



PO 321 newsw

December 30, 2004

QUARTERLY GROUNDWATER MONITORING REPORT
OCTOBER 2004 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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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: Mr. Chuck Headlee
(510) 622-2433

The following is a report detailing the results of the October 2004 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 during the previous quarter 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 October 12, 2004, ASE measured the depth to groundwater in four site monitoring wells and one site extraction well using an electric water level sounder. Monitoring well MW-4 could not be accessed. 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. As requested by the ACHCSA, the groundwater gauging and sampling was coordinated with Cambria Environmental Technology, Inc., (Cambria). Cambria 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 is presented in Tables One and Two. A groundwater potentiometric surface map illustrating elevation is presented as Figure 2. The groundwater flow direction below the site is generally to the south/southwest. The groundwater potentiometric surface is irregular with a steep gradient shown on the southern property line, and a relatively flat gradient beneath the former ARCO site.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On October 12, 2004, ASE collected groundwater samples from monitoring wells MW-1, MW-3, and MW-5. Monitoring well MW-4 could not be accessed, and 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. Recent and current analytical data for the former ARCO station is summarized in Table Four.

4.0 CONCLUSIONS

Disolved hydrocarbon concentrations in monitoring wells MW-1 and MW-5 decreased, while concentrations increased slightly in MW-3.

The TPH-G, BTEX and/or MTBE concentrations detected in the groundwater samples collected from all wells sampled 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 January 2004.

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.

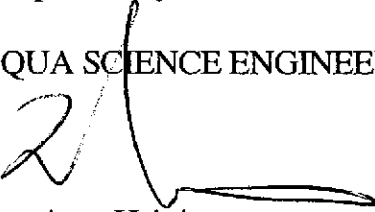
6.0 REPORT LIMITATIONS

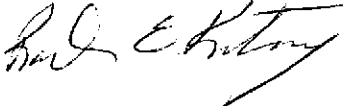
The results presented in this report represent the conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting 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.

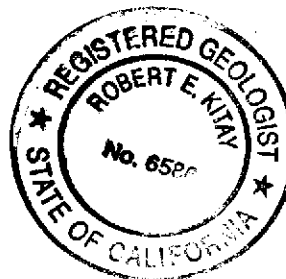
Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.


Damian Hriciga
Project Geologist


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
Mr. Chuck Headlee, RWQCB, San Francisco Bay Region

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			
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		

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		
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			

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	1/18/02	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		

* 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
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
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
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
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
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
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

* 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
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

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
6/17/00	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					
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
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-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
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
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
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
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
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

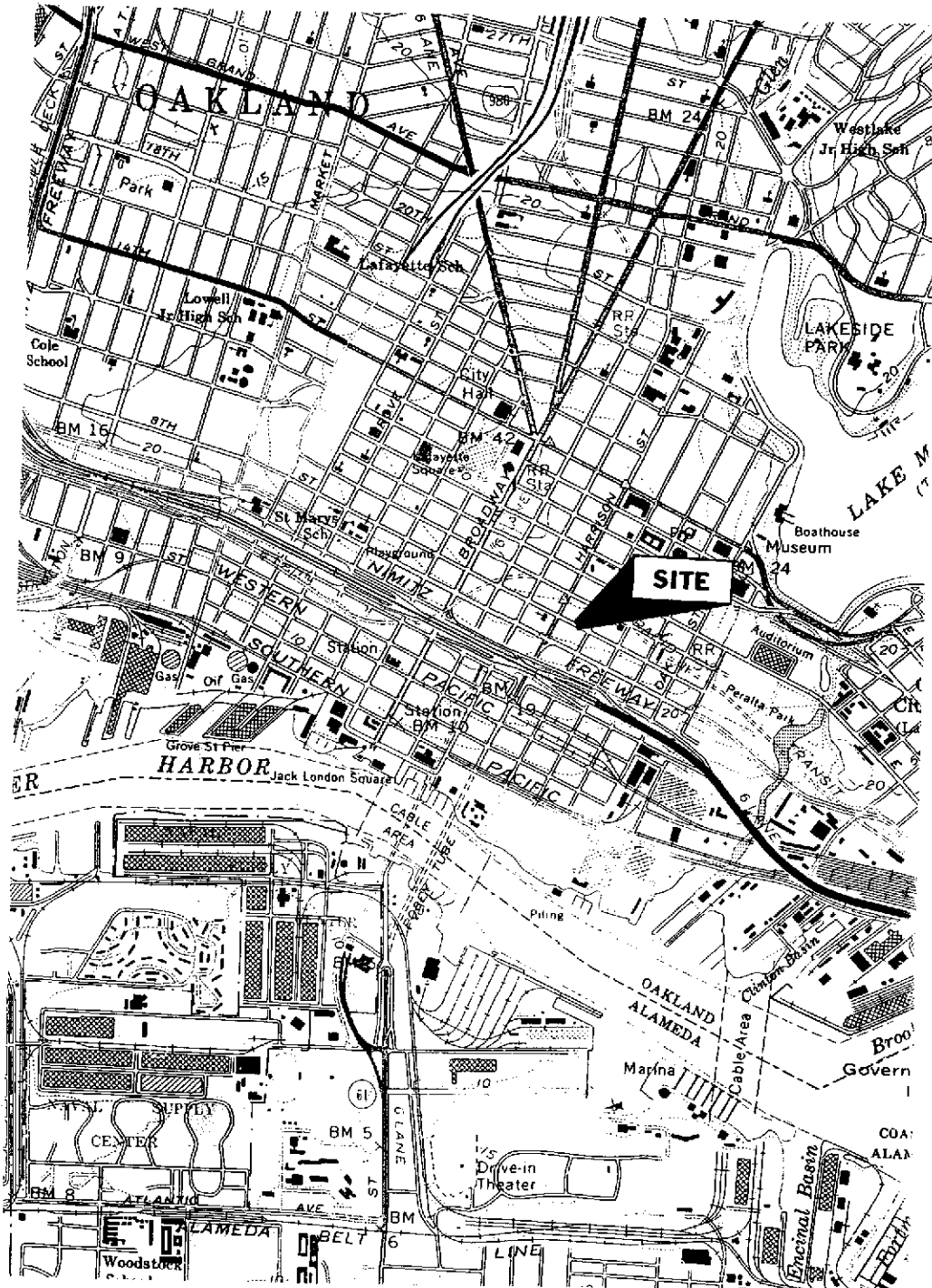
ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (July 2003)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Most current data is in **Bold**

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



NORTH



SITE LOCATION MAP

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 1

8TH STREET



NORTH

SCALE
1" = 30'

Unocal
MW-7

Unocal
MW-8

HARRISON STREET

CHAN AUTO

MW-4
(NM)

BH-A

FORMER
USTS &
OVEREXCAVATION
BOUNDARY

BH-B

BUILDING

BH-C

MW-1
(11.25)*

EW-1
(12.43')

AS-1

MW-3
(12.01')

MW-5
(12.04')

MW-2
(12.13')

12.0'

11.0'

10.0'

FORMER
USTS/
OVEREXCAVATIONS

ARCO
MW-4
(10.15')

ARCO
MW-2
(9.66')

ARCO
MW-3
(10.21')

FORMER
ARCO
STATION

ARCO
MW-1
(9.87')

SIDEWALK

ARCO
MW-7
(9.80')

LEGEND

- Approx. Groundwater Flow Direction
- ASE Monitoring Well
(11.25') Groundwater elevation relative to MSL
- Groundwater elevation contour
- Anomalous data - Not used for contouring

7TH STREET

GROUNDWATER ELEVATION
CONTOUR MAP - 10/12/2004

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 2

ARCO
MW-6
(8.86')

9.0'

ARCO
MW-5
(9.19')

APPENDIX A

Well Sampling Field Logs



WELL SAMPLING FIELD LOG

Project Name and Address: YEE
 Job #: 3412 Date of sampling: 10/12/04
 Well Name: MW-1 Sampled by: DH
 Total depth of well (feet): 27.2 Well diameter (inches): 2
 Depth to water before sampling (feet): 17.73
 Thickness of floating product if any: -
 Depth of well casing in water (feet): 9.47
 Number of gallons per well casing volume (gallons): 16
 Number of well casing volumes to be removed: 3
 Req'd volume of groundwater to be purged before sampling (gallons): 4.6
 Equipment used to purge the well: BALLER
 Time Evacuation Began: 1935 Time Evacuation Finished: 2010
 Approximate volume of groundwater purged: 4.6
 Did the well go dry?: NO After how many gallons: -
 Time samples were collected: 2015
 Depth to water at time of sampling: 17.75
 Percent recovery at time of sampling: -
 Samples collected with: BALLER
 Sample color: - Odor: ST HC
 Description of sediment in sample: -

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
0	67.1	6.64	721
1.6	66.8	6.60	751
3.2	66.4	6.65	760
4.6	66.2	6.66	765

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-1	3	40 mL VBA	ALL	Y	



WELL SAMPLING FIELD LOG

Project Name and Address: _____ **YEE** _____
Job #: 3412 Date of sampling: 10/2/04
Well Name: MU-2 Sampled by: DH
Total depth of well (feet): _____ Well diameter (inches): 2
Depth to water before sampling (feet): 17.31
Thickness of floating product if any: _____
Depth of well casing in water (feet): _____
Number of gallons per well casing volume (gallons): _____
Number of well casing volumes to be removed: _____
Required volume of groundwater to be purged before sampling (gallons): _____
Equipment used to purge the well: _____
Time Evacuation Began: _____ Time Evacuation Finished: _____
Approximate volume of groundwater purged: _____
Did the well go dry: _____ After how many gallons: _____
Time samples were collected: _____
Depth to water at time of sampling: _____
Percent recovery at time of sampling: _____
Samples collected with: _____
Sample color: _____
Description of sediment in sample: _____

CHEMICAL DATA

<u>Volume Purged</u>	<u>Temp</u>	<u>pH</u>	<u>Conductivity</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SAMPLES COLLECTED

<u>Sample</u>	<u># of containers</u>	<u>Volume & type container</u>	<u>Pres</u>	<u>Iced?</u>	<u>Analysis</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NOT SAMPLED THIS QUARTER

WELL SAMPLING FIELD LOG

Project Name and Address: YEE
 Job #: _____
 Well Name: MU-3 Date of sampling: 10/2/07
 Total depth of well (feet): 29.7 Sampled by: DA
 Depth to water before sampling (feet): 16.63 Well diameter (inches): 2
 Thickness of floating product if any: _____
 Depth of well casing in water (feet): 13.07
 Number of gallons per well casing volume (gallons): 2.1
 Number of well casing volumes to be removed: 3
 Req'd volume of groundwater to be purged before sampling (gallons): 6.3
 Equipment used to purge the well: BAILER
 Time Evacuation Began: 1855 Time Evacuation Finished: 1925
 Approximate volume of groundwater purged: 6.3
 Did the well go dry?: No After how many gallons: —
 Time samples were collected: 1930
 Depth to water at time of sampling: 16.63
 Percent recovery at time of sampling: _____
 Samples collected with: BAILER
 Sample color: _____ Odor: HC
 Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
<u>0</u>	<u>67.3</u>	<u>6.23</u>	<u>399</u>
<u>2.1</u>	<u>67.1</u>	<u>6.28</u>	<u>615</u>
<u>4.2</u>	<u>66.4</u>	<u>6.31</u>	<u>616</u>
<u>6.3</u>	<u>66.4</u>	<u>6.40</u>	<u>118</u>

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
<u>MU-3</u>	<u>3</u>	<u>210 mL Vial</u>	<u>HC</u>	<input checked="" type="checkbox"/>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____



WELL SAMPLING FIELD LOG

Project Name and Address: YEE
 Job #: _____
 Well Name: MW-5 Date of sampling: 10/12/04
 Total depth of well (feet): 28.5 Sampled by: DH
 Depth to water before sampling (feet): _____ Well diameter (inches): 2
 Thickness of floating product if any: 0.02
 Depth of well casing in water (feet): 11.48
 Number of gallons per well casing volume (gallons): 1.9
 Number of well casing volumes to be removed: 3
 Req'd volume of groundwater to be purged before sampling (gallons): 5.5
 Equipment used to purge the well: BALLER
 Time Evacuation Began: 1820 Time Evacuation Finished: 1845
 Approximate volume of groundwater purged: _____
 Did the well go dry?: NO After how many gallons: _____
 Time samples were collected: 1850
 Depth to water at time of sampling: 17.05
 Percent recovery at time of sampling: _____
 Samples collected with: BALLER
 Sample color: _____ Odor: H2
 Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
0	68.0	6.42	1162
1.1	67.5	6.53	1160
3.8	66.8	6.59	1171
5.5	66.4	6.60	1172

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	ICcd?	Analysis
MW-5	3	40 mL VSA	HCL	Y	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____



WELL SAMPLING FIELD LOG

Project Name and Address: _____ *YES*

Job #: _____ Date of sampling: *10/2/04*

Well Name: *EW-1* Sampled by: *DH*

Total depth of well (feet): *28.5* Well diameter (inches): *6*

Depth to water before sampling (feet): *16.46*

Thickness of floating product if any: _____

Depth of well casing in water (feet): _____

Number of gallons per well casing volume (gallons): _____

Number of well casing volumes to be removed: _____

Required volume of groundwater to be purged before sampling (gallons): _____

Equipment used to purge the well: _____

Time Evacuation Began: _____ Time Evacuation Finished: _____

Approximate volume of groundwater purged: _____

Did the well go dry: _____ After how many gallons: _____

Time samples were collected: _____

Depth to water at time of sampling: _____

Percent recovery at time of sampling: _____

Samples collected with: _____

Sample color: _____ Color _____

Description of sediment in sample: _____

CHEMICAL DATA

<u>Volume Purged</u>	<u>Temp</u>	<u>pH</u>	<u>Conductivity</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SAMPLES COLLECTED

<u>Sample</u>	<u># of containers</u>	<u>Volume & type container</u>	<u>Pres</u>	<u>Iced?</u>	<u>Analysis</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NOT SAMPLING THIS QUARTER

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

Aqua Science Engineers, Inc.

October 28, 2004

208 West El Pintado
Danville, CA 94526

Attn.: Damian Hriciga

Project: Yee

Dear Mr. Hriciga,

Attached is our report for your samples received on 10/15/2004 16:30

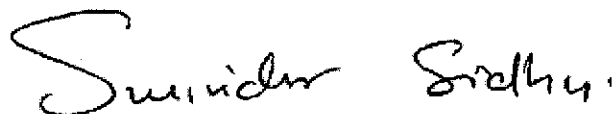
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/29/2004 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
Project Manager

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Damian Hriciga

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

Project: Yee

Received: 10/15/2004 16:30

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/12/2004 20:15	Water	1
MW-3	10/12/2004 19:30	Water	2
MW-5	10/12/2004 18:50	Water	3

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

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

Project: Yee

Received: 10/15/2004 16:30

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-1 Lab ID: 2004-10-0497 - 1
Sampled: 10/12/2004 20:15 Extracted: 10/25/2004 10:47
Matrix: Water QC Batch#: 2004/10/25-01.68
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	25000	25000	ug/L	500.00	10/25/2004 10:47	Q6
Methyl tert-butyl ether (MTBE)	25000	250	ug/L	500.00	10/25/2004 10:47	
Benzene	1400	250	ug/L	500.00	10/25/2004 10:47	
Toluene	ND	250	ug/L	500.00	10/25/2004 10:47	
Ethylbenzene	ND	250	ug/L	500.00	10/25/2004 10:47	
Total xylenes	ND	500	ug/L	500.00	10/25/2004 10:47	
Surrogate(s)						
1,2-Dichloroethane-d4	109.5	72-128	%	500.00	10/25/2004 10:47	
Toluene-d8	106.2	80-113	%	500.00	10/25/2004 10:47	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/26/2004 18:52

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Yee

Received: 10/15/2004 16:30

Prep(s): 5030B Test(s): 8260B
 Sample ID: MW-3 Lab ID: 2004-10-0497 - 2
 Sampled: 10/12/2004 19:30 Extracted: 10/25/2004 11:06
 Matrix: Water QC Batch#: 2004/10/25-01.68
 Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5000	5000	ug/L	100.00	10/25/2004 11:06	Q6
Methyl tert-butyl ether (MTBE)	5900	50	ug/L	100.00	10/25/2004 11:06	
Benzene	ND	50	ug/L	100.00	10/25/2004 11:06	
Toluene	ND	50	ug/L	100.00	10/25/2004 11:06	
Ethylbenzene	ND	50	ug/L	100.00	10/25/2004 11:06	
Total xylenes	ND	100	ug/L	100.00	10/25/2004 11:06	
Surrogate(s)						
1,2-Dichloroethane-d4	109.4	72-128	%	100.00	10/25/2004 11:06	
Toluene-d8	98.8	80-113	%	100.00	10/25/2004 11:06	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Yee

Received: 10/15/2004 16:30

Prep(s): 5030B Test(s): 8260B
 Sample ID: MW-5 Lab ID: 2004-10-0497 - 3
 Sampled: 10/12/2004 18:50 Extracted: 10/25/2004 18:45
 Matrix: Water QC Batch#: 2004/10/25-02.64
 Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	26000	2500	ug/L	50.00	10/25/2004 18:45	
Methyl tert-butyl ether (MTBE)	2200	25	ug/L	50.00	10/25/2004 18:45	
Benzene	4300	25	ug/L	50.00	10/25/2004 18:45	
Toluene	2000	25	ug/L	50.00	10/25/2004 18:45	
Ethylbenzene	670	25	ug/L	50.00	10/25/2004 18:45	
Total xylenes	1300	50	ug/L	50.00	10/25/2004 18:45	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	72-128	%	50.00	10/25/2004 18:45	
Toluene-d8	100.9	80-113	%	50.00	10/25/2004 18:45	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/26/2004 18:52

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

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

Project: Yee

Received: 10/15/2004 16:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/10/25-01.68

MB: 2004/10/25-01.68-058

Date Extracted: 10/25/2004 07:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/25/2004 07:15	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/25/2004 07:15	
Benzene	ND	0.5	ug/L	10/25/2004 07:15	
Toluene	ND	0.5	ug/L	10/25/2004 07:15	
Ethylbenzene	ND	0.5	ug/L	10/25/2004 07:15	
Total xylenes	ND	1.0	ug/L	10/25/2004 07:15	
Surrogates(s)					
1,2-Dichloroethane-d4	103.0	73-130	%	10/25/2004 07:15	
Toluene-d8	98.2	81-114	%	10/25/2004 07:15	

Severn Trent Laboratories, Inc.

10/26/2004 18:52

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Damian Hriciga

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

Received: 10/15/2004 16:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/10/25-02.64

MB: 2004/10/25-02.64-017

Date Extracted: 10/25/2004 18:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/25/2004 18:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/25/2004 18:17	
Benzene	ND	0.5	ug/L	10/25/2004 18:17	
Toluene	ND	0.5	ug/L	10/25/2004 18:17	
Ethylbenzene	ND	0.5	ug/L	10/25/2004 18:17	
Total xylenes	ND	1.0	ug/L	10/25/2004 18:17	
Surrogates(s)					
1,2-Dichloroethane-d4	106.8	73-130	%	10/25/2004 18:17	
Toluene-d8	106.2	81-114	%	10/25/2004 18:17	

Sewern Trent Laboratories, Inc.

10/26/2004 18:52

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Yee

Received: 10/15/2004 16:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/10/25-01.68

LCS 2004/10/25-01.68-003

Extracted: 10/25/2004

Analyzed: 10/25/2004 08:03

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.8		25.0	99.2			65-165	20		
Benzene	20.9		25.0	83.6			69-129	20		
Toluene	25.0		25.0	100.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	470		500	94.0			73-130			
Toluene-d8	513		500	102.6			81-114			

Sewern Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/26/2004 18:52

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Yee

Received: 10/15/2004 16:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/10/25-02.64

LCS 2004/10/25-02.64-054

Extracted: 10/25/2004

Analyzed: 10/25/2004 17:54

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.3		25.0	97.2			65-165	20		
Benzene	24.0		25.0	96.0			69-129	20		
Toluene	24.8		25.0	99.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	503		500	100.6			73-130			
Toluene-d8	510		500	102.0			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/26/2004 18:52

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Damian Hriciga

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

Project: Yee

Received: 10/15/2004 16:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/10/25-01.68

MS/MSD

Lab ID: 2004-10-0537 - 004

MS: 2004/10/25-01.68-049

Extracted: 10/25/2004

Analyzed: 10/25/2004 09:49

Dilution: 1.00

MSD: 2004/10/25-01.68-007

Extracted: 10/25/2004

Analyzed: 10/25/2004 10:07

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	28.5	24.9	ND	25.0	114.0	99.6	13.5	65-165	20		
Benzene	21.7	21.2	ND	25.0	86.8	84.8	2.3	69-129	20		
Toluene	25.0	25.4	ND	25.0	100.0	101.6	1.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	496	488		500	99.2	97.6		73-130			
Toluene-d8	486	503		500	97.2	100.6		81-114			

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

10/26/2004 18:52

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Damian Hriciga

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

Project: Yee

Received: 10/15/2004 16:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/10/25-02.64

MS/MSD

Lab ID: 2004-10-0504 - 018

MS: 2004/10/25-02.64-011

Extracted: 10/26/2004

Analyzed: 10/26/2004 02:11

Dilution: 1.00

MSD: 2004/10/25-02.64-033

Extracted: 10/26/2004

Analyzed: 10/26/2004 02:33

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	40.0	38.4	12.4	25.0	110.4	104.0	6.0	65-165	20		
Benzene	22.7	22.0	ND	25.0	90.8	88.0	3.1	69-129	20		
Toluene	24.3	22.4	ND	25.0	97.2	89.6	8.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	538	552		500	107.6	110.4		73-130			
Toluene-d8	526	530		500	105.2	106.0		81-114			

Severn Trent Laboratories, Inc.

10/26/2004 18:52

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Yee

Received: 10/15/2004 16:30

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.

Severn Trent Laboratories, Inc.

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10/26/2004 18:52

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 10 - 0497

Checklist completed by: (initials) DSH Date: 10/16/04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples

Chain of custody present?

Chain of custody signed when relinquished and received?

Chain of custody agrees with sample labels?

Samples in proper container/bottle?

Sample containers intact?

Sufficient sample volume for indicated test?

All samples received within holding time?

Container/Temp Blank temperature in compliance (4°C ± 2)?

Potential reason for > 6°C - Ice melted Ice in bags Not enough ice Not enough ice pack Samples in box

Sampled > 4hr ago? Ice not required (e.g. air or bulk sample)

Water - VQA vials have zero headspace?

No VQA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - **O**), M (medium - **O**) or L (large - **O**)

Water pH acceptable upon receipt? Yes No

pH adjusted - Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

Yes	No	Not Present
		<input checked="" type="checkbox"/>
Yes	No	
		<input checked="" type="checkbox"/>
Yes	No	
		<input checked="" type="checkbox"/>
Yes	No	
		<input checked="" type="checkbox"/>
Yes	No	
		<input checked="" type="checkbox"/>
Temp	Yes	No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ice Present	Yes	No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SEVERN
TRENT

STL

STL San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 484-1096
Email: sflogin@stl-inc.com

2004-10-0497 89837
Reference #:

Date 10/14/04 Page 1 of 1

Report To: Analysis Request

Attn: DAMIAN HEICGA
Company: AGRI SCIENCE PRODUCTS
Address: 228 W EL PINO AVE, SAN JUAN
Phone: _____ Email: _____
Bill To: _____ Sampled By: DL
Attn: _____ Phone: _____

Sample ID	Date	Time	Mix	Pres	TPH EPA	THM EPA	Flow Test	Purgeable	Volatile	Semivolatile	Oil and Grease	Pesticides	PNAs	CAM17	Metals	Low Level	WE.T	Hexavalent	Spec Cond.	TSS	Anions
MW-1	10/14/04	1430	W	100%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MW-3	↓	1430	W	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MW-5	↓	1850	W	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Project Info.
Project Name: YEE
Project #: _____
PO#: _____
Credit Card#: _____

Sample Receipt
of Containers: _____
Head Space: _____
Temp: 2°C
Conforms to record: _____

TAT: 5 Day 72h 48h 24h Other: _____

Report: Routine Level 3 Level 4 EOD State Tank Fund EOP Global ID
Special Instructions / Comments: _____

See Terms and Conditions on reverse
*STL SF reports 8115M from C&C (Industry only) Default for 8115M is C&C

1) Relinquished by: [Signature] 1700
Signature: _____ Time: _____
Printed Name: DAMIAN HEICGA Date: 10/14/04
Company: ASE

1) Received by: _____
Signature: _____ Time: _____
Printed Name: _____ Date: _____
Company: _____

2) Relinquished by: [Signature] 8:30
Signature: _____ Time: _____
Printed Name: D. Schiell Date: 10/15/04
Company: ASE

2) Received by: [Signature] 0830
Signature: _____ Time: _____
Printed Name: Smetford Date: 10-15-04
Company: STC-SF

3) Relinquished by: [Signature] 16:30
Signature: _____ Time: _____
Printed Name: Smetford Date: 10-15-04
Company: STL-SF

3) Received by: [Signature] 1630
Signature: _____ Time: _____
Printed Name: M. Llanena Date: 10/15/04
Company: STL-SF

Number of Containers