AQUA SCIENCE ENGINEERS

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December 27, 2005

QUARTERLY GROUNDWATER MONITORING REPORT
DECEMBER 2005 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.
208 W. El Pintado
Danville, CA 94526
(925) 820-9391

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)
208 West El Pintado
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 December 2005 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 December 8, 2005, 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-1 and 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 west-southwest with a gradient of approximately 0.006 feet/foot. Groundwater flow direction beneath the site has varied from quarter to quarter. Additionally, monitoring wells, MW-1 and MW-3 in particular, have consistently been noted to be under pressure.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Prior to sampling, all three 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 and MW-3. 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 three site monitoring wells were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX), and fuel oxygenates by EPA Method 8260, and total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 3550/8015M. 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

Concentrations for all analyzed compounds in water collected from monitoring wells MW-1, MW-2 and MW-3 remained very similar to previous results.

Concentrations Exceeding Environmental Screening Levels (ESLs)[1]

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

5.0 RECOMMENDATIONS

ASE recommends that this site remain on a quarterly sampling schedule. The next sampling is scheduled for May 2006. ASE recommended an additional groundwater monitoring well and an additional soil boring in the January 30, 2004 report. ASE will implement the recommendations once a written request has been made by the ACHCSA.

6.0 REPORT LIMITATIONS

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

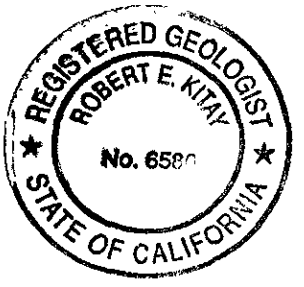
[1] As presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region dated February 2005.

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
Staff Geologist



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

Attachments: Table One and Two
Figures 1 and 2
Appendices A and B

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

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**
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**
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**

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Saldian Property-Alameda

Petroleum Hydrocarbons

All results 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**
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**
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**
ESL	500	640	46	130	290	100	1,800	NE	NE	VARIES

Notes,

MTBE = Methyl-t-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

ESL = Environmental screening levels 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

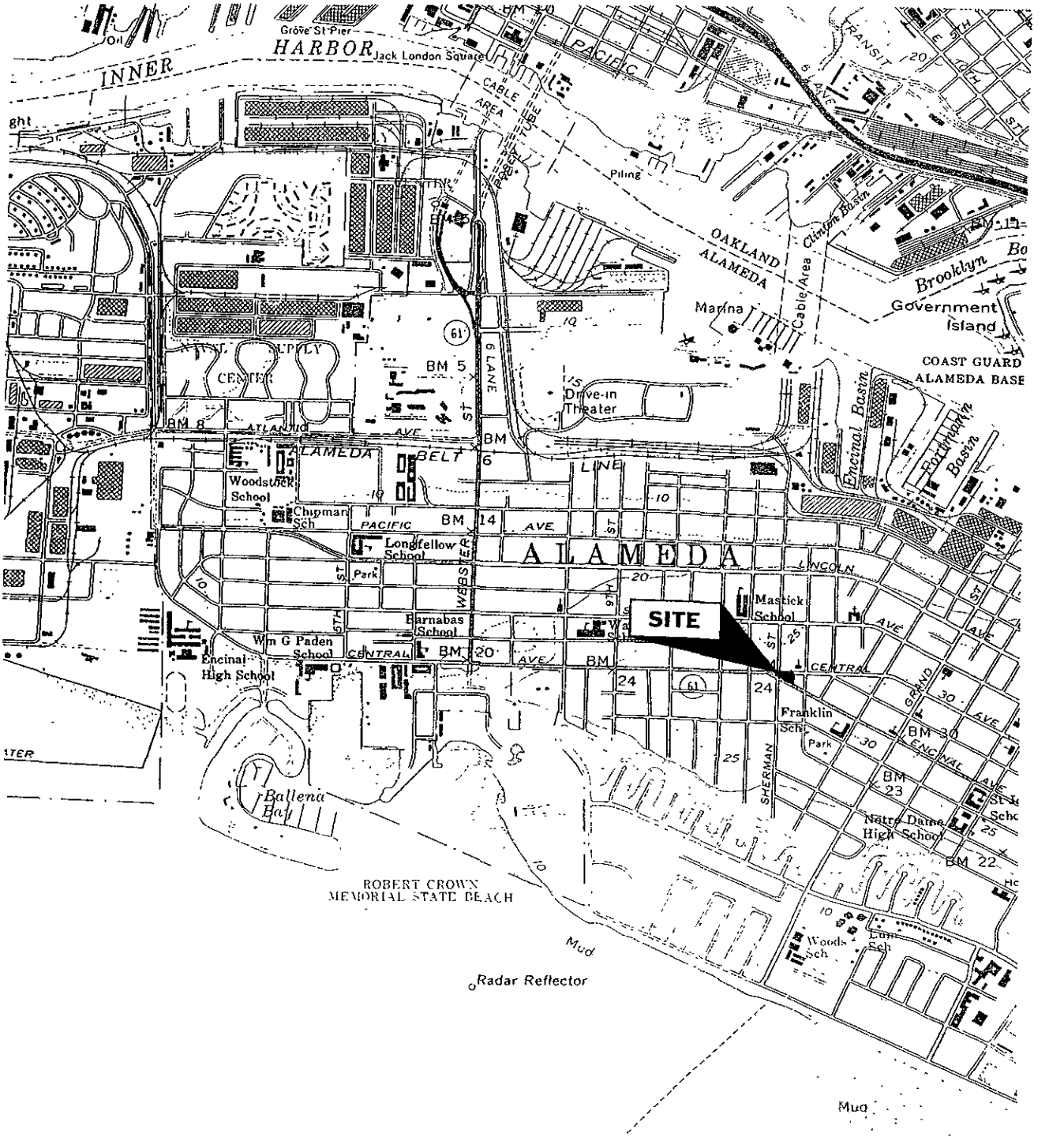
NA = Samples Not Analyzed for this compound.

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.

FIGURES

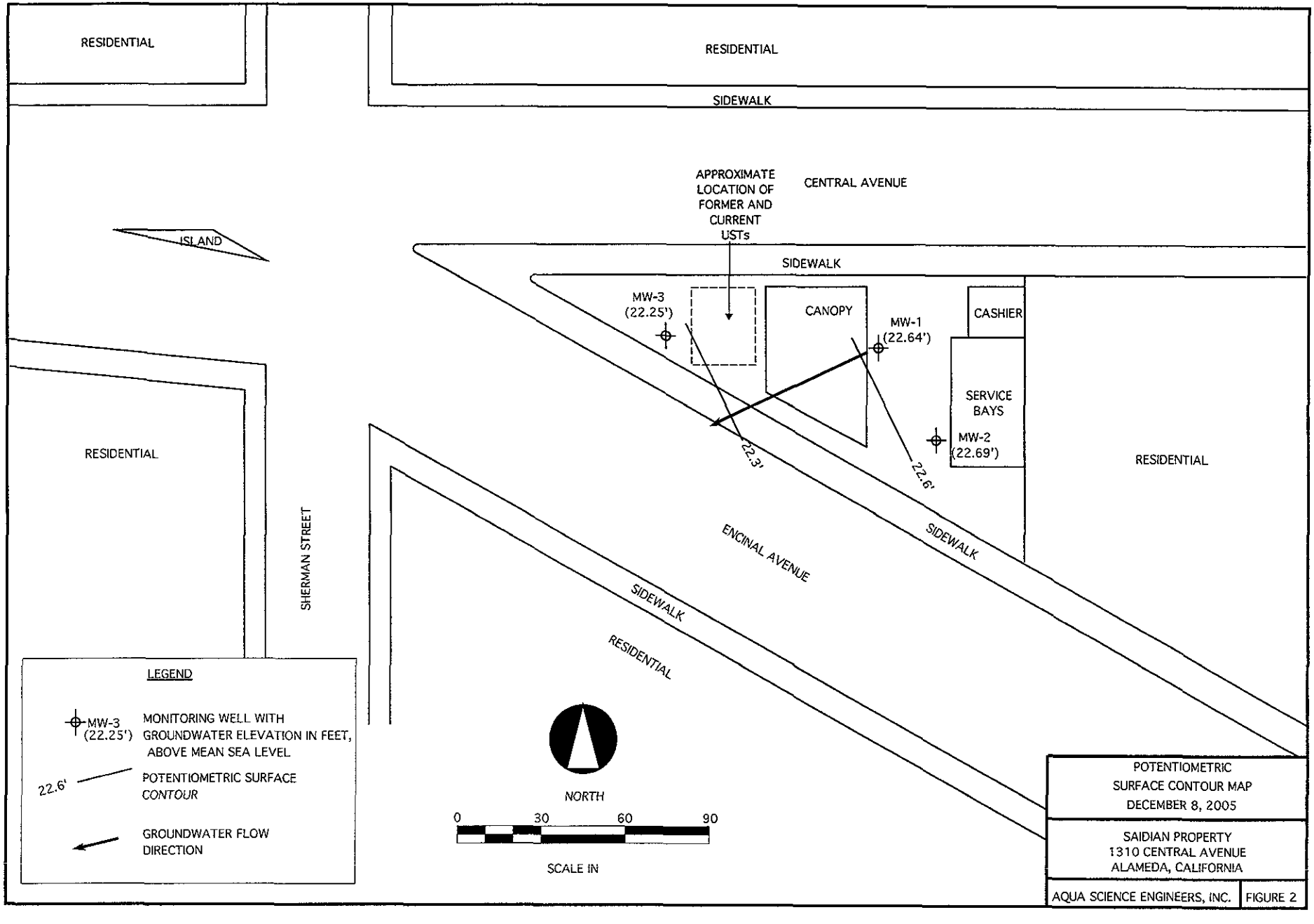


NORTH

LOCATION MAP

SAIDIAN PROPERTY
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 1


RESIDENTIAL
RESIDENTIAL
SIDEWALK
APPROXIMATE LOCATION OF FORMER AND CURRENT USTs
CENTRAL AVENUE
ISLAND
SIDEWALK
MW-3 (22.25')
CANOPY
MW-1 (22.64')
CASHIER
SERVICE BAYS
MW-2 (22.69')
RESIDENTIAL
RESIDENTIAL
22.3'
22.6'
SHERMAN STREET
ENCINAL AVENUE
SIDEWALK
SIDEWALK
RESIDENTIAL
LEGEND
MW-3 (22.25') MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET, ABOVE MEAN SEA LEVEL
22.6' POTENTIOMETRIC SURFACE CONTOUR
GROUNDWATER FLOW DIRECTION
NORTH
0 30 60 90
SCALE IN
POTENTIOMETRIC SURFACE CONTOUR MAP
DECEMBER 8, 2005
SAIDIAN PROPERTY
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA
AQUA SCIENCE ENGINEERS, INC.
FIGURE 2

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Hawaii Gas

JOB NUMBER 3648 DATE OF SAMPLING 12-8-05

WELL ID. MW-1 SAMPLER dr

TOTAL DEPTH OF WELL 11.05 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 4.21

PRODUCT THICKNESS ~~0~~

DEPTH OF WELL CASING IN WATER 6.84

NUMBER OF GALLONS PER WELL CASING VOLUME 1.16

NUMBER OF WELL CASING VOLUMES TO BE REMOVE 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 3.48

EQUIPMENT USED TO PURGE WELL disposable bailer

TIME EVACUATION STARTED 812 TIME EVACUATION COMPLETED 830

TIME SAMPLES WERE COLLECTED 831

DID WELL GO DRY no AFTER HOW MANY GALLONS n/a

VOLUME OF GROUNDWATER PURGED 3.5

SAMPLING DEVICE disposable bailer

SAMPLE COLOR grey w/ sheen ODOR/SEDIMENT very strong

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	69.7	7.22	570
2	66.21	6.84	515
3	64.4	6.73	505

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40ml VOA	EPA 8015	Y

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Alameda Gas

JOB NUMBER 3649 DATE OF SAMPLING 12-8-05

WELL ID. MW-2 SAMPLER dr

TOTAL DEPTH OF WELL 17.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 4.49

PRODUCT THICKNESS ∅

DEPTH OF WELL CASING IN WATER 13.31

NUMBER OF GALLONS PER WELL CASING VOLUME 2.26

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.78

EQUIPMENT USED TO PURGE WELL disposable bailer

TIME EVACUATION STARTED 847 TIME EVACUATION COMPLETED 905

TIME SAMPLES WERE COLLECTED 906

DID WELL GO DRY no AFTER HOW MANY GALLONS n/a

VOLUME OF GROUNDWATER PURGED 6.8

SAMPLING DEVICE disposable bailer

SAMPLE COLOR clear ODOR/SEDIMENT no / no

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.1	6.70	351
2	65.8	6.45	361
3	67.2	6.44	352

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	5	40ml VOA	8260 + 8015	Y

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Alameda Gas

JOB NUMBER 3648 DATE OF SAMPLING 12-8-05

WELL ID. MW-3 SAMPLER AS

TOTAL DEPTH OF WELL 16.16 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 3.05

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 13.11

NUMBER OF GALLONS PER WELL CASING VOLUME 2.2

NUMBER OF WELL CASING VOLUMES TO BE REMOVE 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.6

EQUIPMENT USED TO PURGE WELL disposable bailer

TIME EVACUATION STARTED 930 TIME EVACUATION COMPLETED 944

TIME SAMPLES WERE COLLECTED 945

DID WELL GO DRY No AFTER HOW MANY GALLONS n/a

VOLUME OF GROUNDWATER PURGED 6.6

SAMPLING DEVICE disposable bailer

SAMPLE COLOR grey / slight sheen ODOR/SEDIMENT hydro /

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	68.9	6.46	603
2	67.8	6.47	603
3	67.9	6.46	603

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40ml VOA	8260 - 8015	Y

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF Analytical LLC

Report Number : 47400
Date : 12/19/2005

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

Subject : 3 Water Samples
Project Name : Alameda
Project Number : 3648

Dear Mr. Allen,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 47400
Date : 12/19/2005

Subject : 3 Water Samples
Project Name : Alameda
Project Number : 3648

Case Narrative

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 : 47400
Date : 12/19/2005

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

Sample : **MW-1** Matrix : Water Lab Number : 47400-01
Sample Date :12/8/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**27**	1.5	ug/L	EPA 8260B	12/17/2005
Toluene	**21**	1.5	ug/L	EPA 8260B	12/17/2005
Ethylbenzene	**500**	1.5	ug/L	EPA 8260B	12/17/2005
Total Xylenes	**490**	1.5	ug/L	EPA 8260B	12/17/2005
Methyl-t-butyl ether (MTBE)	**2.2**	1.5	ug/L	EPA 8260B	12/17/2005
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	12/17/2005
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	12/17/2005
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	12/17/2005
Tert-Butanol	**< 7.0**	7.0	ug/L	EPA 8260B	12/17/2005
TPH as Gasoline	**9200**	150	ug/L	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	96.0		% Recovery	EPA 8260B	12/17/2005
TPH as Diesel	**< 4000**	4000	ug/L	M EPA 8015	12/15/2005
Octacosane (Diesel Surrogate)	90.0		% Recovery	M EPA 8015	12/15/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 47400
Date : 12/19/2005

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

Sample : **MW-2** Matrix : Water Lab Number : 47400-02
Sample Date :12/8/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Methyl-t-butyl ether (MTBE)	**1.9**	0.50	ug/L	EPA 8260B	12/17/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/17/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/17/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	12/17/2005
TPH as Diesel	**600**	50	ug/L	M EPA 8015	12/15/2005
Octacosane (Diesel Surrogate)	93.2		% Recovery	M EPA 8015	12/15/2005

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 47400
Date : 12/19/2005

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

Sample : **MW-3** Matrix : Water Lab Number : 47400-03
Sample Date :12/8/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**560**	1.5	ug/L	EPA 8260B	12/17/2005
Toluene	**23**	1.5	ug/L	EPA 8260B	12/17/2005
Ethylbenzene	**38**	1.5	ug/L	EPA 8260B	12/17/2005
Total Xylenes	**12**	1.5	ug/L	EPA 8260B	12/17/2005
Methyl-t-butyl ether (MTBE)	**350**	1.5	ug/L	EPA 8260B	12/17/2005
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	12/17/2005
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	12/17/2005
Tert-amyl methyl ether (TAME)	**6.9**	1.5	ug/L	EPA 8260B	12/17/2005
Tert-Butanol	**82**	7.0	ug/L	EPA 8260B	12/17/2005
TPH as Gasoline	**8700**	150	ug/L	EPA 8260B	12/17/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/17/2005
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	12/17/2005
TPH as Diesel	**< 3000**	3000	ug/L	M EPA 8015	12/15/2005
Octacosane (Diesel Surrogate)	90.8		% Recovery	M EPA 8015	12/15/2005

Approved By: Joel Kiff

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

Report Number : 47400

Date : 12/19/2005

QC Report : Method Blank Data

Project Name : **Alameda**

Project Number : **3648**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/14/2005
Octacosane (Diesel Surrogate)	93.2		%	M EPA 8015	12/14/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Toluene	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	< 0 50	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	< 5 0	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	12/16/2005
Benzene	< 0 50	0 50	ug/L	EPA 8260B	12/16/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/16/2005
Ethylbenzene	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Total Xylenes	< 0 50	0.50	ug/L	EPA 8260B	12/16/2005
Methyl-t-butyl ether (MTBE)	< 0 50	0.50	ug/L	EPA 8260B	12/16/2005
Diisopropyl ether (DIPE)	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0 50	ug/L	EPA 8260B	12/16/2005
Tert-amyl methyl ether (TAME)	< 0 50	0.50	ug/L	EPA 8260B	12/16/2005
Tert-Butanol	< 5 0	5.0	ug/L	EPA 8260B	12/16/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/16/2005
Toluene - d8 (Surr)	98.7		%	EPA 8260B	12/16/2005
4-Bromofluorobenzene (Surr)	92 4		%	EPA 8260B	12/16/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47400

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/19/2005

Project Name : **Alameda**

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
TPH as Diesel	Blank	<50	1000	1000	860	910	ug/L	M EPA 8015	12/14/05	86.0	91.0	5.67	70-130	25
Benzene	47452-07	<0.50	40.0	40.0	40.2	36.4	ug/L	EPA 8260B	12/16/05	100	91.0	9.88	70-130	25
Toluene	47452-07	<0.50	40.0	40.0	40.1	36.8	ug/L	EPA 8260B	12/16/05	100	91.9	8.73	70-130	25
Tert-Butanol	47452-07	<5.0	200	200	205	192	ug/L	EPA 8260B	12/16/05	102	96.0	6.57	70-130	25
Methyl-t-Butyl Ether	47452-07	<0.50	40.0	40.0	39.9	35.9	ug/L	EPA 8260B	12/16/05	99.7	89.7	10.6	70-130	25
Benzene	47424-09	<0.50	40.0	40.0	42.9	41.8	ug/L	EPA 8260B	12/16/05	107	105	2.41	70-130	25
Toluene	47424-09	<0.50	40.0	40.0	42.0	41.4	ug/L	EPA 8260B	12/16/05	105	103	1.47	70-130	25
Tert-Butanol	47424-09	<5.0	200	200	212	202	ug/L	EPA 8260B	12/16/05	106	101	4.87	70-130	25
Methyl-t-Butyl Ether	47424-09	2.8	40.0	40.0	42.9	45.0	ug/L	EPA 8260B	12/16/05	100	106	5.08	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47400

QC Report : Laboratory Control Sample (LCS)

Date : 12/19/2005

Project Name : **Alameda**

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	12/16/05	99.0	70-130
Toluene	40.0	ug/L	EPA 8260B	12/16/05	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/16/05	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/16/05	99.3	70-130
Benzene	40.0	ug/L	EPA 8260B	12/16/05	105	70-130
Toluene	40.0	ug/L	EPA 8260B	12/16/05	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/16/05	99.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/16/05	100	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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KIFF

47400

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AQUA SCIENCE ENGINEERS
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Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

Analytical Laboratory Name: KIFF

Project Name: Alameda

Sample Location: 1310 Central Ave Alameda, CA

Sampled by: David Rains

Sampler Signature:

Sample ID	Sample Type: Grab	Sample Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Other	Matrix: Other	Method Preserved: Cold (4° C)	Method Preserved: HCL	Method Preserved: HNO_3	Method Preserved: Other	Sampling: Number of Containers	Sampling: Date	Sampling: Time	Type of Analysis to be Performed: GRO, BETX, Autoxygenates EPA 8260	Type of Analysis to be Performed: TPH-D EPA 3550/8015m	Type of Analysis to be Performed: EDF	Other	Turnaround Time: Standard	Turnaround Time: 1 day	Turnaround Time: 2 day	Turnaround Time: 5 day	Turnaround Time: Other	
MW-1	X		X				X	X			5	12/8/05	0831	X	X			X					01
MW-2	↓		↓				↓	↓			5	12/8/05	0906	↓	↓			↓					02
MW-3	↓		↓				↓	↓			5	12/8/05	0945	↓	↓	↓		↓					03

Total # of containers: 15

Relinquished by:	Date	Time	Received by:	Date	Time
			Jason N Kenny KIFF Analytical	121305	1403

Comments: **Sample Receipt**
Temp °C 2.6°C Therm. ID# IR4
Initial SN1
Date 121305 Time 1620
Coolant present: (Yes) / No

8/24/00