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aqua science engineers inc.

October 24, 2005

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

at
Yee Property
726 Harrison Street
Oakland, CA 94602

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
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Danville, CA 94526
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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 July 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 July 19, 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 coordinated 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. 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 at a gradient 0.01 feet/foot.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On July 19, 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 significant increase in concentrations of TPH-G, and a slight decrease in concentrations of MTBE.
- The results for MW-3 and MW-4 showed significant increase in TPH-G and MTBE concentrations.
- The results for MW-5 showed a slight increase in TPH-G, benzene and MTBE concentrations.

- Otherwise, all other concentrations of chemicals remained relatively unchanged in relation to the previous quarters results.

The following groundwater sample concentrations 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 February 2005

- Monitoring wells MW-1, MW-3, MW-4, and MW-5 contained concentrations of TPH-G and MTBE in excess of the ESLs.
- Monitoring well MW-1 contained concentrations of benzene in excess of the ESL.
- Monitoring well MW-5 contained concentrations of benzene, ethyl benzene, toluene and xylene in excess of the ESLs.

5.0 RECOMMENDATIONS

ASE recommends continued groundwater monitoring on a quarterly basis. The next groundwater sampling is scheduled for October 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 Rains
Project Geologist

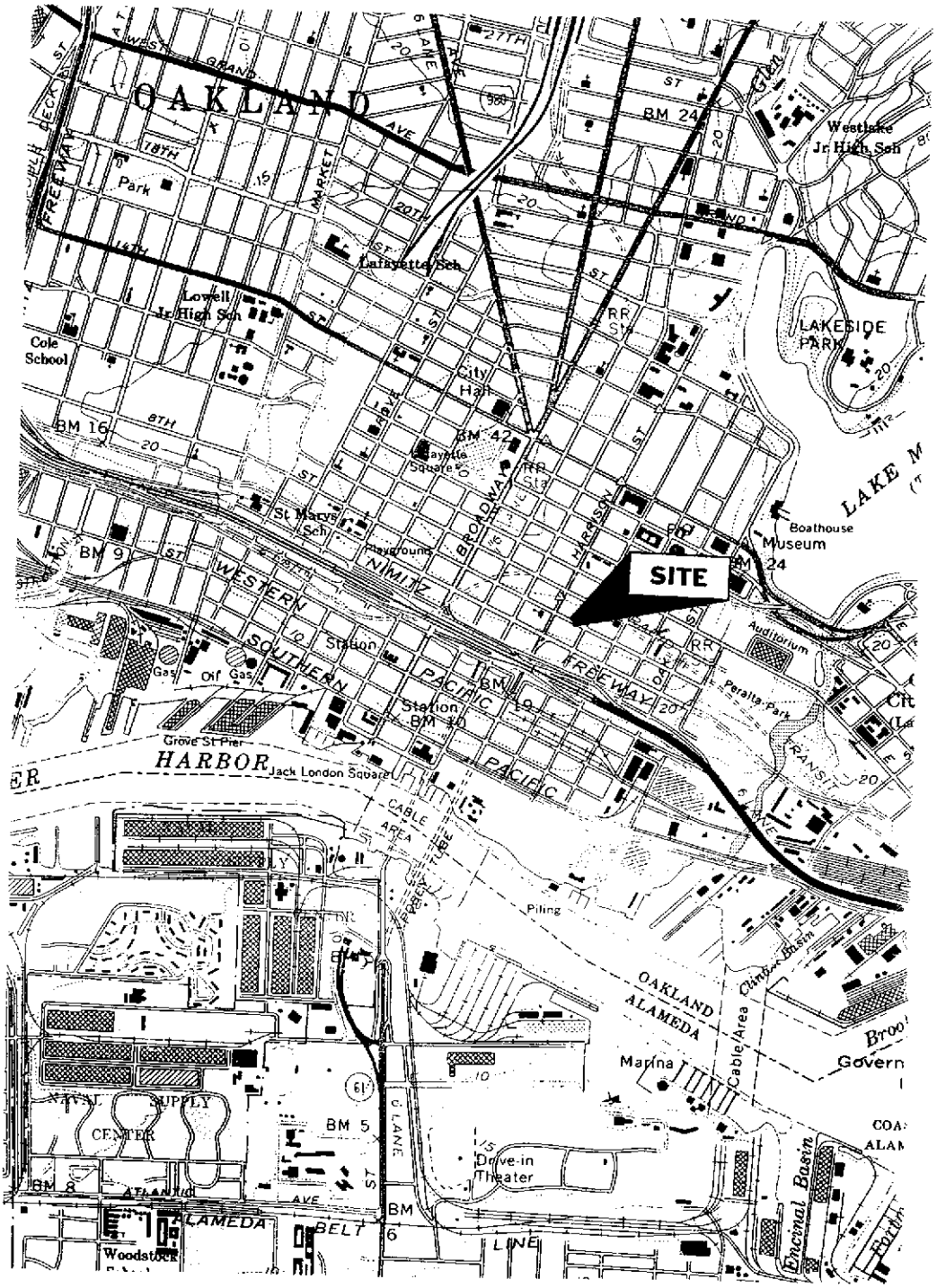
REGISTERED GEOLOGIST
ROBERT E. KITAY
No. 6586
STATE OF CALIFORNIA

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

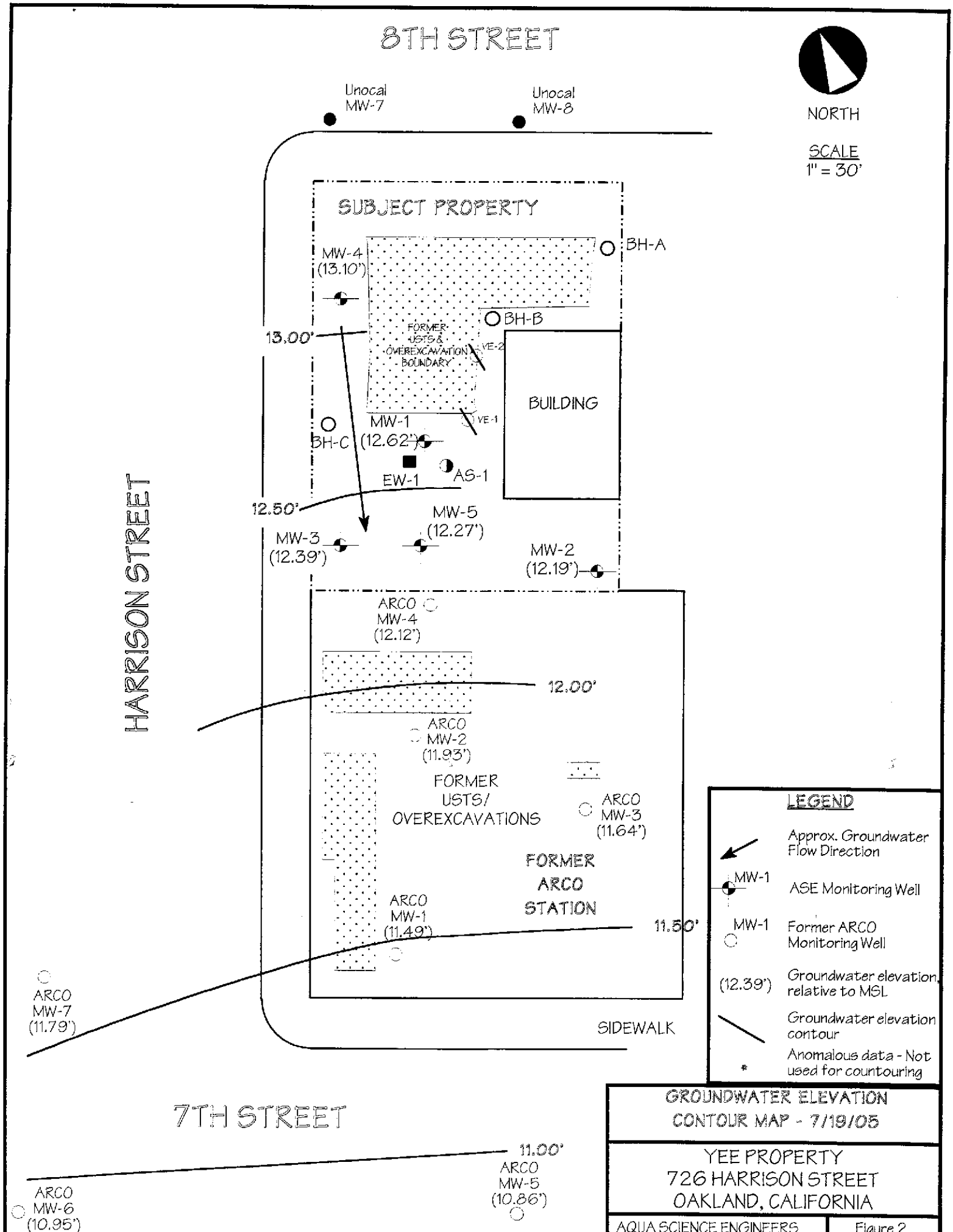
NORTH



SITE LOCATION MAP

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 1



GROUNDWATER ELEVATION CONTOUR MAP - 7/19/05

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2

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**

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
	7/19/05		**17.25**	**12.19**

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
	7/19/05		**16.25**	**12.39**

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
	4/17/02		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**

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
	1/29/05		15.23	13.83
	4/28/05		15.41	13.65
	7/19/05		**16.79**	**12.27**

* 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
	7/19/05		**14.68**	**11.49**
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
	7/19/05		**15.60**	**11.93**
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
	7/19/05		**15.15**	**11.64**
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
	7/19/05		**16.08**	**12.12**

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-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
	7/19/05		**14.21**	**10.86**
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
	7/19/05		**15.18**	**10.95**
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
	7/19/05		**14.91**	**11.79**

* Survey data updated on 10/27/2003

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-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
7/19/05	**37,000**	**2,100**	**83**	**210**	**230**	**28,000**

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-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			
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
7/19/05	**4,400**	**< 20**	**< 20**	**< 20**	**< 40**	**3,000**

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
7/19/05	**5,400**	**< 50**	**< 50**	**< 50**	**< 100**	**2,700**

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-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
7/19/05	**39,000**	**4,300**	**2,300**	**690**	**1,500**	**5,400**
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	13	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-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
7/19/05	**110**	**15**	**< 0.5**	**0.62**	**< 0.5**	**< 5.0**
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
7/19/05	**< 50**	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**65/66**
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.

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
7/19/05	**4,500**	**1400**	**6.5**	**160**	**58**	**630**
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
7/19/05	**90,000**	**3,700**	**14,000**	**2,600**	**10,000**	**<7,000**
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	790/800
10/12/04	150	0.86	<0.5	<0.5	0.97	<10
4/27/05	3,000	520	100	27	86	600/480
7/19/05	**1,800**	**310**	**16**	**36**	**25**	**1,000/1,100**

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Yee

JOB NUMBER 3412 DATE OF SAMPLING 7/19

WELL ID. MW-1 SAMPLER DA

TOTAL DEPTH OF WELL 27.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 16.36

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.84

NUMBER OF GALLONS PER WELL CASING VOLUME 1.73

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.20

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 0920 TIME EVACUATION COMPLETED 0930

TIME SAMPLES WERE COLLECTED 0935

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.5

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR CLEAR ODOR/SEDIMENT MOD HC/NONE

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	66.0	6.61	654
2	66.3	6.67	721
3	66.2	6.75	747

SAMPLES COLLECTED

EMPTY DRUM ON SITE

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

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 7/19

WELL ID. MW-3 SAMPLER DA

TOTAL DEPTH OF WELL 29.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 16.25

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 12.95

NUMBER OF GALLONS PER WELL CASING VOLUME 2.07

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.25

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 0825 TIME EVACUATION COMPLETED 0835

TIME SAMPLES WERE COLLECTED 0840

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6.25

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR BROWN / GRAY ODOR/SEDIMENT TRACE HC / NONE

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	65.8	6.63	293
2	65.2	6.58	512
3	65.7	6.55	562

SAMPLES COLLECTED

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

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME CHAN/YEE

JOB NUMBER 342 | DATE OF SAMPLING 7/19

WELL ID. MW-4 | SAMPLER DA

TOTAL DEPTH OF WELL 29.7 | WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 16.48

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 13.22

NUMBER OF GALLONS PER WELL CASING VOLUME 2.11

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.5

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 0805 | TIME EVACUATION COMPLETED 0812

TIME SAMPLES WERE COLLECTED 0815

DID WELL GO DRY NO | AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6.5

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR clear | ODOR/SEDIMENT MILD HC / NONE

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	66.7	6.76	896
2	66.5	6.63	734
3	66.8	6.64	662

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: YEE

JOB NUMBER: 3411 — DATE OF SAMPLING: 9/19

WELL ID.: MW-5 — SAMPLER: DA

TOTAL DEPTH OF WELL: 28.5 — WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 16.79

PRODUCT THICKNESS: ~~0~~

DEPTH OF WELL CASING IN WATER: 11.71

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.87

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 5.75

EQUIPMENT USED TO PURGE WELL: DISP. BAILER

TIME EVACUATION STARTED: 0852 — TIME EVACUATION COMPLETED: 0902

TIME SAMPLES WERE COLLECTED: 0905

DID WELL GO DRY: NO — AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 6

SAMPLING DEVICE: DISP. BAILER

SAMPLE COLOR: Clear — ODOR/SEDIMENT: STR/MOD. HC ODOR

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	65.6	6.55	1030
2	65.3	6.52	1028
3	65.1	6.63	1016

SAMPLES COLLECTED

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

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

SEVERN TRENT STL

Submission#: 2005-07-0558

Aqua Science Engineers, Inc.

July 31, 2005

208 West El Pintado Road
Danville, CA 94526

Attn.: Dave Allen

Project#: 3412
Project: YEE
Site: 726 Harrison St., Oakland

Dear Mr. Allen,

Attached is our report for your samples received on 07/20/2005 17:44
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/03/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu

Surinder Sidhu
Project Manager

SEVERN TRENT STL

Submission: 2005-07-0558

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	07/19/2005 09:35	Water	1
MW-3	07/19/2005 08:40	Water	2
MW-4	07/19/2005 08:15	Water	3
MW-5	07/19/2005 09:05	Water	4

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1**	Lab ID:	2005-07-0558 - 1
Sampled:	07/19/2005 09:35	Extracted:	7/28/2005 12:36 7/30/2005 21:28 7/30/2005 21:28
Matrix:	Water	QC Batch#:	2005/07/28-01.68 2005/07/30-01.65 2005/07/30-01.68

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	37000	5000	ug/L	100.00	07/28/2005 12:36	
Methyl tert-butyl ether (MTBE)	28000	130	ug/L	250.00	07/30/2005 21:28	
Benzene	2100	50	ug/L	100.00	07/28/2005 12:36	
Toluene	83	50	ug/L	100.00	07/28/2005 12:36	
Ethylbenzene	210	50	ug/L	100.00	07/28/2005 12:36	
Total xylenes	230	100	ug/L	100.00	07/28/2005 12:36	
Surrogate(s)						
1,2-Dichloroethane-d4	108.7	73-130	%	100.00	07/28/2005 12:36	
1,2-Dichloroethane-d4	109.9	73-130	%	250.00	07/30/2005 21:28	
Toluene-d8	105.2	81-114	%	100.00	07/28/2005 12:36	
Toluene-d8	94.5	81-114	%	100.00	07/30/2005 21:28	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 07/19/2005 08:40
Matrix: Water

Test(s): 8260B
Lab ID: 2005-07-0558 - 2
Extracted: 7/30/2005 09:27
QC Batch#: 2005/07/30-01.68

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4400	2000	ug/L	40.00	07/30/2005 09:27	Q6
Methyl tert-butyl ether (MTBE)	3000	20	ug/L	40.00	07/30/2005 09:27	
Benzene	ND	20	ug/L	40.00	07/30/2005 09:27	
Toluene	ND	20	ug/L	40.00	07/30/2005 09:27	
Ethylbenzene	ND	20	ug/L	40.00	07/30/2005 09:27	
Total xylenes	ND	40	ug/L	40.00	07/30/2005 09:27	
Surrogate(s)						
1,2-Dichloroethane-d4	106.9	73-130	%	40.00	07/30/2005 09:27	
Toluene-d8	99.3	81-114	%	40.00	07/30/2005 09:27	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Prep(s): 5030B
Sample ID: **MW-4**
Sampled: 07/19/2005 08:15
Matrix: Water

Test(s): 8260B
Lab ID: 2005-07-0558 - 3
Extracted: 7/29/2005 15:11
QC Batch#: 2005/07/29-01.68

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5400	5000	ug/L	100.00	07/29/2005 15:11	Q6
Methyl tert-butyl ether (MTBE)	2700	50	ug/L	100.00	07/29/2005 15:11	
Benzene	ND	50	ug/L	100.00	07/29/2005 15:11	
Toluene	ND	50	ug/L	100.00	07/29/2005 15:11	
Ethylbenzene	ND	50	ug/L	100.00	07/29/2005 15:11	
Total xylenes	ND	100	ug/L	100.00	07/29/2005 15:11	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	73-130	%	100.00	07/29/2005 15:11	
Toluene-d8	100.9	81-114	%	100.00	07/29/2005 15:11	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Prep(s): 5030B
Sample ID: **MW-5**
Sampled: 07/19/2005 09:05
Matrix: Water

Test(s): 8260B
Lab ID: 2005-07-0558 - 4
Extracted: 7/29/2005 15:37
QC Batch#: 2005/07/29-01.68

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	39000	5000	ug/L	100.00	07/29/2005 15:37	
Methyl tert-butyl ether (MTBE)	5400	50	ug/L	100.00	07/29/2005 15:37	
Benzene	4300	50	ug/L	100.00	07/29/2005 15:37	
Toluene	2300	50	ug/L	100.00	07/29/2005 15:37	
Ethylbenzene	690	50	ug/L	100.00	07/29/2005 15:37	
Total xylenes	1500	100	ug/L	100.00	07/29/2005 15:37	
Surrogate(s)						
1,2-Dichloroethane-d4	98.8	73-130	%	100.00	07/29/2005 15:37	
Toluene-d8	93.7	81-114	%	100.00	07/29/2005 15:37	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2005/07/28-01.68

MB: 2005/07/28-01.68-019

Date Extracted: 07/28/2005 08:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/28/2005 08:19	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/28/2005 08:19	
Benzene	ND	0.5	ug/L	07/28/2005 08:19	
Toluene	ND	0.5	ug/L	07/28/2005 08:19	
Ethylbenzene	ND	0.5	ug/L	07/28/2005 08:19	
Total xylenes	ND	1.0	ug/L	07/28/2005 08:19	
Surrogates(s)					
1,2-Dichloroethane-d4	103.4	73-130	%	07/28/2005 08:19	
Toluene-d8	101.2	81-114	%	07/28/2005 08:19	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2005/07/29-01.68

MB: 2005/07/29-01.68-021

Date Extracted: 07/29/2005 10:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/29/2005 10:21	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/29/2005 10:21	
Benzene	ND	0.5	ug/L	07/29/2005 10:21	
Toluene	ND	0.5	ug/L	07/29/2005 10:21	
Ethylbenzene	ND	0.5	ug/L	07/29/2005 10:21	
Total xylenes	ND	1.0	ug/L	07/29/2005 10:21	
Surrogates(s)					
1,2-Dichloroethane-d4	101.2	73-130	%	07/29/2005 10:21	
Toluene-d8	100.2	81-114	%	07/29/2005 10:21	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

208 West El Pintado Road
Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2005/07/30-01.65

MB: 2005/07/30-01.65-028

Date Extracted: 07/30/2005 13:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/30/2005 13:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/30/2005 13:28	
Benzene	ND	0.5	ug/L	07/30/2005 13:28	
Toluene	ND	0.5	ug/L	07/30/2005 13:28	
Ethylbenzene	ND	0.5	ug/L	07/30/2005 13:28	
Total xylenes	ND	1.0	ug/L	07/30/2005 13:28	
Surrogates(s)					
1,2-Dichloroethane-d4	92.0	73-130	%	07/30/2005 13:28	
Toluene-d8	90.8	81-114	%	07/30/2005 13:28	

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/07/30-01.68-042

Water

Test(s): 8260B
QC Batch # 2005/07/30-01.68
Date Extracted: 07/30/2005 07:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/30/2005 07:42	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/30/2005 07:42	
Benzene	ND	0.5	ug/L	07/30/2005 07:42	
Toluene	ND	0.5	ug/L	07/30/2005 07:42	
Ethylbenzene	ND	0.5	ug/L	07/30/2005 07:42	
Total xylenes	ND	1.0	ug/L	07/30/2005 07:42	
Surrogates(s)					
1,2-Dichloroethane-d4	107.8	73-130	%	07/30/2005 07:42	
Toluene-d8	100.6	81-114	%	07/30/2005 07:42	

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/28-01.68**

LCS 2005/07/28-01.68-053 Extracted: 07/28/2005 Analyzed: 07/28/2005 07:53
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.0		25.0	96.0			65-165	20		
Benzene	21.7		25.0	86.8			69-129	20		
Toluene	25.2		25.0	100.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	436		500	87.2			73-130			
Toluene-d8	504		500	100.8			81-114			

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/29-01.68**

LCS 2005/07/29-01.68-055 Extracted: 07/29/2005 Analyzed: 07/29/2005 09:55

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.8		25.0	95.2			65-165	20		
Benzene	25.0		25.0	100.0			69-129	20		
Toluene	24.4		25.0	97.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441		500	88.2			73-130			
Toluene-d8	483		500	96.6			81-114			

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/30-01.65**

LCS 2005/07/30-01.65-002 Extracted: 07/30/2005 Analyzed: 07/30/2005 13:02
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.7		25.0	94.8			65-165	20		
Benzene	26.1		25.0	104.4			69-129	20		
Toluene	25.8		25.0	103.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	418		500	83.6			73-130			
Toluene-d8	464		500	92.8			81-114			

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/30-01.68**

LCS 2005/07/30-01.68-016 Extracted: 07/30/2005 Analyzed: 07/30/2005 07:16

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.6		25.0	82.4			65-165	20		
Benzene	18.8		25.0	75.2			69-129	20		
Toluene	22.0		25.0	88.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	398		500	79.6			73-130			
Toluene-d8	482		500	96.4			81-114			

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/28-01.68**

MS/MSD

MS: 2005/07/28-01.68-026 Extracted: 07/28/2005 Lab ID: 2005-07-0720 - 002
Analyzed: 07/28/2005 10:26
Dilution: 10.00

MSD: 2005/07/28-01.68-052 Extracted: 07/28/2005 Analyzed: 07/28/2005 10:52
Dilution: 10.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	267	241	ND	250	106.8	96.4	10.2	65-165	20		
Benzene	223	222	ND	250	89.2	88.8	0.4	69-129	20		
Toluene	261	267	0.738	250	104.1	106.5	2.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	468	442		500	93.6	88.4		73-130			
Toluene-d8	499	501		500	99.8	100.2		81-114			

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

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Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/29-01.68**

MS/MSD

Lab ID: 2005-07-0686 - 007

MS: 2005/07/29-01.68-027 Extracted: 07/29/2005 Analyzed: 07/29/2005 13:27

Dilution: 50.00

MSD: 2005/07/29-01.68-053 Extracted: 07/29/2005 Analyzed: 07/29/2005 13:53

Dilution: 50.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	1240	1340	152	1250	87.0	107.2	20.8	65-165	20		R1
Benzene	1390	1520	249	1250	91.3	121.6	28.5	69-129	20		R1
Toluene	1190	1280	8.72	1250	94.5	102.4	8.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	427	403		500	85.4	80.6		73-130			
Toluene-d8	505	500		500	101.0	100.0		81-114			

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/30-01.65**

MS/MSD

Lab ID: 2005-07-0570 - 009

MS: 2005/07/30-01.65-019 Extracted: 07/30/2005 Analyzed: 07/30/2005 15:19

Dilution: 1.00

MSD: 2005/07/30-01.65-045 Extracted: 07/30/2005 Analyzed: 07/30/2005 15:45

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	39.2	33.9	9.35	25.0	119.4	98.2	19.5	65-165	20		
Benzene	29.9	28.8	4.84	25.0	100.2	95.8	4.5	69-129	20		
Toluene	26.6	24.8	0.570	25.0	104.1	96.9	7.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	466	466		500	93.2	93.2		70-130			
Toluene-d8	476	441		500	95.2	88.2		81-114			

Fuel Oxygenates by 8260B

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Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/30-01.68**

MW-3 >> MS

Lab ID: 2005-07-0558 - 002

MS: 2005/07/30-01.68-056 Extracted: 07/30/2005

Analyzed: 07/30/2005 09:56

Dilution: 40.00

MSD: 2005/07/30-01.68-022 Extracted: 07/30/2005

Analyzed: 07/30/2005 10:22

Dilution: 40.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	3810	3760	2960	1000	85.0	80.0	6.1	65-165	20		
Benzene	763	79:	ND	1000	76.3	79.1	3.6	69-129	20		
Toluene	958	966	ND	1000	95.8	96.6	0.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	426	421		500	85.2	84.2		73-130			
Toluene-d8	511	471		500	102.2	94.2		81-114			

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

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Danville, CA 94526
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3412
YEE

Received: 07/20/2005 17:44

Site: 726 Harrison St., Oakland

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

R1

Analyte RPD was out of QC limits.

2005-07-0558

116184

[illegible] Engineering, Inc.
[illegible] Road
[illegible], CA [illegible]
(925) [illegible]
FAX (925) 637-1856

Chain of Custody

SAMPLER (SIGNATURE): [signature]

PROJECT NAME: YRG

JOB NO.: 3412

ADDRESS: 724 Hamilton St. Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 8015/8020/8260)	[illegible]	[illegible]	[illegible]	VOLATILE ORGANICS (EPA 8260/624)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (EPA 6010/7000)	CAM 17 METALS (EPA 6010/7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)			E.D.F.	HOLD
MW-1	7-19-5	[illegible]	[illegible]	3	X															✓	
MW-2	↓	[illegible]	↓	↓	✓															✓	
MW-4	↓	[illegible]	↓	↓	✓															✓	
MW-5	↓	[illegible]	↓	↓	✓															✓	

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:
(signature) [signature] (time)	(signature) [signature] (time) 1116	(signature) [signature] 7/20 (time) 1744	(signature) [signature] (time) 1744
(printed name) [illegible] (date) 07-19-05	(printed name) [illegible] (date) 7/19	(printed name) (date)	(printed name) [illegible] (date) 7/20
Company- [illegible]	Company- STL SF	Company-	Company- STL SF

COMMENTS: STL - CHROMALAB

TURN AROUND TIME
STANDARD (circled) 24Hr 48Hr 72Hr
OTHER:

TEMP 5°C