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

June 11, 2007

QUARTERLY GROUNDWATER MONITORING REPORT
MAY 2007 GROUNDWATER SAMPLING
ASE JOB NO. 3648

at
1310 Central Avenue
Alameda, California

Prepared for:
Mr. Nissan Saidian
5733 Medallion Court
Castro Valley, CA 94522

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
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1.0 INTRODUCTION

Site Location (Site), See Figure 1
1310 Central Avenue
Alameda, CA

Responsible Party
Mr. Nissan Saidian
5733 Medallion Court
Castro Valley, CA 94522

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

Agency Review
Mr. Barney Chan
Alameda County Health Care Services Agency (ACHCSA)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Mr. Chuck Headlee
California Regional Water Quality Control Board (RWQCB)
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

The following is a report detailing the methods and findings of the May 2007 quarterly groundwater sampling at the above-referenced site (*Figure 1*). This sampling was conducted as required by the ACHCSA and RWQCB. ASE has prepared this report on behalf of Mr. Nissan Saidian, owner of the property.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On May 8, 2007, ASE measured the depth to water in each site groundwater monitoring well using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons were observed in any of the monitoring wells this quarter. However, the water sampled from MW-3 did have a slight sheen on the water surface. Groundwater elevation data is presented as *Table One*.

A groundwater potentiometric surface map is presented as *Figure 2*. Groundwater beneath the site was calculated as flowing to the northwest with a gradient of approximately 0.01 feet/foot. The groundwater flow direction beneath the site has varied from quarter to quarter. Additionally, monitoring wells MW-3, MW-4 and MW-5 in particular, have consistently been noted to be under pressure.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Prior to sampling, all five monitoring wells were purged of three well casing volumes of groundwater using disposable polyethylene bailers. The parameters pH, temperature, and conductivity were monitored during the well purging, and samples were not collected until the parameters stabilized. Petroleum hydrocarbon odors were present during the purging and sampling of monitoring wells MW-1, MW-2, MW-3 and MW-5. Groundwater samples were collected from each well using disposable polyethylene bailers.

The samples 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, and sealed without headspace. The samples were then labeled and placed in a cooler with wet ice for transport to Kiff Analytical, LLC (ELAP #2236) of Davis, California under appropriate chain-of-custody documentation. Well sampling field logs are presented in *Appendix A*.

The well purge water was placed in a 55-gallon steel drum and labeled for temporary storage.

The groundwater samples collected from all five site monitoring wells were analyzed for total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 8015, and total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX), and fuel oxygenates including methyl tertiary-butyl ether (MTBE) by EPA Method 8260B. The analytical results are presented in *Table Two,* and the certified analytical report and chain-of-custody documentation are included as *Appendix B*.

4.0 CONCLUSIONS

Groundwater samples collected from monitoring well MW-1 contained very similar concentrations of petroleum hydrocarbons as the previous sampling. Concentrations for all analyzed compounds in water samples collected from monitoring well MW-2 remained very similar to previous results, except for TPH-D which decreased from the last quarter. Hydrocarbons concentrations in water samples collected from monitoring well MW-3 are at a historic low. No hydrocarbons were detected in groundwater samples collected from monitoring well MW-4. Groundwater samples from monitoring well MW-5 had a slight decrease in concentrations of TPH-G and MTBE from the previous sampling. Benzene and MTBE contour maps are presented as *Figure 3* and *Figure 4*.

Concentrations Exceeding Environmental Screening Levels (ESLs)[1] for sites where groundwater is not a current or potential source of drinking water

- In MW-1, concentrations of TPH-G and ethyl benzene exceeded ESLs.
- In MW-3, concentrations of TPH-G and benzene exceeded ESLs.

5.0 RECOMMENDATIONS

ASE recommends that this site remain on a quarterly sampling schedule. The next sampling is scheduled for August 2007. In addition, ASE recommends that a corrective action plan be prepared for the site.

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 independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

[1] 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.

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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,

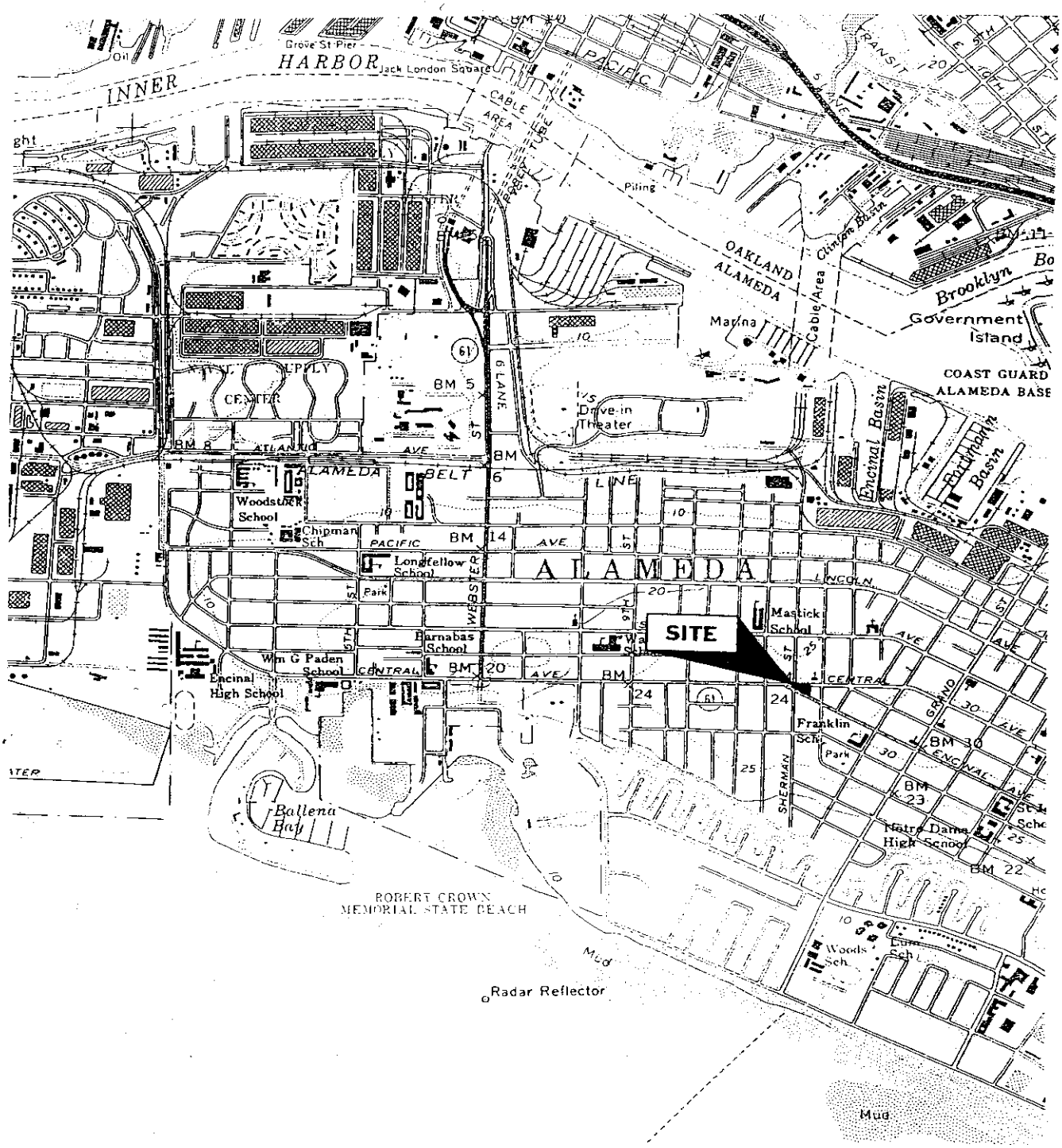
AQUA SCIENCE ENGINEERS, INC.

Michael Rauser
Staff Geologist

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

Attachments: Table One and Two
Figures 1 through 4
Appendices A and B

cc: Mr. Nissan Saidian
Mr. Barney Chan, ACHCSA
Mr. Chuck Headlee, RWQCB, San Francisco Bay Region

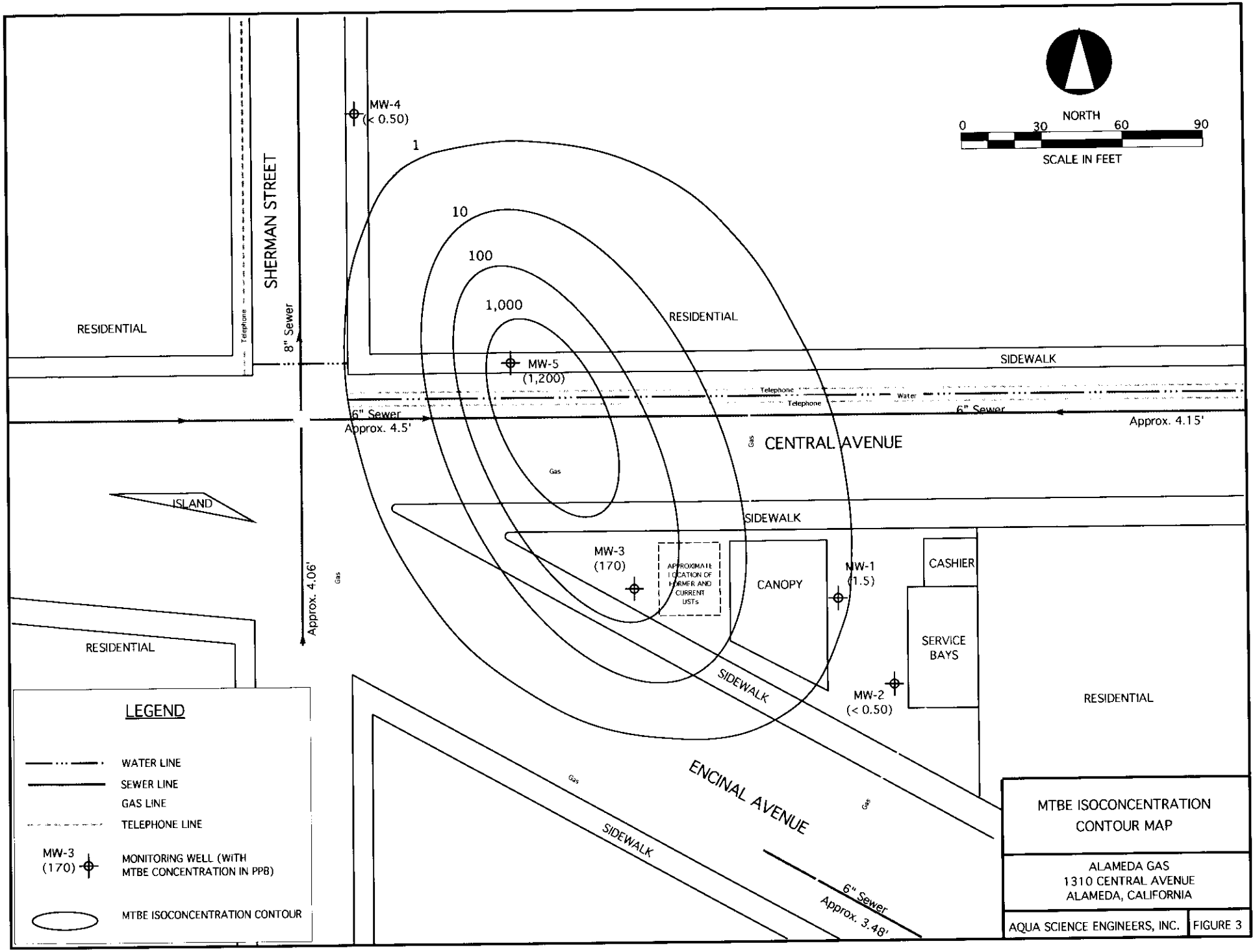


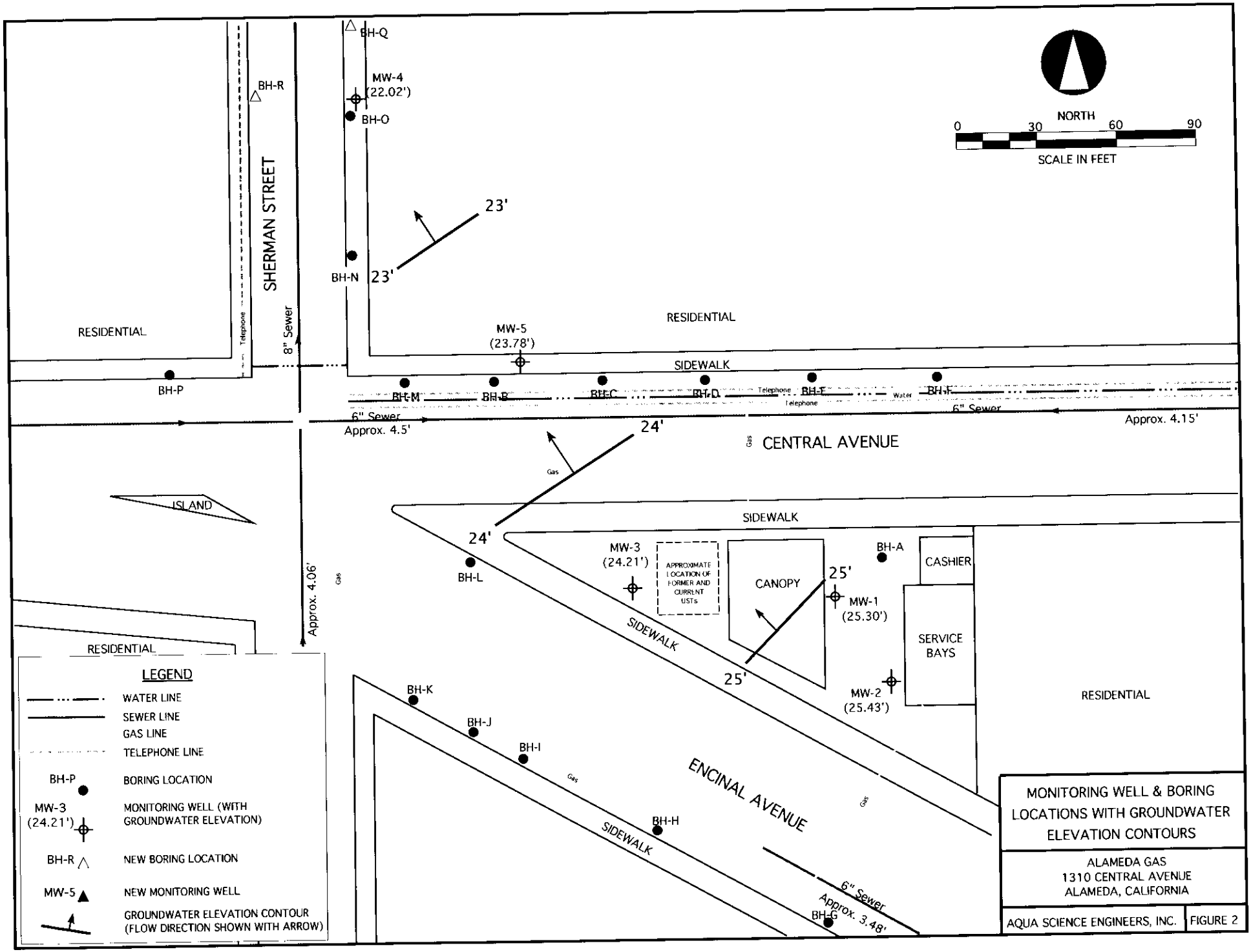
NORTH

LOCATION MAP

SAIDIAN PROPERTY
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 1

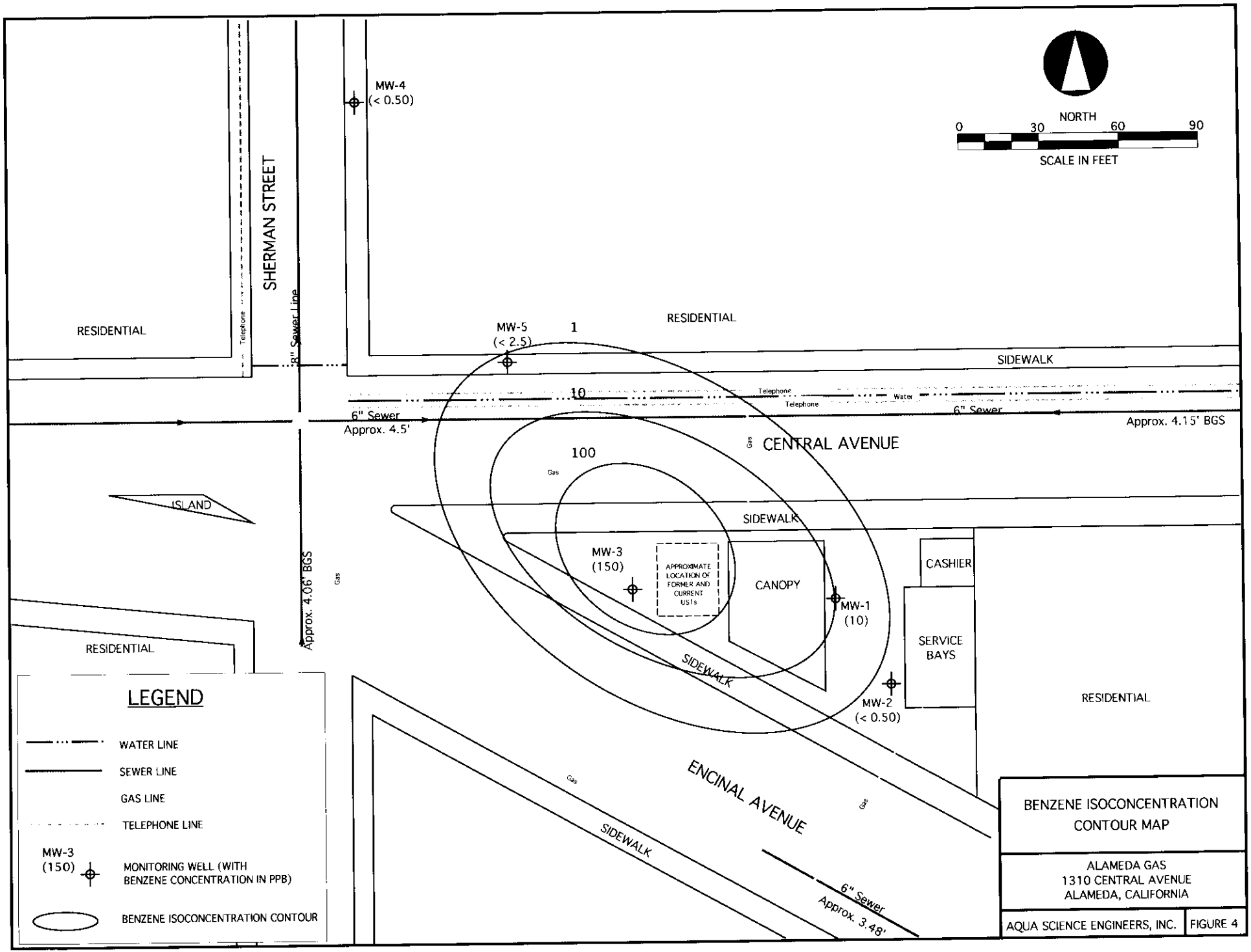

NORTH
0
30
60
90
SCALE IN FEET
MW-4
(< 0.50)
1
10
100
1,000
SHERMAN STREET
8" Sewer
RESIDENTIAL
Telephone
MW-5
(1,200)
SIDEWALK
Telephone
Water
Telephone
6" Sewer
Approx. 4.5'
6" Sewer
Approx. 4.15'
Gas
CENTRAL AVENUE
ISLAND
SIDEWALK
MW-3
(170)
APPROXIMATE LOCATION OF FORMER AND CURRENT USTs
CANOPY
MW-1
(1.5)
CASHIER
SERVICE BAYS
Approx. 4.06'
Gas
RESIDENTIAL
SIDEWALK
MW-2
(< 0.50)
RESIDENTIAL
ENCINAL AVENUE
Gas
Gas
SIDEWALK
6" Sewer
Approx. 3.48'
LEGEND
WATER LINE
SEWER LINE
GAS LINE
TELEPHONE LINE
MW-3
(170)
MONITORING WELL (WITH MTBE CONCENTRATION IN PPB)
MTBE ISOCONCENTRATION CONTOUR
MTBE ISOCONCENTRATION CONTOUR MAP
ALAMEDA GAS
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA
AQUA SCIENCE ENGINEERS, INC.
FIGURE 3



MONITORING WELL & BORING LOCATIONS WITH GROUNDWATER ELEVATION CONTOURS

ALAMEDA GAS
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | FIGURE 2


NORTH
0
30
60
90
SCALE IN FEET
MW-4
(< 0.50)
SHERMAN STREET
RESIDENTIAL
Telephone
8" Sewer Line
MW-5
(< 2.5)
1
RESIDENTIAL
SIDEWALK
10
Telephone
Telephone
Water
6" Sewer
Approx. 4.5'
6" Sewer
Approx. 4.15' BGS
Gas
CENTRAL AVENUE
100
Gas
ISLAND
SIDEWALK
MW-3
(150)
APPROXIMATE LOCATION OF FORMER AND CURRENT USTs
CANOPY
MW-1
(10)
CASHIER
SERVICE BAYS
Approx. 4.06' BGS
Gas
RESIDENTIAL
SIDEWALK
MW-2
(< 0.50)
RESIDENTIAL
LEGEND
WATER LINE
SEWER LINE
GAS LINE
TELEPHONE LINE
MW-3
(150)
MONITORING WELL (WITH BENZENE CONCENTRATION IN PPB)
BENZENE ISOCONCENTRATION CONTOUR
Gas
ENCINAL AVENUE
Gas
SIDEWALK
6" Sewer
Approx. 3.48'
BENZENE ISOCONCENTRATION CONTOUR MAP
ALAMEDA GAS
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA
AQUA SCIENCE ENGINEERS, INC.
FIGURE 4

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TABLES

TABLE ONE
Groundwater Elevation Data
Saidian Property-Alameda
1310 Central Avenue, Alameda, CA

Well	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation (msl)
MW-1	9/6/99	26.85	5.16	21.69
	5/16/00		3.24	23.61
	8/3/00		4.15	22.70
	12/5/00		4.90	21.95
	3/5/01		3.04	23.81
	6/4/01		4.01	22.84
	6/5/02		3.73	23.12
	9/9/02		5.06	21.79
	12/19/02		4.09	22.76
	3/10/03		3.50	23.35
	6/3/03		3.66	23.19
	9/18/03		4.91	21.94
	12/22/03		4.30	22.55
	3/12/04		2.93	23.92
	6/11/04		4.23	22.62
	9/13/04		5.02	21.83
	12/16/04		3.76	23.09
	3/21/05		2.81	24.04
	6/23/05		3.66	23.19
	9/30/05		4.55	22.30
	12/8/05		4.21	22.64
	3/1/06		2.90	23.95
	5/25/06	29.18	2.84	26.34
	8/10/06		4.35	24.83
	11/21/06		4.22	24.96
	2/6/07		4.39	24.79
	5/8/07		**3.88**	**25.30**

TABLE ONE
Groundwater Elevation Data
Saidian Property-Alameda
1310 Central Avenue, Alameda, CA

Well	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation (msl)
MW-2	9/6/99	27.18	5.56	21.62
	5/16/00		3.52	23.66
	8/3/00		4.44	22.74
	12/5/00		5.24	21.94
	3/5/01		3.28	23.90
	6/4/01		4.33	22.85
	6/5/02		3.98	23.20
	9/9/02		5.34	21.84
	12/19/02		4.33	22.85
	3/10/03		3.58	23.60
	6/3/03		3.87	23.31
	9/18/03		5.24	21.94
	12/22/03		4.47	22.71
	3/12/04		3.10	24.08
	6/11/04		4.51	22.67
	9/13/04		5.35	21.83
	12/16/04		4.09	23.09
	3/21/05		3.01	24.17
	6/23/05		3.91	23.27
	9/30/05		4.86	22.32
	12/8/05		4.49	22.69
	3/1/06		3.09	24.09
	5/25/06	29.55	3.16	26.39
	8/10/06		4.98	24.57
	11/21/06		4.81	24.74
	2/6/07		4.37	25.18
	5/8/07		**4.12**	**25.43**

TABLE ONE
Groundwater Elevation Data
Saidian Property-Alameda
1310 Central Avenue, Alameda, CA

Well	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Groundwater Elevation (msl)
MW-3	9/6/00	25.30	4.02	21.28
	5/16/00		2.06	23.24
	8/3/00		3.20	22.10
	12/5/00		3.71	21.59
	3/5/01		1.90	23.40
	6/4/01		2.72	22.58
	6/5/02		2.75	22.55
	9/9/02		3.88	21.42
	12/19/02		2.79	22.51
	3/10/03		2.36	22.94
	6/3/03		2.65	22.65
	9/19/03		3.15	22.15
	12/22/03		2.83	22.47
	3/12/04		2.00	23.30
	6/11/04		3.11	22.19
	9/13/04		3.90	21.40
	12/16/04		2.89	22.41
	3/21/05		1.93	23.37
	6/23/05		2.69	22.61
	9/30/05		4.54	20.76
	12/8/05		3.05	22.25
	3/1/06		1.95	23.35
	5/25/06	27.74	2.11	25.63
	8/10/06		3.25	24.49
	11/21/06		3.35	24.39
	2/6/07		3.34	24.40
	5/8/07		**3.53**	**24.21**
MW-4	5/25/06	26.23	2.54	23.69
	8/10/06		4.65	21.58
	11/21/06		4.63	21.60
	2/6/07		3.87	22.36
	5/8/07		**4.21**	**22.02**
MW-5	5/25/06	26.78	2.60	24.18
	8/10/06		3.40	23.38
	11/21/06		3.27	23.51
	2/6/07		3.10	23.68
	5/8/07		**3.00**	**23.78**

Notes:
Wells were resurveyed on April 27, 2006

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Alameda Gas, 1310 Central Avenue, Alameda, California

All results are in **parts per billion (ppb)**

Well/ Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	TAME	TBA	Other Oxygenates
MW-1										
9/6/99	5,700	8,700	170	59	22	85	20,000	NA	NA	NA
5/16/00	20,000	< 7,500	38	6.3	740	1,600	< 5.0	< 5.0	< 50	< 5.0
8/3/00	20,000	< 6,000	56	9.7	920	1,600	< 0.5	< 0.5	< 50	< 0.5
12/5/00	31,000	< 4,000	64	27	820	2,200	< 10	< 5.0	< 50	< 5.0
3/5/01	20,000	<4,000	19	<5.0	480	870	<5.0	<5.0	<50	<5.0
6/4/01	23,000	<7,000	58	50	710	2,100	5.1	<5.0	<50	<5.0
6/5/02	7,400	<1,500	9.3	6.7	180	230	<1.0	<1.0	<10	<1.0
9/9/02	8,300	< 3,500	32	20	390	670	< 2.0	< 2.0	< 20	< 2.0
12/19/02	5,100	--	7.9	2.5	56	93	< 1.0	< 1.0	< 10	< 1.0
3/10/03	2,000	< 2,000	3.4	2.9	80	98	< 0.5	< 0.5	< 5.0	< 0.5
6/3/03	7,300	< 4,000	6.8	9.9	300	1,000	2.3	< 0.5	< 5.0	< 0.5
9/18/03	9,000	< 3,000	26	22	420	1,200	4.5	< 1.5	< 20	< 1.5
12/22/03	4,300	< 2,000	12	6.7	200	290	9.1	< 1.0	< 10	< 1.0
3/12/04	7,000	< 3,000	8.3	8.2	250	760	3.9	< 2.0	< 20	< 2.0
6/11/04	13,000	< 4,000	26	27	530	1,700	< 2.5	< 2.5	< 15	< 2.5
9/13/04	17,000	< 4,000	37	42	840	2,000	< 5.0	< 5.0	< 50	< 5.0
12/16/04	1,800	< 1,000	5.9	1.9	100	35	16	< 0.5	< 5.0	< 0.5
3/21/05	7,500	< 3,000	3.4	4.2	290	760	< 1.5	< 1.5	< 20	< 1.5
6/23/05	11,000	< 8,000	15	11	370	910	2.4	< 1.5	< 7	< 1.5
9/30/05	9,800	< 4000	32	25	540	680	1.6	< 1.5	< 7.0	< 1.5
12/8/05	9,200	< 4,000	27	21	500	490	2.2	< 1.5	< 7.0	< 1.5
3/1/06	6,500	< 4,000	8.1	9.4	370	660	1.8	< 1.5	< 6.0	< 1.5
5/25/06	10,000	< 3,000	19	14	900	620	< 1.5	< 1.5	< 7.0	< 1.5
8/10/06	9,800	< 1,500	16	8.1	640	180	< 1.5	< 1.5	< 7.0	< 1.5
11/21/06	2,900	< 1,000	7.8	2.5	160	12	2.5	< 0.5	< 5.0	< 0.5
2/6/07	4,600	< 1,500	9.4	6.0	380	220	1.0	< 0.50	< 5.0	< 0.50
5/8/07	**3,700**	**< 800**	**10**	**4.6**	**320**	**86**	**1.5**	**< 0.50**	**< 5.0**	**< 0.50**

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Alameda Gas, 1310 Central Avenue, Alameda, California

All results are in **parts per billion (ppb)**

Well/ Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	TAME	TBA	Other Oxygenates
MW-2										
9/6/99	6,000	70	1,300	92	50	400	6,800	NA	NA	NA
5/16/00	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	< 5.0
8/3/00	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
12/5/00	< 50	1,400	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
3/5/01	<50	<50	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
6/4/01	<50	<50	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
6/5/02	< 50	2,300	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
9/9/02	< 50	1,300	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 0.5	< 5.0	< 0.5
12/19/02	< 50	--	< 0.5	< 0.5	< 0.5	< 0.5	16	< 0.5	< 5.0	< 0.5
3/10/03	< 50	3,000	< 0.5	< 0.5	< 0.5	< 0.5	1.0	< 0.5	< 5.0	< 0.5
6/3/03	< 50	700	< 0.5	< 0.5	< 0.5	< 0.5	2.0	< 0.5	< 5.0	< 0.5
9/18/03	< 50	1,400	< 0.5	< 0.5	< 0.5	< 0.5	4.7	< 0.5	< 5.0	< 0.5
12/22/03	< 50	1,000	< 0.5	< 0.5	< 0.5	< 0.5	39	< 0.5	< 5.0	< 0.5
3/12/04	< 50	250	< 0.5	< 0.5	< 0.5	< 0.5	2.1	< 0.5	< 5.0	< 0.5
6/11/04	< 50	920	< 0.5	< 0.5	< 0.5	< 0.5	0.75	< 0.5	< 5.0	< 0.5
9/13/04	< 50	140	< 0.5	< 0.5	< 0.5	< 0.5	1.5	< 0.5	< 5.0	< 0.5
12/16/04	< 50	150	< 0.5	< 0.5	< 0.5	< 0.5	12	< 0.5	< 5.0	< 0.5
3/21/05	< 50	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
6/23/05	< 50	1,100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
9/30/05	< 50	300	< 0.5	< 0.5	< 0.5	< 0.5	1.6	< 0.5	< 5.0	< 0.5
12/8/05	< 50	600	< 0.5	< 0.5	< 0.5	< 0.5	1.9	< 0.5	< 5.0	< 0.5
3/1/06	< 50	920	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
5/25/06	< 50	160	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5
8/10/06	< 50	870	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50
11/21/06	< 50	130	< 0.50	< 0.50	< 0.50	< 0.50	1.8	< 0.50	< 5.0	< 0.50
2/6/07	< 50	450	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50
5/8/07	**< 50**	**160**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 5.0**	**< 0.50**

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples
Alameda Gas, 1310 Central Avenue, Alameda, California

All results are in **parts per billion (ppb)**

Well/ Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	TAME	TBA	Other Oxygenates
MW-3										
9/6/99	43,000	870	860	70	< 0.5	65	120,000	NA	NA	NA
5/16/00	17,000	< 5,000	2,800	60	380	190	990	9.1	350	< 5.0
8/3/00	16,000	< 2,000	1,600	29	210	53	1,200	21	260	< 2.0
12/5/00	17,000	5,800	1,700	45	460	240	1,100	21	230	< 5.0
3/5/01	29,000	<1300	2,100	68	280	100	180	<8.0	<80	<8.0
6/4/01	17,000	<6,000	2,000	56	340	230	300	<10	130	<10
6/5/02	11,000	<2,000	1,600	46	210	47	790	<10	220	<10
9/9/02	12,000	< 800	1,400	44	130	27	760	< 10	160	< 10
12/19/02	10,000	--	740	32	180	38	86	< 5.0	< 50	< 5.0
3/10/03	13,000	< 6,000	1,200	42	240	35	470	5.3	140	< 5.0
6/3/03	6,500	< 3,000	750	21	46	15	1,300	< 50	280	< 2.5
9/18/03	9,800	< 3,000	1,500	38	170	32	420	< 10	150	< 10
12/22/03	8,800	< 2,000	1,100	32	82	20	330	5.8	52	< 5.0
3/12/04	7,600	< 3,000	590	23	69	17	470	9.2	63	< 2.5
6/11/04	7,800	< 2,000	840	19	58	15	710	12	140	< 1.5
9/13/04	7,500	< 1,500	840	17	23	7.8	730	15	93	< 2.5
12/16/04	9,300	< 2,000	1,100	26	76	13	600	12	130	< 2.5
3/21/05	11,000	< 3,000	1,200	37	190	24	460	9.3	100	< 2.5
6/23/05	9,600	< 4,000	1,100	28	93	23	370	8.2	67	< 2.5
9/30/05	9,000	< 3,000	690	18	32	14	380	8.4	72	< 1.5
12/8/05	8,700	< 3,000	560	23	38	12	350	6.9	82	< 1.5
3/1/06	8,400	< 2,000	410	24	42	13	360	8.0	58	< 1.5
5/25/06	9,900	< 2,000	630	25	13	13	190	5.3	59	< 1.5
8/10/06	14,000	< 3,000	690	43	130	26	200	5.4	70	< 1.5
11/21/06	10,000	< 3,000	580	37	96	25	240	6.3	72	< 1.5
2/6/07	7,700	< 1,000	520	36	90	23	260	7.4	54	< 1.5
5/8/07	**4,700**	**< 800**	**150**	**0.86**	**< 0.50**	**< 0.50**	**170**	**5.0**	**52**	**< 0.50**

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Alameda Gas, 1310 Central Avenue, Alameda, California

All results are in **parts per billion (ppb)**

Well/ Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	TAME	TBA	Other Oxygenates
MW-4										
5/25/06	< 50	86	< 0.5	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 5.0	< 0.5
8/10/06	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	1.2	< 0.50	< 5.0	< 0.50
11/21/06	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	0.59	< 0.50	< 5.0	< 0.50
2/6/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50
5/8/07	**< 50**	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 5.0**	**< 0.50**
MW-5										
5/25/06	410	< 80	< 2.5	< 2.5	< 2.5	< 2.5	1,800	28	44	< 2.5
8/10/06	55	< 50	< 0.50	< 0.50	< 0.50	< 0.50	1,100	19	9.1	< 0.50
11/21/06	< 250	< 50	< 2.5	< 2.5	< 2.5	< 2.5	1,500	25	28	< 2.5
2/6/07	430	< 50	6.9	< 2.5	< 2.5	< 2.5	1,600	26	34	< 2.5
5/8/07	**< 250**	**< 50**	**< 2.5**	**< 2.5**	**< 2.5**	**< 2.5**	**1,200**	**20**	**38**	**< 2.5**
ESL	**500**	**640**	**46**	**130**	**290**	**100**	**1,800**	**NE**	**18,000**	**VARIES**

Notes:

MTBE = Methyl-t-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

ESL = Environmental screening levels for sites where groundwater is not a current or potential source of drinking water as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (February 2005)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

NA = Samples Not Analyzed for this compound.

NE = ESLs are not established.

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Most recent data in bold.

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

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Alameda Gas

JOB NUMBER 3648 DATE OF SAMPLING

WELL ID. MW-1 SAMPLER

TOTAL DEPTH OF WELL 11.03 WELL DIAMETER

DEPTH TO WATER PRIOR TO PURGING

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: Alameda

JOB NUMBER: 3648 — DATE OF SAMPLING: 5-8-07

WELL ID.: MW-1 — SAMPLER: MZK

TOTAL DEPTH OF WELL: 16.0 — WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 3.88

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 12.12

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.9

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

TIME EVACUATION STARTED: 1040 — TIME EVACUATION COMPLETED: 1050

TIME SAMPLES WERE COLLECTED: 1100

DID WELL GO DRY: NO — AFTER HOW MANY GALLONS

VOLUME OF GROUNDWATER PURGED: 6.0

SAMPLING DEVICE

SAMPLE COLOR: Clear — ODOR/SEDIMENT: Slight O / gray silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	67.8	6.84	498
2	68.5	6.83	492
3	68.4	6.81	481

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: Alameda Gas

JOB NUMBER:

DATE OF SAMPLING: 5-8-07

WELL ID.: MW-2

SAMPLER: MLR

TOTAL DEPTH OF WELL: 12.20

WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 4.12

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 8.08

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.2

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 3.8

EQUIPMENT USED TO PURGE WELL:

TIME EVACUATION STARTED: 1120

TIME EVACUATION COMPLETED: 1130

TIME SAMPLES WERE COLLECTED: 1140

DID WELL GO DRY: No

AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 4.0

SAMPLING DEVICE:

SAMPLE COLOR: Clear

ODOR/SEDIMENT: slight O / No Sed

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	68.1	6.78	226
2	67.6	6.68	225
3	67.8	6.60	221

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: Alameda

JOB NUMBER

DATE OF SAMPLING: 5-8-07

WELL ID.: MW-3

SAMPLER: MLK

TOTAL DEPTH OF WELL: 16.0

WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 3.53

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 12.47

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.9

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 5.7

EQUIPMENT USED TO PURGE WELL

TIME EVACUATION STARTED: 1210

TIME EVACUATION COMPLETED: 1220

TIME SAMPLES WERE COLLECTED: 1230

DID WELL GO DRY: No

AFTER HOW MANY GALLONS

VOLUME OF GROUNDWATER PURGED: 6.0

SAMPLING DEVICE

SAMPLE COLOR: Clear

ODOR/SEDIMENT: Strong O / V. S slight sheen / under-purge

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	68.0	6.56	721
2	67.5	6.62	
3	67.4	6.65	706

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: Alameda

JOB NUMBER:

DATE OF SAMPLING: 5-8-07

WELL ID.: MW-4

SAMPLER: MLR

TOTAL DEPTH OF WELL: 14.0

WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 4.21

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 9.79

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.5

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 4.6

EQUIPMENT USED TO PURGE WELL:

TIME EVACUATION STARTED: 940

TIME EVACUATION COMPLETED: 950

TIME SAMPLES WERE COLLECTED: 1200

DID WELL GO DRY: Yes

AFTER HOW MANY GALLONS: 2.0

VOLUME OF GROUNDWATER PURGED:

SAMPLING DEVICE:

SAMPLE COLOR: clear

ODOR/SEDIMENT: No odor / trace silt

Hydac -pro

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	65.5	7.38	505
2	65.9	7.24	525
3	66.1	7.20	522

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Alameda

JOB NUMBER

DATE OF SAMPLING 5-4-07

WELL ID. MW-5

SAMPLER MCR

TOTAL DEPTH OF WELL 14.8

WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 3.00

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 11.80

NUMBER OF GALLONS PER WELL CASING VOLUME 1.8

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.6

EQUIPMENT USED TO PURGE WELL

TIME EVACUATION STARTED 1000

TIME EVACUATION COMPLETED 1010

TIME SAMPLES WERE COLLECTED 1020

DID WELL GO DRY No

AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.4

SAMPLING DEVICE

SAMPLE COLOR clear

ODOR/SEDIMENT Slight O / No S
Mdw - yes

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	65.7	6.79	735
2	65.1	6.77	740
3	65.0	6.76	744

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED

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APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF Analytical LLC

Report Number : 56432
Date : 5/18/2007

Mike Rauser
Aqua Science Engineers, Inc.
208 West El Pintado Rd.
Danville, CA 94526

Subject : 5 Water Samples
Project Name : Alameda Gas
Project Number : 3648

Dear Mr. Rauser,

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,

Joel Kiff

KIFF Analytical LLC

Report Number : 56432
Date : 5/18/2007

Subject : 5 Water Samples
Project Name : Alameda Gas
Project Number : 3648

Case Narrative

Tert-Butanol results for sample MW-5 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 20:1.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1 and MW-3.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for sample MW-2. These hydrocarbons are higher boiling than typical diesel fuel.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 56432

Date : 5/18/2007

Project Name : **Alameda Gas**

Project Number : **3648**

Sample : **MW-1** Matrix : Water Lab Number : 56432-01

Sample Date :5/8/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**10**	0.50	ug/L	EPA 8260B	5/15/2007
Toluene	**4.6**	0.50	ug/L	EPA 8260B	5/15/2007
Ethylbenzene	**320**	0.50	ug/L	EPA 8260B	5/15/2007
Total Xylenes	**86**	0.50	ug/L	EPA 8260B	5/15/2007
Methyl-t-butyl ether (MTBE)	**1.5**	0.50	ug/L	EPA 8260B	5/15/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/15/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/15/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	5/15/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	5/15/2007
TPH as Gasoline	**3700**	50	ug/L	EPA 8260B	5/15/2007
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	5/15/2007
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	5/15/2007
TPH as Diesel (Silica Gel)	**< 800**	800	ug/L	M EPA 8015	5/18/2007
Octacosane (Diesel Silica Gel Surr)	94.7		% Recovery	M EPA 8015	5/18/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 56432

Date : 5/18/2007

Project Name : **Alameda Gas**

Project Number : **3648**

Sample : **MW-2** Matrix : Water Lab Number : 56432-02

Sample Date :5/8/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	5/18/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/18/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	5/18/2007
4-Bromofluorobenzene (Surr)	93.9		% Recovery	EPA 8260B	5/18/2007
TPH as Diesel (Silica Gel)	**160**	50	ug/L	M EPA 8015	5/17/2007
Octacosane (Diesel Silica Gel Surr)	113		% Recovery	M EPA 8015	5/17/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 56432
Date : 5/18/2007

Project Name : **Alameda Gas**
Project Number : **3648**

Sample : **MW-3** Matrix : Water Lab Number : 56432-03

Sample Date :5/8/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**150**	0.50	ug/L	EPA 8260B	5/18/2007
Toluene	**0.86**	0.50	ug/L	EPA 8260B	5/18/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Methyl-t-butyl ether (MTBE)	**170**	0.50	ug/L	EPA 8260B	5/18/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Tert-amyl methyl ether (TAME)	**5.0**	0.50	ug/L	EPA 8260B	5/18/2007
Tert-Butanol	**52**	5.0	ug/L	EPA 8260B	5/18/2007
TPH as Gasoline	**4700**	50	ug/L	EPA 8260B	5/18/2007
Toluene - d8 (Surr)	97.3		% Recovery	EPA 8260B	5/18/2007
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	5/18/2007
TPH as Diesel (Silica Gel)	**< 800**	800	ug/L	M EPA 8015	5/18/2007
Octacosane (Diesel Silica Gel Surr)	111		% Recovery	M EPA 8015	5/18/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 56432
Date : 5/18/2007

Project Name : **Alameda Gas**
Project Number : **3648**

Sample : **MW-4** Matrix : Water Lab Number : 56432-04

Sample Date :5/8/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	5/18/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	5/18/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/18/2007
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	5/18/2007
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	5/18/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	5/17/2007
Octacosane (Diesel Silica Gel Surr)	91.8		% Recovery	M EPA 8015	5/17/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 56432
Date : 5/18/2007

Project Name : **Alameda Gas**
Project Number : **3648**

Sample : **MW-5** Matrix : Water Lab Number : 56432-05

Sample Date :5/8/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 2.5**	2.5	ug/L	EPA 8260B	5/17/2007
Toluene	**< 2.5**	2.5	ug/L	EPA 8260B	5/17/2007
Ethylbenzene	**< 2.5**	2.5	ug/L	EPA 8260B	5/17/2007
Total Xylenes	**< 2.5**	2.5	ug/L	EPA 8260B	5/17/2007
Methyl-t-butyl ether (MTBE)	**1200**	2.5	ug/L	EPA 8260B	5/17/2007
Diisopropyl ether (DIPE)	**< 2.5**	2.5	ug/L	EPA 8260B	5/17/2007
Ethyl-t-butyl ether (ETBE)	**< 2.5**	2.5	ug/L	EPA 8260B	5/17/2007
Tert-amyl methyl ether (TAME)	**20**	2.5	ug/L	EPA 8260B	5/17/2007
Tert-Butanol	**38 J**	15	ug/L	EPA 8260B	5/17/2007
TPH as Gasoline	**< 250**	250	ug/L	EPA 8260B	5/17/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	5/17/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	5/17/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	5/17/2007
Octacosane (Diesel Silica Gel Surr)	107		% Recovery	M EPA 8015	5/17/2007

Approved By: Joel Kiff

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

Report Number : 56432

Date : 5/18/2007

QC Report : Method Blank Data

Project Name : **Alameda Gas**

Project Number : **3648**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	5/14/2007
Octacosane (Diesel Silica Gel Surr)	97.1		%	M EPA 8015	5/14/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/14/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/14/2007
Toluene - d8 (Surr)	100		%	EPA 8260B	5/14/2007
4-Bromofluorobenzene (Surr)	93.9		%	EPA 8260B	5/14/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2007
Toluene - d8 (Surr)	102		%	EPA 8260B	5/17/2007
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	5/17/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2007
Toluene - d8 (Surr)	100		%	EPA 8260B	5/17/2007
4-Bromofluorobenzene (Surr)	95.1		%	EPA 8260B	5/17/2007

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 56432

Date : 5/18/2007

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Alameda Gas**

Project Number : **3648**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	56379-10	1.1	40.0	40.0	41.4	40.5	ug/L	EPA 8260B	5/14/07	101	98.6	2.32	70-130	25
Toluene	56379-10	0.60	40.0	40.0	42.2	37.9	ug/L	EPA 8260B	5/14/07	104	93.2	11.0	70-130	25
Tert-Butanol	56379-10	<5.0	200	200	201	202	ug/L	EPA 8260B	5/14/07	100	101	0.813	70-130	25
Methyl-t-Butyl Ether	56379-10	26	40.0	40.0	66.0	68.4	ug/L	EPA 8260B	5/14/07	101	107	5.94	70-130	25
Benzene	56488-02	<0.50	40.0	40.0	38.8	37.7	ug/L	EPA 8260B	5/17/07	97.1	94.2	3.00	70-130	25
Toluene	56488-02	<0.50	40.0	40.0	40.2	39.1	ug/L	EPA 8260B	5/17/07	100	97.8	2.70	70-130	25
Tert-Butanol	56488-02	<5.0	200	200	211	211	ug/L	EPA 8260B	5/17/07	106	105	0.292	70-130	25
Methyl-t-Butyl Ether	56488-02	0.72	40.0	40.0	39.8	39.5	ug/L	EPA 8260B	5/17/07	97.8	96.9	0.948	70-130	25
Benzene	56466-04	<0.50	40.0	40.0	40.6	40.5	ug/L	EPA 8260B	5/17/07	101	101	0.266	70-130	25
Toluene	56466-04	<0.50	40.0	40.0	41.3	40.9	ug/L	EPA 8260B	5/17/07	103	102	1.00	70-130	25
Tert-Butanol	56466-04	<5.0	200	200	204	202	ug/L	EPA 8260B	5/17/07	102	101	0.965	70-130	25
Methyl-t-Butyl Ether	56466-04	0.92	40.0	40.0	39.8	39.8	ug/L	EPA 8260B	5/17/07	97.3	97.1	0.138	70-130	25
TPH as Diesel	Blank	<50	1000	1000	823	848	ug/L	M EPA 8015	5/14/07	82.3	84.8	3.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 56432

Date : 5/18/2007

QC Report : Laboratory Control Sample (LCS)

Project Name : **Alameda Gas**

Project Number : **3648**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/14/07	104	70-130
Toluene	40.0	ug/L	EPA 8260B	5/14/07	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/14/07	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/14/07	92.1	70-130
Benzene	40.0	ug/L	EPA 8260B	5/17/07	92.2	70-130
Toluene	40.0	ug/L	EPA 8260B	5/17/07	97.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/17/07	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/17/07	94.6	70-130
Benzene	40.0	ug/L	EPA 8260B	5/17/07	102	70-130
Toluene	40.0	ug/L	EPA 8260B	5/17/07	96.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/17/07	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/17/07	88.5	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

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

Chain of Custody

PAGE 1 of 1

SAMPLER (SIGNATURE) M. Rauscher

PROJECT NAME Alameda Gas JOB NO.

ADDRESS 1310 Central Ave, Alameda, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015/8020) (8260)	TPH-DIESEL w/ Silica cleanup (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	CAM 17 METALS (EPA 6010+7000)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	Pb (TOTAL or DISSOLVED) (EPA 6010)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8260)	PURGEABLE HALOCARBONS (EPA 601/8010)	TPH-G/BTEX/5 OXYS (EPA METHOD 8260)	MULTI-RANGE HYDROCARBONS WITH SILICA GEL CLEANUP (EPA 8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	LUFT METALS (5) (EPA 6010+7000)	COMPOSITE 4:1	EDF		HOLD	
MW-1	5-4-07	1100	W	4	X	X													X			01
MW-2		1140			X	X													X			02
MW-3		1230			X	X													X			03
MW-4		1200			X	X													X			04
MW-5		1020			X	X													X			05

SAMPLE RECEIPT
Temp °C 2.8 Therm. ID# IR-5
Initial RM Date 05/10/07
Time 1205 Cooling present: YES NO

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:
M. Rauscher 1500			Ron McGee 1148
(signature) (time)	(signature) (time)	(signature) (time)	(signature) (time)
M. Rauscher 5-8-07			Ron McGee 051107
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date)
Company-ASE, INC.	Company-	Company-	Company- Kiff Analytical

COMMENTS:
HC = VOAs

TURN AROUND TIME
STANDARD 24Hr 48Hr 72Hr
OTHER: