

RO 321



July 12, 2005

QUARTERLY GROUNDWATER MONITORING REPORT
APRIL 2005 GROUNDWATER SAMPLING
ASE JOB NO. 3412

at
Yee Property
726 Harrison Street
Oakland, CA 94602

Alameda County
AUG 19 2005
Environmental Health

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
208 W. El Pintado
Danville, CA 94526
(925) 820-9391

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)
208 W. El Pintado
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. Barney Chan
(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 April 2005 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.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On April 28, 2005, ASE measured the depth to groundwater in all five site monitoring wells 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 or sheen was observed in any site well. ASE generally coordinates this groundwater sampling with Cambria Environmental Technology, Inc., (Cambria), who is investigating the adjacent property, located at 706 Harrison Street, referred to in this report as the former ARCO station. However, due to cars parked over the Yee site's wells, ASE sampled one day later than Cambria. 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 potentiometric surface map uses only data from the Yee property for contouring, although the data from the former Acro is also plotted on this figure. The groundwater flow direction below the site is generally to the south-southwest at a gradient of 0.012-feet/foot.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On April 28, 2005, ASE collected groundwater samples from monitoring wells MW-1, MW-3, MW-4 and MW-5. With ACHCSA approval, quarterly groundwater sampling of MW-2 and extraction well EW-1 has been suspended. 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 all sampled monitoring wells. The parameters pH, temperature, and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. 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 Severn Trent Laboratories (STL) San Francisco of Pleasanton, California (ELAP #2496) under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A.

The well purge water was placed into a 55-gallon steel drum, labeled, and staged on-site for temporary storage until proper off-site disposal could be arranged.

The groundwater samples were analyzed by STL San Francisco 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. Previous analytical data for the former ARCO station is summarized in Table Four.

4.0 CONCLUSIONS

The results for MW-1 showed a slight increase in concentrations of benzene and MTBE, but a significant decrease in TPH-G concentrations this quarter.

The results for MW-3 and MW-4 showed a decrease in MTBE concentration this quarter.

The results for MW-5 showed an increase in TPH-G, total xylenes and MTBE concentrations, but a decrease in benzene, ethylbenzene and toluene concentrations from last quarter.

The TPH-G, BTEX and/or MTBE concentrations detected in groundwater samples collected from all wells sampled (except for MW-2) remain 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 July 2003.

5.0 RECOMMENDATIONS

ASE recommends continued groundwater monitoring on a quarterly basis. The next groundwater sampling is scheduled for July 2005.

Additionally, ASE has received approval from the ACHCSA for a workplan to conduct in-situ chemical oxidation of hydrocarbons in the soil and groundwater below the site. The property has recently been purchased, and the remediation work will begin upon authorization by the new owner.

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.

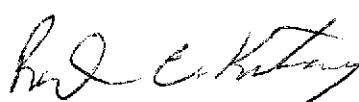
Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

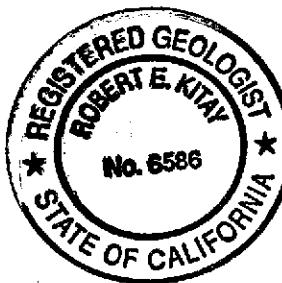
AQUA SCIENCE ENGINEERS, INC.



David Allen, R.E.A.
Senior Project Manager



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

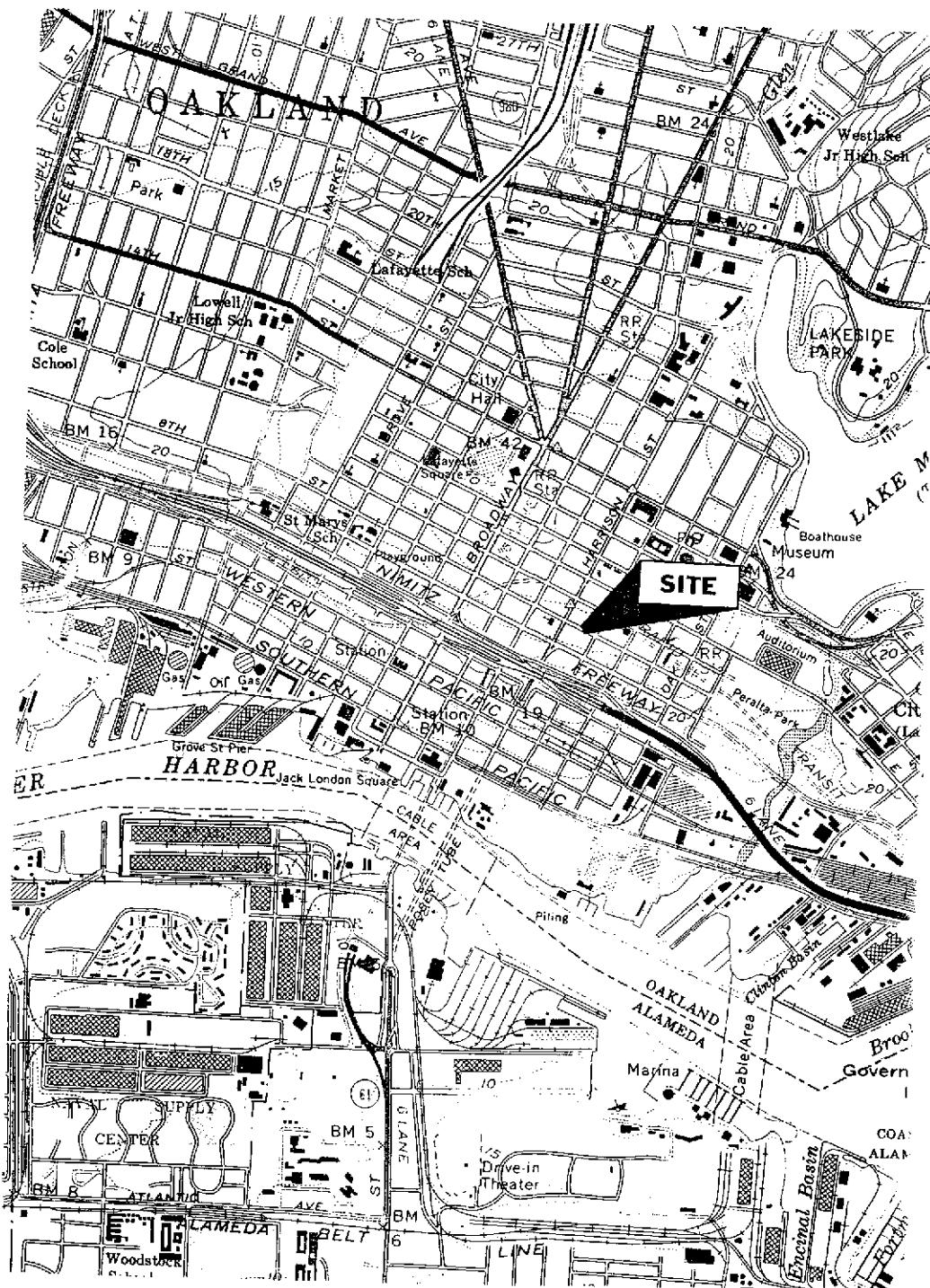


Attachments: Figures 1 and 2
Appendices A and B

cc: Mr. Barney Chan, Alameda County Health Care Services
Ms. Betty Graham, RWQCB, San Francisco Bay Region



NORTH



SITE LOCATION MAP

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

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Figure 1

8TH STREET



Unocal
MW-7

Unocal
MW-8

SCALE
1" = 30'

SUBJECT PROPERTY

Estimated
Groundwater
Flow Direction

14.3

MW-4
(14.40')

FORMER
USTS &
OVEREXCAVATION
BOUNDARY

BH-B

BH-A

BH-C

MW-1

EW-1

(13.99')

VE-1

BUILDING

13.7

ARCO
MW-4
(14.00')

ARCO
MW-2
(12.90')

ARCO
MW-1
(12.82')

ARCO
MW-3
(13.11')

ARCO
MW-2
(13.65')

ARCO
MW-5
(13.70')

ARCO
MW-1
(13.65')

FORMER
USTS/
OVEREXCAVATIONS

ARCO
MW-3
(13.11')

FORMER
ARCO
STATION

SIDEWALK

○
ARCO
MW-7
(12.95')

HARRISON STREET

7TH STREET

○
ARCO
MW-6
(12.03')

ARCO
MW-5
(11.67')

GROUNDWATER ELEVATION
CONTOUR MAP - 4/28/05

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

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Figure 2

LEGEND

Approx. Groundwater
Flow Direction

MW-1 ASE Monitoring Well

MW-1 Former ARCO Monitoring Well

(13.99') Groundwater elevation relative to MSL

/ Groundwater elevation contour

* Anomalous data - Not used for contouring

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 |

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 |
| | 7/8/02 | | 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 |

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-3 | 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 |

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-4 | 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 |

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 |
| | 7/8/02 | | 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 |
| EW-1 | 1/29/05 | | 15.23 | 13.83 |
| | 4/28/05 | | 15.41 | 13.65 |
| EW-1 | 1/18/02 | 28.89 | 15.35 | 13.54 |
| | 4/11/02 | | 15.73 | 13.16 |
| | 7/8/02 | | 16.13 | 12.76 |
| | 10/9/02 | | 16.70 | 12.19 |
| | 1/29/03 | | 16.20 | 12.69 |
| | 4/11/03 | | 16.52 | 12.37 |
| | 7/18/03 | | 16.38 | 12.51 |
| | 10/9/03 | | 16.84 | 12.05 |
| | 1/28/04 | | 15.94 | 12.95 |
| | 4/7/04 | | 15.02 | 13.87 |
| | 7/23/04 | | 16.01 | 12.88 |
| | 10/12/04 | | 16.46 | 12.43 |
| | 1/29/05 | | 14.91 | 13.98 |
| | 4/28/05 | Not measured | | |

* 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) |
|---------|---------------------|--|-----------------------|---|
| MW-1 | 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 |
| MW-2 | 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 |
| MW-3 | 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 |
| MW-4 | 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 |
| MW-5 | 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 |
| MW-6 | 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 |
| MW-7 | 7/18/03 | 29.67 | 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 |

* Survey data updated on 10/27/2003

TABLE THREE
 Summary of Analytical Results for GROUNDWATER Samples
 Yes 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 |
|-------------------------------|-----------|--|---------|-------------------|------------------|--------------------|
| MW-1 | | | | | | |
| 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 |
| MW-2 | | | | | | |
| 12/5/98 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5 |
| 3/4/99 | | Inaccessible due to car parked over well | | | | |
| 6/17/99 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5 |
| 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 | | | | |

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 |
|-------------------------------|----------|---------|---------|-------------------|------------------|------------------|
| MW-3 | | | | | | |
| 12/5/98 | 6,500*** | < 50 | 50 | 60 | 50 | 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 |
| 7/8/02 | 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 |
| 4/7/04 | 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 |

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 |
|-------------------------------|--|---------|---------|-------------------|------------------|------------------|
| MW-4 | | | | | | |
| 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 |
| MW-5 | | | | | | |
| 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 |
| 7/8/02 | 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 |
| 1/29/05 | 29,000 | 4,600 | 2,500 | 750 | 1,400 | 2,200 |
| 4/28/05 | 32,000 | 3,300 | 2,300 | 530 | 2,100 | 4,100 |

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 |
|-------------------------|-----------|---------|---------|-------------------|---------------|--------|
| EW-1 | | | | | | |
| 1/18/02 | 11,000 | 1,000 | < 100 | 220 | 350 | 6,700 |
| 4/11/02 | 17,000 | 1,000 | < 100 | 120 | 140 | 9,700 |
| 7/8/02 | 21,000 | 1,300 | < 100 | < 100 | 200 | 12,000 |
| 10/9/02 | 12,000 | 900 | < 25 | < 25 | 200 | 9,200 |
| 1/29/03 | 12,000 | 860 | 73 | 130 | 500 | 4,500 |
| 4/11/03 | 8,700 | 890 | < 25 | < 25 | 82 | 5,400 |
| 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 | | |
| ESL | 400 | 46 | 130 | 290 | 15 | 1,800 |

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 (July 2003)" 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.

TABLE FOUR
 Summary of Analytical Results for GROUNDWATER Samples
 Former ARCO Station
 706 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 |
|-------------------------|--------|---------|---------|---------------|---------------|-------------|
| MW-1 | | | | | | |
| 7/18/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 10/9/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 1/28/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 4/7/04 | 180 | 60 | 0.56 | 1.9 | < 0.5 | < 5.0 |
| 7/23/04 | 130 | 36 | < 0.5 | 0.65 | < 0.5 | < 5.0 |
| 10/12/04 | < 50 | 2.5 | 1.5 | < 0.5 | 0.86 | < 5.0 |
| 4/27/05 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| MW-2 | | | | | | |
| 7/18/03 | 57,000 | 2,100 | 8,700 | 2,200 | 10,000 | < 50* |
| 10/9/03 | 49,000 | 1,800 | 7,000 | 1,700 | 7,600 | < 1,500/26 |
| 1/28/04 | 550 | 21 | 33 | 3 | 61 | < 100 |
| 4/7/04 | 41,000 | 2,500 | 11,000 | 1,900 | 8,000 | < 2,000 |
| 7/23/04 | 81,000 | 2,000 | 12,000 | 2,500 | 12,000 | < 2,000 |
| 10/12/04 | 75,000 | 2,600 | 13,000 | 2,300 | 11,000 | < 1,300 |
| 4/27/05 | 61,000 | 2,800 | 11,000 | 1,600 | 7,000 | < 2,700 |
| MW-3 | | | | | | |
| 7/18/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 1/28/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 7/23/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| MW-4 | | | | | | |
| 7/18/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.74* |
| 10/9/03 | 210 | 5 | 0.57 | 1.6 | 1.1 | < 10/10 |
| 1/28/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 4/12/04 | 770 | 56 | 3.2 | 7.0 | 6.5 | 120/160 |
| 7/23/04 | 1100 | 130 | 11 | 17.0 | 17 | 730/800 |
| 10/12/04 | 150 | 0.86 | < 0.5 | < 0.5 | 0.97 | < 10 |
| 4/27/05 | 3,000 | 520 | 100 | 27 | 86 | 600/480 |
| MW-5 | | | | | | |
| 7/18/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 1/28/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 7/23/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| MW-6 | | | | | | |
| 7/18/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 1/28/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 7/23/04 | 3,300 | 1,300 | < 5.0 | 52 | 9.7 | < 50 |
| 4/27/05 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0/< 0.5 |

TABLE FOUR
Summary of Analytical Results for GROUNDWATER Samples
Former ARCO Station
706 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 |
|-------------------------------|-------|---------|---------|-------------------|------------------|-----------|
| MW-7 | | | | | | |
| 7/18/03 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 1/28/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0 |
| 7/23/04 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 130/120 |
| 4/27/05 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 5.0/1.3 |
| ESL | 400 | 46 | 130 | 290 | 13 | 1,800 |

Notes:

* Indicates EPA Method 8260

Concentrations separated by a "/" indicate results by both EPA Methods 8020/8260

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (July 2003)" 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.

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

| | | | |
|---|--------------|---------------------------|----------------|
| PROJECT NAME | CHAU / YEE | | |
| JOB NUMBER | 3412 | DATE OF SAMPLING | 04-28-05 |
| WELL ID. | 1 | SAMPLER | D.A |
| TOTAL DEPTH OF WELL | 27.2 | WELL DIAMETER | 2 |
| DEPTH TO WATER PRIOR TO PURGING | 14.99 | | |
| PRODUCT THICKNESS | 0 | | |
| DEPTH OF WELL CASING IN WATER | 12.21 | | |
| NUMBER OF GALLONS PER WELL CASING VOLUME | 1.95 | | |
| NUMBER OF WELL CASING VOLUMES TO BE REMOVED | 3 | | |
| REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING | 5.8 | | |
| EQUIPMENT USED TO PURGE WELL | DISP. BAILER | | |
| TIME EVACUATION STARTED | 0930 | TIME EVACUATION COMPLETED | 0950 |
| TIME SAMPLES WERE COLLECTED | 0955 | | |
| DID WELL GO DRY | NO | AFTER HOW MANY GALLONS | — |
| VOLUME OF GROUNDWATER PURGED | 6 | | |
| SAMPLING DEVICE | DISP. BAILER | | |
| SAMPLE COLOR | CREAM | ODOR/SEDIMENT | NONE / MOD. HC |

CHEMICAL DATA

| VOLUME PURGED | TEMPERATURE | PH | CONDUCTIVITY |
|---------------|-------------|------|--------------|
| 1 | 67.6 | 6.70 | 640 |
| 2 | 67.9 | 6.73 | 650 |
| 3 | 68.1 | 6.72 | 650 |

SAMPLES COLLECTED

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

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

| | | | |
|---|---------------------------|------------------|----------|
| PROJECT NAME | CHAN / YEE | | |
| JOB NUMBER | 3412 | DATE OF SAMPLING | 04.28.05 |
| WELL ID. | 2 | SAMPLER | DA |
| TOTAL DEPTH OF WELL | | WELL DIAMETER | 2 |
| DEPTH TO WATER PRIOR TO PURGING | 15.79 | | |
| PRODUCT THICKNESS | | | |
| DEPTH OF WELL CASING IN WATER | | | |
| NUMBER OF GALLONS PER WELL CASING VOLUME | | | |
| NUMBER OF WELL CASING VOLUMES TO BE REMOVED | | | |
| REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING | | | |
| EQUIPMENT USED TO PURGE WELL | | | |
| TIME EVACUATION STARTED | TIME EVACUATION COMPLETED | | |
| TIME SAMPLES WERE COLLECTED | | | |
| DID WELL GO DRY | AFTER HOW MANY GALLONS | | |
| VOLUME OF GROUNDWATER PURGED | | | |
| SAMPLING DEVICE | | | |
| SAMPLE COLOR | ODOR/SEDIMENT | | |

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 | CHAN / YEE | | |
| JOB NUMBER | 3412 | DATE OF SAMPLING | 10.28.05 |
| WELL ID. | MW-3 | SAMPLER | DA |
| TOTAL DEPTH OF WELL | 29.2 | WELL DIAMETER | 2 |
| DEPTH TO WATER PRIOR TO PURGING | 14.94 | | |
| PRODUCT THICKNESS | 0 | | |
| DEPTH OF WELL CASING IN WATER | 14.26 | | |
| NUMBER OF GALLONS PER WELL CASING VOLUME | 2.28 | | |
| NUMBER OF WELL CASING VOLUMES TO BE REMOVED | 3 | | |
| REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING | 6.8 | | |
| EQUIPMENT USED TO PURGE WELL | DISP. BAILER | | |
| TIME EVACUATION STARTED | 0830 | TIME EVACUATION COMPLETED | 0850 |
| TIME SAMPLES WERE COLLECTED | 0855 | | |
| DID WELL GO DRY | NO | AFTER HOW MANY GALLONS | — |
| VOLUME OF GROUNDWATER PURGED | 7 | | |
| SAMPLING DEVICE | DISP. BAILER | | |
| SAMPLE COLOR | CLEAR | ODOR/SEDIMENT | TRACE HC OODR |

CHEMICAL DATA

| VOLUME PURGED | TEMPERATURE | PH | CONDUCTIVITY |
|---------------|-------------|------|--------------|
| 1 | 66.9 | 6.82 | 580 |
| 2 | 67.9 | 6.78 | 572 |
| 3 | 68.3 | 6.80 | 574 |

SAMPLES COLLECTED

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

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

| | | | |
|---|--------------|---------------------------|-----------|
| PROJECT NAME | CHAN / YEE | | |
| JOB NUMBER | 3412 | DATE OF SAMPLING | 04-28-05 |
| WELL ID. | MW-4 | SAMPLER | DA |
| TOTAL DEPTH OF WELL | 29.7 | WELL DIAMETER | 2 |
| DEPTH TO WATER PRIOR TO PURGING | 15.18 | | |
| PRODUCT THICKNESS | 4 | | |
| DEPTH OF WELL CASING IN WATER | 14.52 | | |
| NUMBER OF GALLONS PER WELL CASING VOLUME | 2.32 | | |
| NUMBER OF WELL CASING VOLUMES TO BE REMOVED | 3 | | |
| REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING | 7 | | |
| EQUIPMENT USED TO PURGE WELL | DISP. BAILEY | | |
| TIME EVACUATION STARTED | 0810 | TIME EVACUATION COMPLETED | 0820 |
| TIME SAMPLES WERE COLLECTED | 0825 | | |
| DID WELL GO DRY | NO | AFTER HOW MANY GALLONS | — |
| VOLUME OF GROUNDWATER PURGED | 7 | | |
| SAMPLING DEVICE | DISP. BAILEY | | |
| SAMPLE COLOR | clear | ODOR/SEDIMENT | SLIGHT HC |

CHEMICAL DATA

| VOLUME PURGED | TEMPERATURE | PH | CONDUCTIVITY |
|---------------|-------------|------|--------------|
| 1 | 68.6 | 7.01 | 520 |
| 2 | 68.4 | 7.09 | 538 |
| 3 | 68.9 | 7.04 | 529 |

SAMPLES COLLECTED

| SAMPLE | # OF CONTAINERS | SIZE AND TYPE OF CONTAINER | ANALYSIS | PRESERVED |
|--------|-----------------|----------------------------|----------|-----------|
| MW-4 | 3 | 40 ml VOA | 8260 | ✓ |
| | | | | |
| | | | | |

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

| | | | |
|---|--------------|---------------------------|-----------|
| PROJECT NAME | CHAN / YEE | | |
| JOB NUMBER | 3412 | DATE OF SAMPLING | 04-28-05 |
| WELL ID. | MW-5 | SAMPLER | DA |
| TOTAL DEPTH OF WELL | 28.5 | WELL DIAMETER | 2 |
| DEPTH TO WATER PRIOR TO PURGING | 15.41 | | |
| PRODUCT THICKNESS | 0 | | |
| DEPTH OF WELL CASING IN WATER | 13.09 | | |
| NUMBER OF GALLONS PER WELL CASING VOLUME | 2.09 | | |
| NUMBER OF WELL CASING VOLUMES TO BE REMOVED | 3 | | |
| REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING | 6.28 | | |
| EQUIPMENT USED TO PURGE WELL | DISP. BAILER | | |
| TIME EVACUATION STARTED | 0730 | TIME EVACUATION COMPLETED | 0750 |
| TIME SAMPLES WERE COLLECTED | 0755 | | |
| DID WELL GO DRY | NO | AFTER HOW MANY GALLONS | — |
| VOLUME OF GROUNDWATER PURGED | 6.5 | | |
| SAMPLING DEVICE | DISP. BAILER | | |
| SAMPLE COLOR | CLEAR | ODOR/SEDIMENT | STRONG HC |

CHEMICAL DATA

| VOLUME PURGED | TEMPERATURE | PH | CONDUCTIVITY |
|---------------|-------------|------|--------------|
| 1 | 67.4 | 6.85 | 1050 |
| 2 | 67.8 | 6.90 | 1042 |
| 3 | 67.8 | 6.92 | 1040 |

SAMPLES COLLECTED

| SAMPLE | # OF CONTAINERS | SIZE AND TYPE OF CONTAINER | ANALYSIS | PRESERVED |
|--------|-----------------|----------------------------|----------|-----------|
| MW-5 | 3 | 40 ml VIAL | 8260 | ✓ |
| | | | | |
| | | | | |
| | | | | |

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation



Report Number : 43508

Date : 5/3/2005

David Allen
Aqua Science Engineers, Inc.
208 West El Pintado Rd.
Danville, CA 94526

Subject : 4 Water Samples
Project Name : YEE
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 "Jbel Kiff".

Jbel Kiff



Report Number : 43508

Date : 5/3/2005

Project Name : YEE

Project Number : 3412

Sample : MW-1

Matrix : Water

Lab Number : 43508-01

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 2000 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | < 100 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | 160 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | 100 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 34000 | 1000 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | < 10000 | 10000 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 98.3 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 114 | | % Recovery | EPA 8260B | 5/3/2005 |

Sample : MW-3

Matrix : Water

Lab Number : 43508-02

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 1300 | 20 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | < 200 | 200 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 98.8 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 114 | | % Recovery | EPA 8260B | 5/3/2005 |

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 43508

Date : 5/3/2005

Project Name : YEE

Project Number : 3412

Sample : MW-4

Matrix : Water

Lab Number : 43508-03

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 510 | 20 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | 510 | 200 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 98.1 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 113 | | % Recovery | EPA 8260B | 5/3/2005 |

Sample : MW-5

Matrix : Water

Lab Number : 43508-04

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 3300 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | 2300 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | 530 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | 2100 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 4100 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | 32000 | 1000 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 99.0 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 113 | | % Recovery | EPA 8260B | 5/3/2005 |

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| | 4.00 | 0.00 | ug/L | EPA 8260B | 5/2/2005 |
|-----------------------------|--------|------|------|-----------|----------|
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/2/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/2/2005 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/2/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/2/2005 |
| Toluene - d8 (Surr) | 98.6 | % | | EPA 8260B | 5/2/2005 |
| 4-Bromofluorobenzene (Surr) | 117 | % | | EPA 8260B | 5/2/2005 |

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Report Number : 43508
Date : 5/3/2005

David Allen
Aqua Science Engineers, Inc.
208 West El Pintado Rd.
Danville, CA 94526

Subject : 4 Water Samples
Project Name : YEE
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 that reads "Joel Kiff".

Joel Kiff



Report Number : 43508

Date : 5/3/2005

Project Name : YEE

Project Number : 3412

Sample : MW-1

Matrix : Water

Lab Number : 43508-01

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 2000 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | < 100 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | 160 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | 100 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 34000 | 1000 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | < 10000 | 10000 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 98.3 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 114 | | % Recovery | EPA 8260B | 5/3/2005 |

Sample : MW-3

Matrix : Water

Lab Number : 43508-02

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | < 2.0 | 2.0 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 1300 | 20 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | < 200 | 200 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 98.8 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 114 | | % Recovery | EPA 8260B | 5/3/2005 |

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Report Number : 43508

Date : 5/3/2005

Project Name : YEE

Project Number : 3412

Sample : MW-4

Matrix : Water

Lab Number : 43508-03

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | < 1.5 | 1.5 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 510 | 20 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | 510 | 200 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 98.1 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 113 | | % Recovery | EPA 8260B | 5/3/2005 |

Sample : MW-5

Matrix : Water

Lab Number : 43508-04

Sample Date : 4/28/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|-----------------------------|----------------|------------------------|------------|-----------------|---------------|
| Benzene | 3300 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene | 2300 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Ethylbenzene | 530 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Total Xylenes | 2100 | 10 | ug/L | EPA 8260B | 5/3/2005 |
| Methyl-t-butyl ether (MTBE) | 4100 | 100 | ug/L | EPA 8260B | 5/3/2005 |
| TPH as Gasoline | 32000 | 1000 | ug/L | EPA 8260B | 5/3/2005 |
| Toluene - d8 (Surr) | 99.0 | | % Recovery | EPA 8260B | 5/3/2005 |
| 4-Bromofluorobenzene (Surr) | 113 | | % Recovery | EPA 8260B | 5/3/2005 |

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Joel Kiff

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QC Report : Method Blank DataProject Name : **YEE**Project Number : **3412**

Report Number : 43508

Date : 5/3/2005

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|----------------------------------|----------------|------------------------|-------|-----------------|---------------|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/2/2005 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/2/2005 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/2/2005 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 5/2/2005 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 5/2/2005 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 5/2/2005 |
| Toluene - d8 (Surrogate) | 98.6 | % | | EPA 8260B | 5/2/2005 |
| 4-Bromofluorobenzene (Surrogate) | 117 | % | | EPA 8260B | 5/2/2005 |

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

KIFF ANALYTICAL, LLC

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Approved By: Joe Kiff



QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 43508

Date : 5/3/2005

Project Name : **YEE**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. | Spiked Sample Relative Percent Diff. | Spiked Sample Percent Recov. Limit | Relative Percent Diff. Limit |
|----------------------|---------------|--------------|-------------|------------------|---------------------|-------------------------------|-------|-----------------|---------------|------------------------------|--|--------------------------------------|------------------------------------|------------------------------|
| | | | | | | | | | | Percent Recov. | Percent Recov. | Percent Diff. | Percent Recov. Limit | Percent Diff. Limit |
| Benzene | 43510-05 | <0.50 | 40.0 | 40.0 | 36.7 | 36.1 | ug/L | EPA 8260B | 5/2/05 | 91.7 | 90.2 | 1.62 | 70-130 | 25 |
| Toluene | 43510-05 | <0.50 | 40.0 | 40.0 | 38.5 | 37.8 | ug/L | EPA 8260B | 5/2/05 | 96.3 | 94.5 | 1.86 | 70-130 | 25 |
| Tert-Butanol | 43510-05 | <5.0 | 200 | 200 | 194 | 198 | ug/L | EPA 8260B | 5/2/05 | 96.8 | 99.3 | 2.57 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 43510-05 | <0.50 | 40.0 | 40.0 | 35.6 | 34.8 | ug/L | EPA 8260B | 5/2/05 | 89.0 | 87.1 | 2.19 | 70-130 | 25 |

KIFF ANALYTICAL, LLC

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Approved By: Joe Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number : 43508

Date : 5/3/2005

Project Name : **YEE**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 | 5/2/05 | 87.8 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 5/2/05 | 92.9 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 5/2/05 | 95.7 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 5/2/05 | 89.8 | 70-130 |

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Approved By:

Joel Kiff



