation data for both sites are presented in Tables One and Two. A groundwater potentiometric surface map illustrating groundwater elevation contours is presented as Figure 2. The groundwater flow direction below the site is generally to the south-southwest at a gradient of 0.009 feet/foot.

## 3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On January 30, 2008, ASE collected groundwater samples from monitoring wells MW-1 through MW-5. Prior to sampling, each well was purged of three well casing volumes of groundwater using disposable polyethylene bailers. Petroleum hydrocarbon odors were noted during the purging and sampling of monitoring wells MW-1, MW-3, MW-4, and MW-5. Due to a malfunction in the meter, pH, temperature, and conductivity readings were not collected while purging during this sampling. However, historical data has always shown that these parameters stabilize by three well casing volumes of purging. Groundwater samples were collected from each well using disposable polyethylene bailers and were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid. The samples were capped without headspace, labeled, and placed in coolers with wet ice for transport to Kiff Analytical, LLC, (KIFF) of Davis, California under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A. Well sampling purge water was contained in a sealed and labeled 55-gallon steel drum for temporary storage until off-site disposal can be arranged. See Appendix A for copies of the well sampling field logs.

All groundwater samples were analyzed by KIFF for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B. The analytical results for this and previous sampling periods are presented in Table Three. The certified analytical report and chain-of-custody documentation are included as Appendix B.

## 4.0 CONCLUSIONS

- Concentrations of TPH-G, BTEX and MTBE in groundwater samples collected from monitoring well MW-1 decreased to historic lows this quarter.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

- Concentrations of MTBE increased from previous results in groundwater samples collected from monitoring well MW-2 and are now at a historic high. No other hydrocarbons were detected in groundwater samples collected from monitoring well MW-2 this quarter.
- Concentrations of MTBE were very similar to the results from the last two quarters in groundwater samples collected from monitoring well MW-3, and are significantly lower than all results prior to August 2007. No other hydrocarbons were detected in groundwater samples collected from monitoring well MW-3 this quarter.
- Concentrations of MTBE in groundwater samples collected from monitoring well MW-4 are significantly lower than the previous quarter's results and are the lowest results since July 2003. However, benzene concentrations, which are usually non-detectable in this well, are at a historic high. Trace concentrations of toluene and total xylenes were also detected.
- Concentrations of TPH-G, BTEX and MTBE decreased slightly from last quarter's results in groundwater samples collected from monitoring well MW-5.

The following monitoring wells contained hydrocarbon concentrations in groundwater in excess of Environmental Screening Levels (ESLs) as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region dated November 2007.

- Groundwater samples collected from monitoring well MW-1 contained concentrations of TPH-G, benzene, ethylbenzene, total xylenes and MTBE in excess of ESLs.
- Groundwater samples collected from monitoring wells MW-2 and MW-3 contained concentrations of MTBE in excess of the ESL.
- Groundwater samples collected from monitoring well MW-4 contained concentrations of TPH-G, benzene and MTBE in excess of ESLs.
- Groundwater samples collected from monitoring well MW-5 contained concentrations of TPH-G, BTEX and MTBE in excess of ESLs.

## **5.0 RECOMMENDATION**

ASE recommends that the frequency of groundwater monitoring be changed to semi-annual. The next groundwater sampling is scheduled for April 2008.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

Additionally, ASE submitted a workplan dated December 6, 2007 to conduct additional soil and groundwater assessment in the site vicinity. ASE will conduct this work once the workplan is approved by the ACHCSA.

## 6.0 REPORT LIMITATIONS

The results presented in this report represent the conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, P.G., R.E.A.  
Senior Geologist



Attachments: Figures 1 and 2  
Appendices A and B

cc: Mr. Steven Plunkett, Alameda County Health Care Services Agency  
Ms. Betty Graham, RWQCB, San Francisco Bay Region

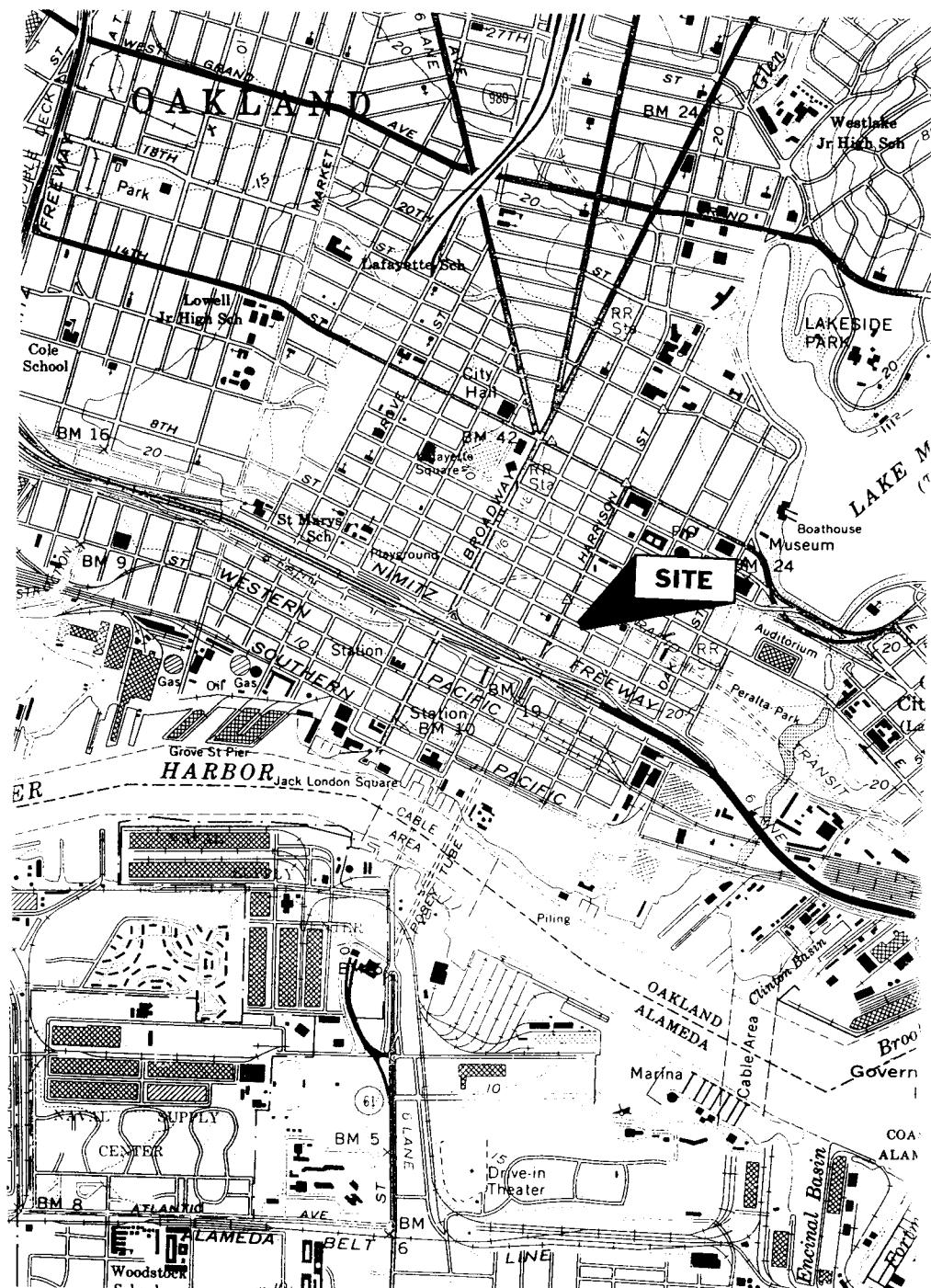


Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **FIGURES**



NORTH



### SITE LOCATION MAP

YEE PROPERTY  
726 HARRISON STREET  
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 1

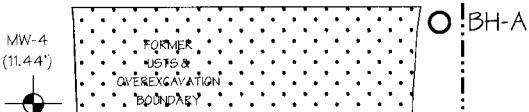
# 8TH STREET



NORTH

SCALE  
1" = 30'

## SUBJECT PROPERTY



BH-C

BH-A

BH-B

FORMER  
USTS &  
OVEREXCAVATION  
BOUNDARY

BUILDING

EW-1 AG-1

10.0

11.0

MW-1 (11.08')

MW-3 (10.99')

MW-5 (10.85')

MW-2 (10.81')

HARRISON STREET

10.5'

ARCO  
MW-7  
(10.34')

10.0'

ARCO  
MW-4  
(10.71')

ARCO  
MW-2  
(10.54')

ARCO  
MW-3  
(10.34')

FORMER  
ARCO  
STATION

SIDEWALK

7TH STREET

ARCO  
MW-6  
(9.59')

9.5'

ARCO  
MW-5  
(9.46')

FORMER  
USTS/  
OVEREXCAVATIONS

### LEGEND

Approx. Groundwater Flow Direction

MW-1 ASE Monitoring Well

MW-1 Former ARCO Monitoring Well

(11.08') Groundwater elevation, relative to MSL

Groundwater elevation contour

\* Anomalous data - Not used for contouring

GROUNDWATER ELEVATION  
CONTOUR MAP - 1/30/08

YEE PROPERTY  
726 HARRISON STREET  
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 2



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **TABLES**

**TABLE ONE**  
**Groundwater Elevation Data**  
**Yee Property**  
**726 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-1	12/15/98	31.95*	17.32	14.63
	3/4/99		15.52	16.43
	6/17/99		16.9	15.05
	8/27/99		17.39	14.56
	12/9/99		18.03	13.92
	3/7/00		15.11	16.84
	6/7/00		16.66	15.29
	10/11/00		18.08	13.87
	1/18/01		17.96	13.99
	4/5/01		16.35	15.60
	7/17/01		16.94	15.01
	10/5/01	28.98	17.35	11.63
	1/18/02		15.40	13.58
	4/11/02		15.76	13.22
	7/8/02		16.17	12.81
	10/9/02		16.72	12.26
	1/29/03		16.26	12.72
	4/11/03		16.56	12.42
	7/18/03		16.42	12.56
	10/9/03		16.88	12.10
	1/28/04		16.10	12.88
	4/7/04		15.43	13.55
	7/23/04		16.41	12.57
	10/12/04		17.73	11.25
	1/29/05		15.02	13.96
	4/28/05		14.99	13.99
	7/19/05		16.36	12.62
	10/18/05		17.82	11.16
	1/23/06		15.80	13.18
	4/12/06		13.24	15.74
	7/10/06		15.64	13.34
	10/16/06		17.51	11.47
	1/26/07		18.36	10.62
	4/18/07		17.79	11.19
	8/2/07		18.20	10.78
	10/23/07		18.75	10.23
	1/30/08		17.90	11.08

**TABLE ONE**  
**Groundwater Elevation Data**  
**Yee Property**  
**726 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-2	12/15/98	32.40*	18.03	14.37
	3/4/99		16.11	16.29
	6/17/99		17.72	14.68
	8/27/99		Inaccessible	
	12/9/99		Inaccessible	
	3/7/00		Inaccessible	
	6/7/00		17.67	14.73
	10/11/00		18.91	13.49
	1/18/01		18.66	13.74
	4/5/01		16.97	15.43
	7/17/01		17.54	14.86
	10/5/01	29.44	17.98	11.46
	1/18/02		15.87	13.57
	4/11/02		16.36	13.08
	7/18/02		16.72	12.72
	10/9/02		17.33	12.11
	1/29/03		16.82	12.62
	4/11/03		17.15	12.29
	7/18/03		17.05	12.39
	10/9/03		17.52	11.92
	1/28/04		16.70	12.74
	4/7/04		16.02	13.42
	7/23/04		Inaccessible	
	10/12/04		17.31	12.13
	1/29/05		15.46	13.98
	4/28/05		15.79	13.65
	7/19/05		17.25	12.19
	10/18/05		17.72	11.72
	1/23/05		15.65	13.79
	4/12/06		12.33	17.11
	7/10/06		16.58	12.86
	10/16/06		18.33	11.11
	1/26/07		19.21	10.23
	4/18/07		18.58	10.86
	8/2/07		19.02	10.42
	10/23/07		Inaccessible	
	1/30/08		18.63	10.81

**TABLE ONE**  
**Groundwater Elevation Data**  
**Yee Property**  
**726 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
<b>MW-3</b>	12/15/98	31.61*	17.26	14.35
	3/4/99		15.47	16.14
	6/17/99		16.92	14.69
	8/27/99		17.40	14.21
	12/9/99		18.01	13.60
	3/7/00		16.15	15.46
	6/7/00		16.85	14.76
	10/11/00		18.07	13.54
	1/18/01		17.89	13.72
	4/5/01		16.21	15.40
	7/17/01		16.90	14.71
	10/5/01	28.64	17.32	11.32
	1/18/02		15.35	13.29
	4/11/02		15.82	12.82
	7/8/02		16.15	12.49
	10/9/02		16.67	11.97
	1/29/03		16.19	12.45
	4/11/03		16.49	12.15
	7/18/03		16.42	12.22
	10/9/03		16.80	11.84
	1/28/03		15.94	12.70
	4/7/04		15.28	13.36
	7/23/04		16.15	12.49
	10/12/04		16.63	12.01
	1/29/05		16.15	12.49
	4/28/05		14.94	13.70
	7/19/05		16.25	12.39
	10/18/05		16.76	11.88
	1/23/06		15.81	12.83
	4/12/06		13.22	15.42
	7/10/06		15.49	13.15
	10/16/06		17.46	11.18
	1/26/07		18.02	10.62
	4/18/07		17.75	10.89
	8/2/07		18.38	10.26
	10/23/07		19.61	9.03
	1/30/08		17.65	10.99

**TABLE ONE**  
**Groundwater Elevation Data**  
**Yee Property**  
**726 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
<b>MW-4</b>	12/15/98	32.53*	17.59	14.94
	3/4/99		15.88	16.65
	6/17/99		17.14	15.39
	8/27/99		17.65	14.88
	12/9/99		18.28	14.25
	3/7/00		15.41	17.12
	6/7/00		17.09	15.44
	10/11/00		18.33	14.20
	1/18/01		18.23	14.30
	4/5/01		16.69	15.84
	7/17/01		17.32	15.21
	10/5/01	29.58	17.71	11.87
	1/18/02		15.85	13.73
	4/11/02		16.14	13.44
	7/8/02		16.56	13.02
	10/9/02		17.09	12.49
	1/29/03		16.65	12.93
	4/11/03		16.93	12.65
	7/18/03		16.78	12.80
	10/9/03		17.26	12.32
	1/28/04		16.38	13.20
	4/7/04		15.64	13.94
	7/23/04		16.58	13.00
	10/12/04		Inaccessible	
	1/29/05		14.90	14.68
	4/28/05		15.18	14.40
	7/19/05		16.48	13.10
	10/18/05		16.99	12.59
	1/23/06		15.09	14.49
	4/12/06		13.49	16.09
	7/10/06		14.99	14.59
	10/16/06		17.29	12.29
	1/26/07		18.17	11.41
	4/18/07		18.06	11.52
	8/2/07		18.45	11.13
	10/23/07		18.99	10.59
	<b>1/30/08</b>		<b>18.14</b>	<b>11.44</b>

**TABLE ONE**  
**Groundwater Elevation Data**  
**Yee Property**  
**726 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-5	8/29/01	29.06	17.42	11.64
	1/18/02		15.68	13.38
	4/11/02		16.17	12.89
	7/18/02		16.51	12.55
	10/9/02		17.10	11.96
	1/29/03		16.58	12.48
	4/11/03		16.87	12.19
	7/18/03		16.77	12.29
	10/9/03		17.21	11.85
	1/28/04		16.34	12.72
	4/7/04		15.38	13.68
	7/23/04		16.55	12.51
	10/12/04		17.02	12.04
	1/29/05		15.23	13.83
	4/28/05		15.41	13.65
	7/19/05		16.79	12.27
	10/18/05		17.28	11.78
	1/23/06		15.28	13.78
	4/12/06		13.66	15.40
	7/10/06		16.14	12.92
	10/16/06		19.33	9.73
	1/26/07		18.94	10.12
	4/18/07		18.21	10.85
	8/2/07		19.00	10.06
	10/23/07		19.15	9.91
	1/30/08		18.21	10.85

\* Top of casing elevation relative to arbitrary project datum

**TABLE TWO**  
**Groundwater Elevation Data**  
**Former ARCO Station**  
**706 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
<b>MW-1</b>	7/18/03	29.15	14.50	14.65
	10/9/03	26.17	13.81	12.36
	1/28/04		13.09	13.08
	4/7/04		14.97	11.20
	7/23/04		14.15	12.02
	10/12/04		16.30	9.87
	4/27/05		13.35	12.82
	7/19/05		14.68	11.49
	10/18/05		15.15	11.02
	1/23/06		13.27	12.90
	4/12/06		12.33	13.84
	7/10/06		14.93	11.24
	10/16/06		16.51	9.66
	1/26/07		16.87	9.30
	4/18/07		16.77	9.40
	8/2/07		17.21	8.96
	10/23/07		17.67	8.50
	<b>1/30/08</b>		<b>16.66</b>	<b>9.51</b>
<b>MW-2</b>	7/18/03	30.51	16.84	13.67
	10/9/03	27.53	16.05	11.48
	1/28/04		15.39	12.14
	4/7/04		16.01	11.52
	7/23/04		15.30	12.23
	10/12/04		17.87	9.66
	4/27/05		14.63	12.90
	7/19/05		15.60	11.93
	10/18/05		16.08	11.45
	1/23/06		14.20	13.33
	4/12/06		12.51	15.02
	7/10/06		14.76	12.77
	10/16/06		16.74	10.79
	1/26/07		17.10	10.43
	4/18/07		17.02	10.51
	8/2/07		17.47	10.06
	10/23/07		17.94	9.59
	<b>1/30/08</b>		<b>16.99</b>	<b>10.54</b>
<b>MW-3</b>	7/18/03	29.77	14.80	14.97
	10/9/03	26.79	14.13	12.66
	1/28/04		13.47	13.32
	4/7/04		15.41	11.38
	7/23/04		14.54	12.25
	10/12/04		16.58	10.21
	4/27/05		13.68	13.11
	7/19/05		15.15	11.64
	10/18/05		15.60	11.19
	1/23/06		11.94	14.85
	4/12/06		11.94	14.85
	7/10/06		14.48	12.31
	10/16/06		16.19	10.60
	1/26/07		16.56	10.23
	4/18/07		16.45	10.34
	8/2/07		16.92	9.87
	10/23/07		17.42	9.37
	<b>1/30/08</b>		<b>16.45</b>	<b>10.34</b>

**TABLE TWO**  
**Groundwater Elevation Data**  
**Former ARCO Station**  
**706 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
<b>MW-4</b>	7/18/03	31.18	17.08	14.10
	10/9/03	28.20	16.25	11.95
	1/28/04		15.65	12.55
	4/7/04		16.49	11.71
	7/23/04		15.86	12.34
	10/12/04		18.05	10.15
	4/27/05		14.20	14.00
	7/19/05		16.08	12.12
	10/18/05		16.55	11.65
	1/23/06		14.66	13.54
	4/12/06		12.92	15.28
	7/10/06		15.38	12.82
	10/16/06		17.21	10.99
	1/26/07		17.58	10.62
	4/18/07		17.46	10.74
	8/2/07		17.95	10.25
	10/23/07		18.41	9.79
	<b>1/30/08</b>	<b>17.49</b>	<b>10.71</b>	
<b>MW-5</b>	7/18/03	28.04	14.28	13.76
	10/9/03	25.07	13.36	11.71
	1/28/04		12.68	12.39
	4/7/04		14.71	10.36
	7/23/04		13.49	11.58
	10/12/04		15.88	9.19
	4/27/05		13.40	11.67
	7/19/05		14.21	10.86
	10/18/05		14.79	10.28
	1/23/06		13.12	11.95
	4/12/06		11.39	13.68
	7/10/06		14.40	10.67
	10/16/06		15.44	9.63
	1/26/07		15.76	9.31
	4/18/07		15.61	9.46
	8/2/07		16.04	9.03
	10/23/07		16.89	8.18
	<b>1/30/08</b>	<b>15.61</b>	<b>9.46</b>	
<b>MW-6</b>	7/18/03	29.10	15.47	13.63
	10/9/03	26.13	14.73	11.40
	1/28/04		14.05	12.08
	4/7/04		14.41	11.72
	7/23/04		15.15	10.98
	10/12/04		17.27	8.86
	4/27/05		14.10	12.03
	7/19/05		15.18	10.95
	10/18/05		15.65	10.48
	1/23/06		14.02	12.11
	4/12/06		12.66	13.47
	7/10/06		14.64	11.49
	10/16/06		16.50	9.63
	1/26/07		16.83	9.30
	4/18/07		16.72	9.41
	8/2/07		17.13	9.00
	10/23/07		17.71	8.42
	<b>1/30/08</b>	<b>16.54</b>	<b>9.59</b>	

**TABLE TWO**  
**Groundwater Elevation Data**  
**Former ARCO Station**  
**706 Harrison St., Oakland, CA**

Well ID	Date of Measurement	Top of Casing Elevation* (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-7	7/18/03		15.19	14.48
	10/9/03	26.70	14.45	12.25
	1/28/04		13.88	12.82
	4/7/04		15.71	10.99
	7/23/04		14.85	11.85
	10/12/04		16.90	9.80
	4/27/05		13.75	12.95
	7/19/05		14.91	11.79
	10/18/05		15.40	11.30
	1/23/06		13.99	12.71
	4/12/06		12.32	14.38
	7/10/06		14.31	12.39
	10/16/06		16.23	10.47
	1/26/07		16.61	10.09
	4/18/07		16.54	10.16
	8/2/07		16.93	9.77
	10/23/07		17.36	9.34
	1/30/08		<b>16.36</b>	<b>10.34</b>

**TABLE THREE**  
**Summary of Analytical Results for GROUNDWATER Samples**  
**Yee Property**  
**726 Harrison St., Oakland, CA**  
**All results are in parts per billion (ppb)**

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
<b>MW-1</b>						
7/3/97	18,000	2,700	350	450	900	7,400
12/5/98	18,000	1,500	270	260	560	14,000
3/4/99	44,000	2,800	400	440	960	43,000
6/17/99	33,000	2,200	250	460	660	25,000
8/27/99	6,000	1,000	97	190	230	14,000/ 16,000*
12/9/99	15,000	1,500	160	220	420	17,000
3/7/00	9,300	1,500	210	66	530	12,000
6/7/00	26,000**	1,700	< 250	360	580	30,000
10/11/00	13,000**	1,600	< 100	140	160	19,000
1/18/01	14,000**	450	< 100	110	230	9,600
4/5/01	38,000	2,200	180	290	590	35,000
7/17/01	35,000**	1,800	< 100	300	170	35,000
10/5/01	17,000	1,500	210	420	790	27,000
1/18/02	18,000	1,500	120	160	220	22,000
4/11/02	41,000	2,700	210	340	380	30,000
7/8/02	36,000	2,800	140	360	300	31,000
10/9/02	30,000	1,700	310	< 100	< 100	19,000
1/29/03	26,000	2,400	< 100	310	520	20,000
4/11/03	22,000	1,700	< 100	270	580	16,000
7/18/03	40,000	3,200	290	480	830	39,000
10/9/03	54,000**	3,300	< 130	350	310	49,000
1/28/04	26,000***	3,000	310	420	800	31,000
4/7/04	33,000***	2,800	130	310	310	39,000
7/23/04	56,000***	4,500	< 250	390	< 500	53,000
10/12/04	25,000***	1,400	< 250	< 250	< 500	25,000
1/29/05	24,000	1,600	< 100	160	< 200	19,000
4/28/05	< 10,000	2,000	< 100	160	100	34,000
7/19/05	37,000	2,100	83	210	230	28,000
10/18/05	37,000	1,300	< 250	< 250	< 250	23,000
1/24/06	23,000	780	< 100	160	260	11,000
4/12/06	11,000	1,500	87	360	670	17,000
7/10/06	72,000	4,700	< 250	350	< 500	66,000
10/16/06	26,000	1,600	< 250	330	< 500	22,000
1/26/07	7,200	1,500	< 70	140	96	34,000
4/18/07	5,400	1,100	< 50	200	120	21,000
8/2/07	6,600	1,500	64	240	190	32,000
10/23/07	5,900	1,300	52	200	180	28,000
1/30/08	2,700	300	21	64	90	5,200

**TABLE THREE**  
**Summary of Analytical Results for GROUNDWATER Samples**  
**Yee Property**  
**726 Harrison St., Oakland, CA**  
**All results are in parts per billion (ppb)**

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
<b>MW-2</b>						
12/5/98	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
3/4/99	Inaccessible due to car parked over well					
6/17/99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
8/27/99	Inaccessible due to car parked over well					
12/9/99	Inaccessible due to car parked over well					
3/7/00	Inaccessible due to car parked over well					
6/7/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
10/11/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
1/18/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
4/5/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
7/17/01	No longer sampled					
7/10/06	< 50	< 0.50	< 0.50	< 0.50	< 1.0	4.5
10/16/07	< 50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.5
1/26/07	< 50	0.55	1.0	< 0.50	1.4	0.97
4/18/07	< 50	1.5	2.6	0.93	3.2	0.64
8/2/07	< 50	< 0.50	< 0.50	< 0.50	< 0.50	2.2
10/23/07				Inaccessible - Not Sampled		
1/30/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	300

**TABLE THREE**  
**Summary of Analytical Results for GROUNDWATER Samples**  
**Yee Property**  
**726 Harrison St., Oakland, CA**  
**All results are in parts per billion (ppb)**

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
<b>MW-3</b>						
12/5/98	6,500	< 50	50	60	502	3,900
3/4/99	2,800	< 25	< 25	< 25	< 25	1,600
6/17/99	1,000	< 10	< 10	< 10	< 10	1,400
8/27/99	230	< 0.5	0.51	0.5	1	1,500/ 1,600*
12/9/99	870**	< 0.5	< 0.5	< 0.5	< 0.5	2,100
3/7/00	150**	4	< 0.5	< 0.5	< 0.5	830
6/7/00	140**	< 0.5	< 0.5	< 0.5	< 0.5	1,100
10/11/00	620**	< 5.0	< 5.0	< 5.0	< 5.0	1,500
1/18/01	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	1,000
4/5/01	1,700**	< 5.0	< 5.0	< 5.0	< 5.0	1,900
7/17/01	1,400**	< 10	< 10	< 10	< 10	1,700
10/5/01	< 1,000	< 10	< 10	< 10	< 10	1,700
1/18/02	1,600	26	20	16	54	2,100
4/11/02	2,600	21	16	< 10	21	2,300
7/18/02	2,800	< 10	< 10	< 10	< 10	3,800
10/9/02	6,000	< 50	< 50	< 50	< 50	4,900
1/29/03	1,800	< 10	< 10	< 10	< 10	2,300
4/11/03	2,900	< 25	< 25	< 25	< 25	3,100
7/18/03	3,400	< 10	< 10	< 10	< 10	3,200
10/9/03	2,300	< 10	< 10	< 10	< 10	2,700
1/28/03	1,700**	< 10	< 10	< 10	< 10	2,900
4/17/04	2,700**	< 10	< 10	< 10	< 20	3,600
7/23/04	4,200**	< 25	< 25	< 25	< 50	4,900
10/12/04	5,000**	< 50	< 50	< 50	< 100	5,900
1/29/05	< 1,000	< 10	< 10	< 10	< 20	3,100
4/28/05	< 200	< 2.0	< 2.0	< 2.0	< 2.0	1,300
7/19/05	4,400	< 20	< 20	< 20	< 40	3,000
10/18/05	18,000	< 50	< 50	< 50	< 50	6,800
1/24/06	17,000	< 100	< 100	< 100	< 200	7,000
4/12/06	< 200	< 2.0	< 2.0	< 2.0	< 2.0	7,800
7/10/06	11,000	< 100	< 100	< 100	< 200	12,000
10/16/06	< 10,000	< 100	< 100	< 100	< 100	17,000
1/26/07	< 200	< 2.0	< 2.0	< 2.0	< 2.0	4,000
4/18/07	< 900	< 9.0	< 9.0	< 9.0	< 9.0	11,000
8/12/07	110	< 0.80	< 0.80	< 0.80	2.0	410
10/23/07	< 80	< 0.80	< 0.80	< 0.80	< 0.80	480
1/30/08	< 80	< 0.80	< 0.80	< 0.80	< 0.80	430

**TABLE THREE**  
**Summary of Analytical Results for GROUNDWATER Samples**  
**Yee Property**  
**726 Harrison St., Oakland, CA**  
**All results are in parts per billion (ppb)**

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
<b>MW-4</b>						
12/5/98	880	3	< 0.5	< 0.5	< 0.5	950
3/4/99	3,800	< 25	< 25	< 25	< 25	3,700
6/17/99	2,700	< 25	< 25	< 25	< 25	2,700
8/27/99	440	4.7	1.1	0.58	1.3	1,600/ 1,700*
12/9/99	1,100**	< 2.5	< 2.5	< 2.5	< 2.5	1,700
3/7/00	< 250	< 2.5	< 2.5	< 2.5	< 2.5	1,700
6/7/00	530**	8.8	< 2.5	< 2.5	< 2.5	440
10/11/00	700**	3.9	< 2.5	< 2.5	< 2.5	680
1/18/01	2,000**	< 2.5	< 2.5	< 2.5	< 2.5	780
4/5/01	810**	< 2.5	< 2.5	< 2.5	< 2.5	620
7/17/01	880**	< 2.5	< 2.5	< 2.5	< 2.5	570
10/5/01	550**	< 2.5	< 2.5	< 2.5	< 2.5	710
1/18/02	960**	< 5.0	< 5.0	< 5.0	< 5.0	1,300
4/11/02	1,100**	< 5.0	< 5.0	< 5.0	< 5.0	550
7/8/02	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	890
10/9/02	1,300**	< 5.0	< 5.0	< 5.0	< 5.0	880
1/29/03	530**	< 1.0	< 1.0	< 1.0	< 1.0	190
4/11/03	690**	< 2.5	< 2.5	< 2.5	< 2.5	310
7/18/03	1,600**	< 10	< 10	< 10	< 10	1,300
10/9/03	1500***	< 10	< 10	< 10	< 10	1,400
1/28/04	1,200**	< 10	< 10	< 10	< 10	1,900
4/7/04	1,900**	< 10	< 10	< 10	< 20	2,200
7/23/04	1,800**	< 10	< 10	< 10	< 20	1,600
10/12/04	Inaccessible due to car parked over well					
1/29/05	< 1,300	< 13	< 13	< 13	< 25	3,900
4/28/05	510	< 1.5	< 1.5	< 1.5	< 1.5	510
7/19/05	5,400	< 50	< 50	< 50	< 100	2,700
10/18/05	10,000	< 50	< 50	< 50	< 50	9,000
1/24/06	10,000	< 100	< 100	< 100	< 200	8,300
4/12/06	1,900	< 10	< 10	< 10	< 20	2,200
7/10/06	750	5.4	< 5.0	< 5.0	< 10	790
10/16/06	2,400	< 10	< 10	< 10	< 10	2,200
1/26/07	250	< 1.5	< 1.5	< 1.5	< 1.5	7,000
4/18/07	< 400	< 4.0	< 4.0	< 4.0	< 4.0	2,300
8/2/07	400	< 4.0	< 4.0	< 4.0	< 4.0	4,500
10/23/07	< 500	< 5.0	< 5.0	< 5.0	< 5.0	3,400
1/30/08	580	89	1.5	< 0.90	2.5	500

**TABLE THREE**  
**Summary of Analytical Results for GROUNDWATER Samples**  
**Yee Property**  
**726 Harrison St., Oakland, CA**  
**All results are in parts per billion (ppb)**

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
<b>MW-5</b>						
8/29/01	14,000	1,300	470	230	800	14,000
1/18/02	24,000	3,200	1,300	390	1,500	5,700
4/11/02	23,000	2,700	980	38	950	4,300
7/18/02	19,000	3,300	25	360	1,100	2,100
10/9/02	24,000	2,800	990	360	820	2,400
1/29/03	17,000	2,100	1,400	380	1,400	< 250
4/11/03	26,000	2,900	2,200	590	2,200	630
7/18/03	26,000	3,500	1,700	480	1,300	1,300
10/9/03	27,000	3,800	1,900	510	1,700	1,200
1/28/04	29,000	4,800	2,900	770	2,300	3,300
4/7/04	23,000	4,400	2,700	720	2,200	1,700
7/23/04	29,000	5,200	2,200	810	1,400	2,200
10/12/04	26,000	4,300	2,000	670	1,300	2,200
7/18/03	8,200	650	77	99	140	4,300
10/9/03	5,700**	500	28	53	35	3,600
1/28/04	17,000***	1,600	90	250	280	9,700
4/7/04				No longer sampled		
1/24/06	21,000	1,800	1,200	270	820	13,000
7/10/06	45,000	3,700	2,600	650	1,800	23,000
10/16/06	66,000	4,200	3,300	800	2,100	35,000
1/26/07	30,000	3,200	2,600	610	2,400	38,000
4/18/07	30,000	4,300	3,300	800	2,600	27,000
8/2/07	26,000	3,700	2,800	690	1,900	32,000
10/23/07	34,000	4,400	3,700	860	3,200	34,000
1/30/08	28,000	3,900	2,800	750	2,300	26,000
<b>ESL</b>	<b>100</b>	<b>1</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>5</b>

Notes:

\* EPA Method 8020/EPA Method 8260 (MTBE confirmation)

\*\* Hydrocarbon reported in the gasoline range does not match the laboratory gasoline standard

\*\*\* Sample contains a discrete peak in addition to gasoline

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (November 2007)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Most current data is in **Bold**

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory method reporting limit.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **APPENDIX A**

### **Well Sampling Field Logs**

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME	YEE		
JOB NUMBER	3412	DATE OF SAMPLING	01.30.08
WELL ID.	MW-1	SAMPLER	DA
TOTAL DEPTH OF WELL	27.2	WELL DIAMETER	2
DEPTH TO WATER PRIOR TO PURGING	17.90		
PRODUCT THICKNESS	0		
DEPTH OF WELL CASING IN WATER	9.3		
NUMBER OF GALLONS PER WELL CASING VOLUME	1.5		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	4.5		
EQUIPMENT USED TO PURGE WELL	NEW DISP-SATBLE BAVER (NDB)		
TIME EVACUATION STARTED	0755	TIME EVACUATION COMPLETED	0805
TIME SAMPLES WERE COLLECTED	0807		
DID WELL GO DRY	NO	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	4.5		
SAMPLING DEVICE	NDB		
SAMPLE COLOR	dk grey	ODOR/SEDIMENT	mod. H2 Sulf / mod.

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY

### SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	3	40 ml vial	8260B	✓

WILL NEED DRUM FOR Q2 2008

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Yee

JOB NUMBER 3412

DATE OF SAMPLING 01.30.08

WELL ID. MW-2

SAMPLER DA

TOTAL DEPTH OF WELL 28.0

WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.63

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 9.37

NUMBER OF GALLONS PER WELL CASING VOLUME 1.5

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.5

EQUIPMENT USED TO PURGE WELL NDB

TIME EVACUATION STARTED 0830 TIME EVACUATION COMPLETED 0840

TIME SAMPLES WERE COLLECTED 0842

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED +5

SAMPLING DEVICE NDB

SAMPLE COLOR LT Brown ODOR/SEDIMENT WEAK / SLIGHT

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY

### SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME	9cc		
JOB NUMBER	3412	DATE OF SAMPLING	01.30.08
WELL ID.	MW-3	SAMPLER	DA
TOTAL DEPTH OF WELL	29.2	WELL DIAMETER	2
DEPTH TO WATER PRIOR TO PURGING	17.65		
PRODUCT THICKNESS	8		
DEPTH OF WELL CASING IN WATER	11.55		
NUMBER OF GALLONS PER WELL CASING VOLUME	1.8		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	5.4		
EQUIPMENT USED TO PURGE WELL	NDS		
TIME EVACUATION STARTED	0815	TIME EVACUATION COMPLETED	0822
TIME SAMPLES WERE COLLECTED	0825		
DID WELL GO DRY	NO	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	5.5		
SAMPLING DEVICE	NDS		
SAMPLE COLOR	LT GREEN	ODOR/SEDIMENT	TRACE HC / SLIGHT

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY

### SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	3	40 ml vial	8260 B	✓

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME	Yee		
JOB NUMBER	3412	DATE OF SAMPLING	01-30-08
WELL ID.	MW-4	SAMPLER	DT
TOTAL DEPTH OF WELL	29.7	WELL DIAMETER	24in 2
DEPTH TO WATER PRIOR TO PURGING	18.14		
PRODUCT THICKNESS	8		
DEPTH OF WELL CASING IN WATER	11.56		
NUMBER OF GALLONS PER WELL CASING VOLUME	1.8		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	5.4		
EQUIPMENT USED TO PURGE WELL	NDS		
TIME EVACUATION STARTED	0740	TIME EVACUATION COMPLETED	0750
TIME SAMPLES WERE COLLECTED	0752		
DID WELL GO DRY	NO	AFTER HOW MANY GALLONS	-
VOLUME OF GROUNDWATER PURGED	54		
SAMPLING DEVICE	NDS		
SAMPLE COLOR	LT GRAY	ODOR/SEDIMENT	SLIGHT H2

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY

### SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4	3	40 ml VOA	Analysed	✓

# AQUA SCIENCE ENGINEERS

## WELL SAMPLING FIELD LOG

PROJECT NAME Yee

JOB NUMBER 3412

DATE OF SAMPLING 01-30-08

WELL ID. MW-5

SAMPLER DA

TOTAL DEPTH OF WELL 28.5

WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.21

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.29

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.8

EQUIPMENT USED TO PURGE WELL NDB

TIME EVACUATION STARTED 08:55 TIME EVACUATION COMPLETED 09:03

TIME SAMPLES WERE COLLECTED 09:05

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE NDB

SAMPLE COLOR LT Gray ODOR/SEDIMENT mild H2 / Slight

### CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY

### SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-5</u>	<u>3</u>	<u>40 ml vst</u>	<u>8260B</u>	<u>r</u>



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - [www.aquascienceengineers.com](http://www.aquascienceengineers.com)

## **APPENDIX B**

Certified Analytical Report  
and  
Chain of Custody Documentation



Report Number : 60847

Date : 2/6/2008

David Allen  
Aqua Science Engineers, Inc.  
55 Oak Court, Suite 220  
Danville, CA 94526

Subject : 5 Water Samples  
Project Name : YEE PROPERTY  
Project Number : 3412

Dear Mr. Allen,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Report Number : 60847

Date : 2/6/2008

Subject : 5 Water Samples  
Project Name : YEE PROPERTY  
Project Number : 3412

## Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-5 for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.

Approved By:

A handwritten signature in black ink that reads "Joe Kiff". The signature is written over a horizontal line.



Report Number : 60847

Date : 2/6/2008

Project Name : YEE PROPERTY

Project Number : 3412

Sample : MW-1

Matrix : Water

Lab Number : 60847-01

Sample Date : 1/30/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	300	9.0	ug/L	EPA 8260B	2/2/2008
Toluene	21	9.0	ug/L	EPA 8260B	2/2/2008
Ethylbenzene	64	9.0	ug/L	EPA 8260B	2/2/2008
Total Xylenes	90	9.0	ug/L	EPA 8260B	2/2/2008
Methyl-t-butyl ether (MTBE)	5200	9.0	ug/L	EPA 8260B	2/2/2008
TPH as Gasoline	2700	900	ug/L	EPA 8260B	2/2/2008
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	2/2/2008
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/2/2008

Sample : MW-2

Matrix : Water

Lab Number : 60847-02

Sample Date : 1/30/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	300	0.50	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/1/2008

Approved By:

Joel Kiff



Report Number : 60847

Date : 2/6/2008

Project Name : YEE PROPERTY

Project Number : 3412

Sample : MW-3

Matrix : Water

Lab Number : 60847-03

Sample Date : 1/30/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.80	0.80	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.80	0.80	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.80	0.80	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.80	0.80	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	430	0.80	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 80	80	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	86.2		% Recovery	EPA 8260B	2/1/2008

Sample : MW-4

Matrix : Water

Lab Number : 60847-04

Sample Date : 1/30/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	89	0.90	ug/L	EPA 8260B	2/2/2008
Toluene	1.5	0.90	ug/L	EPA 8260B	2/2/2008
Ethylbenzene	< 0.90	0.90	ug/L	EPA 8260B	2/2/2008
Total Xylenes	2.5	0.90	ug/L	EPA 8260B	2/2/2008
Methyl-t-butyl ether (MTBE)	500	0.90	ug/L	EPA 8260B	2/2/2008
TPH as Gasoline	580	90	ug/L	EPA 8260B	2/2/2008
Toluene - d8 (Surr)	95.7		% Recovery	EPA 8260B	2/2/2008
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/2/2008

Approved By:

Joel Kiff



Report Number : 60847

Date : 2/6/2008

Project Name : YEE PROPERTY

Project Number : 3412

Sample : MW-5

Matrix : Water

Lab Number : 60847-05

Sample Date : 1/30/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	3900	90	ug/L	EPA 8260B	2/5/2008
Toluene	2800	90	ug/L	EPA 8260B	2/5/2008
Ethylbenzene	750	90	ug/L	EPA 8260B	2/5/2008
Total Xylenes	2300	90	ug/L	EPA 8260B	2/5/2008
Methyl-t-butyl ether (MTBE)	26000	90	ug/L	EPA 8260B	2/5/2008
TPH as Gasoline	28000	9000	ug/L	EPA 8260B	2/5/2008
Toluene - d8 (Surr)	95.8		% Recovery	EPA 8260B	2/5/2008
4-Bromofluorobenzene (Surr)	97.5		% Recovery	EPA 8260B	2/5/2008

Approved By:

Joel Kiff

Report Number : 60847

Date : 2/6/2008

**QC Report : Method Blank Data****Project Name : YEE PROPERTY****Project Number : 3412**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	99.2		%	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	98.3		%	EPA 8260B	2/1/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/5/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/5/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/5/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/5/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/5/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/5/2008
Toluene - d8 (Surr)	99.7		%	EPA 8260B	2/5/2008
4-Bromofluorobenzene (Surr)	96.2		%	EPA 8260B	2/5/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	98.6		%	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	2/1/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
-----------	----------------	------------------------	-------	-----------------	---------------

Approved By: Joel Kiff

**QC Report : Matrix Spike/ Matrix Spike Duplicate****Project Name : YEE PROPERTY****Project Number : 3412**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	60792-08	<0.50	39.8	39.5	39.0	38.4	ug/L	EPA 8260B	2/1/08	98.1	97.2	0.877	70-130	25
Toluene	60792-08	<0.50	39.8	39.5	39.0	38.2	ug/L	EPA 8260B	2/1/08	98.0	96.5	1.55	70-130	25
Tert-Butanol	60792-08	<5.0	199	198	189	206	ug/L	EPA 8260B	2/1/08	95.0	104	9.11	70-130	25
Methyl-t-Butyl Ether	60792-08	<0.50	39.8	39.5	39.0	39.6	ug/L	EPA 8260B	2/1/08	98.1	100	2.17	70-130	25
Benzene	60863-06	190	39.4	39.6	194	202	ug/L	EPA 8260B	2/5/08	6.15	27.1	126	70-130	25
Toluene	60863-06	1.8	39.4	39.6	39.1	39.5	ug/L	EPA 8260B	2/5/08	94.5	95.2	0.754	70-130	25
Tert-Butanol	60863-06	95	197	198	288	292	ug/L	EPA 8260B	2/5/08	98.1	99.8	1.66	70-130	25
Methyl-t-Butyl Ether	60863-06	<0.50	39.4	39.6	35.6	36.5	ug/L	EPA 8260B	2/5/08	90.3	92.1	2.00	70-130	25
Benzene	60845-06	<0.50	40.0	40.0	38.2	37.8	ug/L	EPA 8260B	2/1/08	95.6	94.5	1.19	70-130	25
Toluene	60845-06	<0.50	40.0	40.0	41.3	41.0	ug/L	EPA 8260B	2/1/08	103	102	0.866	70-130	25
Tert-Butanol	60845-06	<5.0	200	200	196	200	ug/L	EPA 8260B	2/1/08	97.8	100	2.42	70-130	25
Methyl-t-Butyl Ether	60845-06	<0.50	40.0	40.0	37.0	37.1	ug/L	EPA 8260B	2/1/08	92.6	92.7	0.202	70-130	25

Approved By: Joe Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 60847

Date : 2/6/2008

## QC Report : Laboratory Control Sample (LCS)

Project Name : YEE PROPERTY

Project Number : 3412

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/1/08	96.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/08	96.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/08	93.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/08	99.7	70-130
Benzene	40.0	ug/L	EPA 8260B	2/5/08	98.7	70-130
Toluene	40.0	ug/L	EPA 8260B	2/5/08	99.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/5/08	94.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/5/08	90.8	70-130
Benzene	40.0	ug/L	EPA 8260B	2/1/08	96.0	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/08	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/08	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/08	92.3	70-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Approved By:

Joe Kiff



Aqua Science Engineers, Inc.  
 208 W. El Pintado Road  
 Danville, CA 94526  
 (925) 820-9391  
 FAX (925) 837-4853

60047

# Chain of Custody

PAGE 1 of 1

SAMPLER (SIGNATURE) <i>D. Allen</i>				PROJECT NAME <u>YEE PROPERTY</u>				JOB NO. <u>3412</u>										
ANALYSIS REQUEST				ADDRESS <u>726 HARRISON STREET, OAKLAND, CA</u>														
SPECIAL INSTRUCTIONS:																		
SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTXE (EPA 5080-00-0020) <u>g 2.60 g</u>	TPH-DIESEL (EPA 3510/80-15)	CAM 17 METALS (EPA 6010-7000)	SEMI-VOLATILE ORGANICS (EPA 825/8270)	Pb (TOTAL or DISSOLVED) (EPA 8010)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8280)	PURGEABLE HALOCARBONS (EPA 601/8010)	TPH-GBTXE'S OXYS (EPA METHOD 8280)	MULTI-RANGE HYDROCARBONS WITH SILICA GEL CLEANUP (EPA 8015)	VOLATILE ORGANICS (EPA 824/8240/8260)	LUFT METALS (5) (EPA 6010-7000)	COMPOSITE 4:1	EDT
MW-1	01-30-08	0807	W	3	X												X	01
MW-2		) 0842	)	)	X												X	02
MW-3		) 0825	)	)	X												X	03
MW-4		) 0752	)	)	X												X	04
MW-5		) 0905	)	)	X												X	05
RELINQUISHED BY: <i>D. Allen</i> (signature)	RECEIVED BY:			RELINQUISHED BY:			RECEIVED BY LABORATORY:			COMMENT SAMPLE RECEIPT Temp °C <u>20.0</u> Therm. ID# <u>JRI</u> Initial <u>PMT</u> Date <u>01/31/08</u> Time <u>11:20</u> Coolant present <u>Yes</u> No <u>0</u>								
D. Allen 01-31-08 (printed name) (date)	(printed name)	(date)	(signature)	(time)	(signature)	(time)	(signature)	(time)	(signature)	(time)								
Company-ASE, INC.	Company-	Company-	Company-	Company-	Company-	Company-	Company- <i>Hobbs</i>	Company- <i>Hobbs</i>	Company- <i>Hobbs</i>	Company- <i>Hobbs</i>	STANDARD 24Hr 48Hr 72Hr	OTHER: <i>11:00</i>	<i>24hr 48hr 72hr</i>	<i>11:00</i>	<i>24hr 48hr 72hr</i>	<i>11:00</i>	<i>24hr 48hr 72hr</i>	