aqua science engineers inc.

August 30, 2005

QUARTERLY GROUNDWATER MONITORING REPORT
JUNE 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

Ms. Betty Graham
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 June 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 June 23, 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 or sheen were observed in any of the monitoring wells this quarter. 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 0.009-feet/foot. The 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

- The concentrations of all compounds analyzed in the groundwater sample collected from monitoring well MW-1 rose slightly in comparison to last quarter's results.

- The TPH-D concentration in the groundwater sample collected from monitoring well MW-2 rose one order of magnitude in comparison to last quarter's results.

- The concentrations of all compounds analyzed in the groundwater sample collected from monitoring well MW-3 dropped slightly in comparison to last quarter's results.

The TPH-G, ethylbenzene and total xylenes concentrations detected in the groundwater sample collected from monitoring well MW-1 exceeded the 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. The TPH-D concentration detected in the groundwater sample collected from MW-2 also exceeded the ESL. The TPH-G, benzene and total xylenes concentrations detected in the groundwater sample collected from MW-3 also exceeded the ESLs.

5.0 RECOMMENDATIONS

ASE recommends that this site remain on a quarterly sampling schedule. The next sampling is scheduled for September 2005. ASE will also complete an area well survey, site conceptual model and updated workplan for soil and groundwater investigation during the next quarter.

6.0 REPORT LIMITATIONS

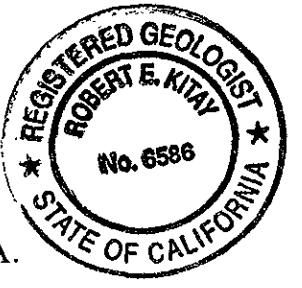
The results presented in this report represent the conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting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

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

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

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

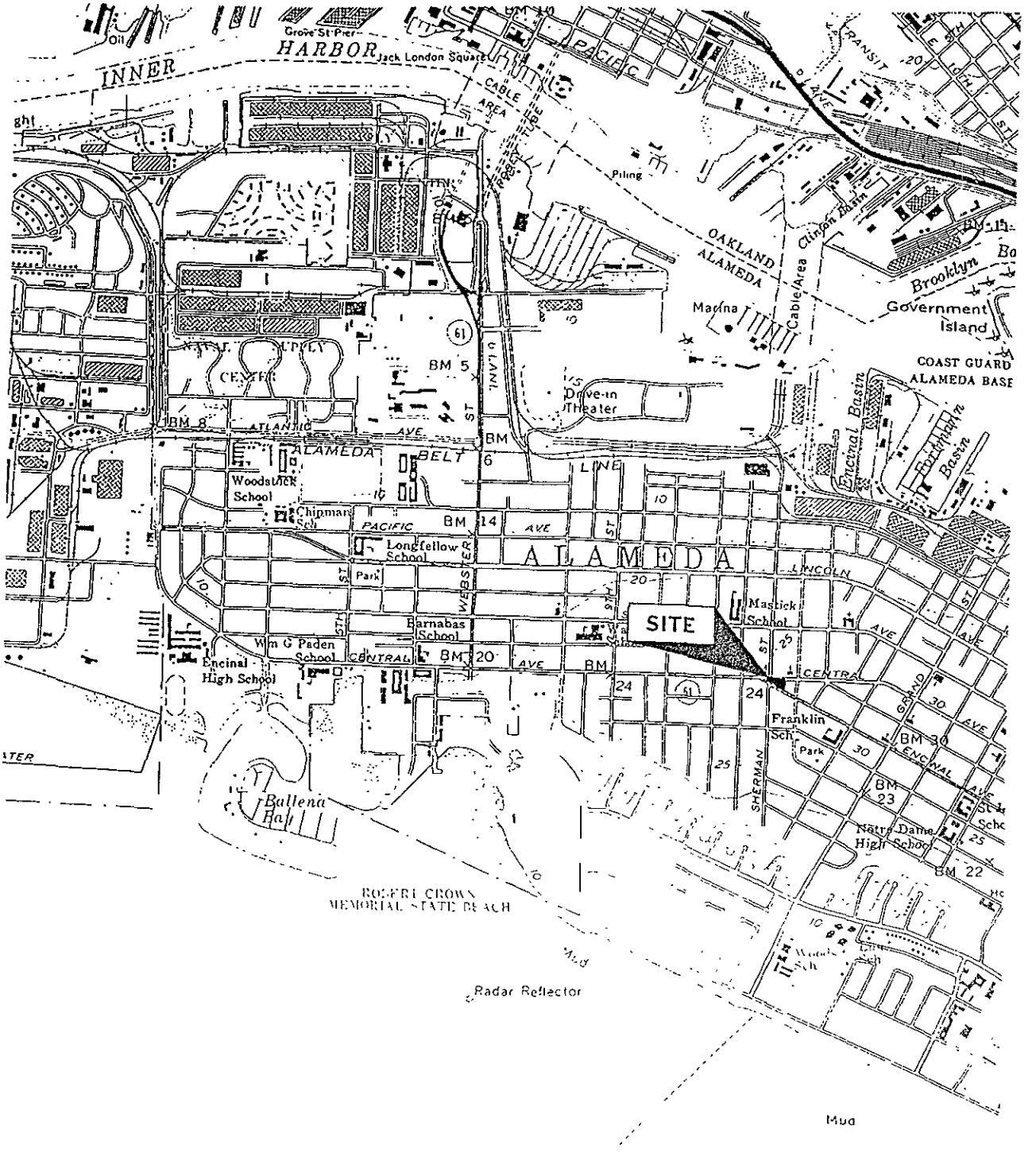


Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: 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

FIGURES

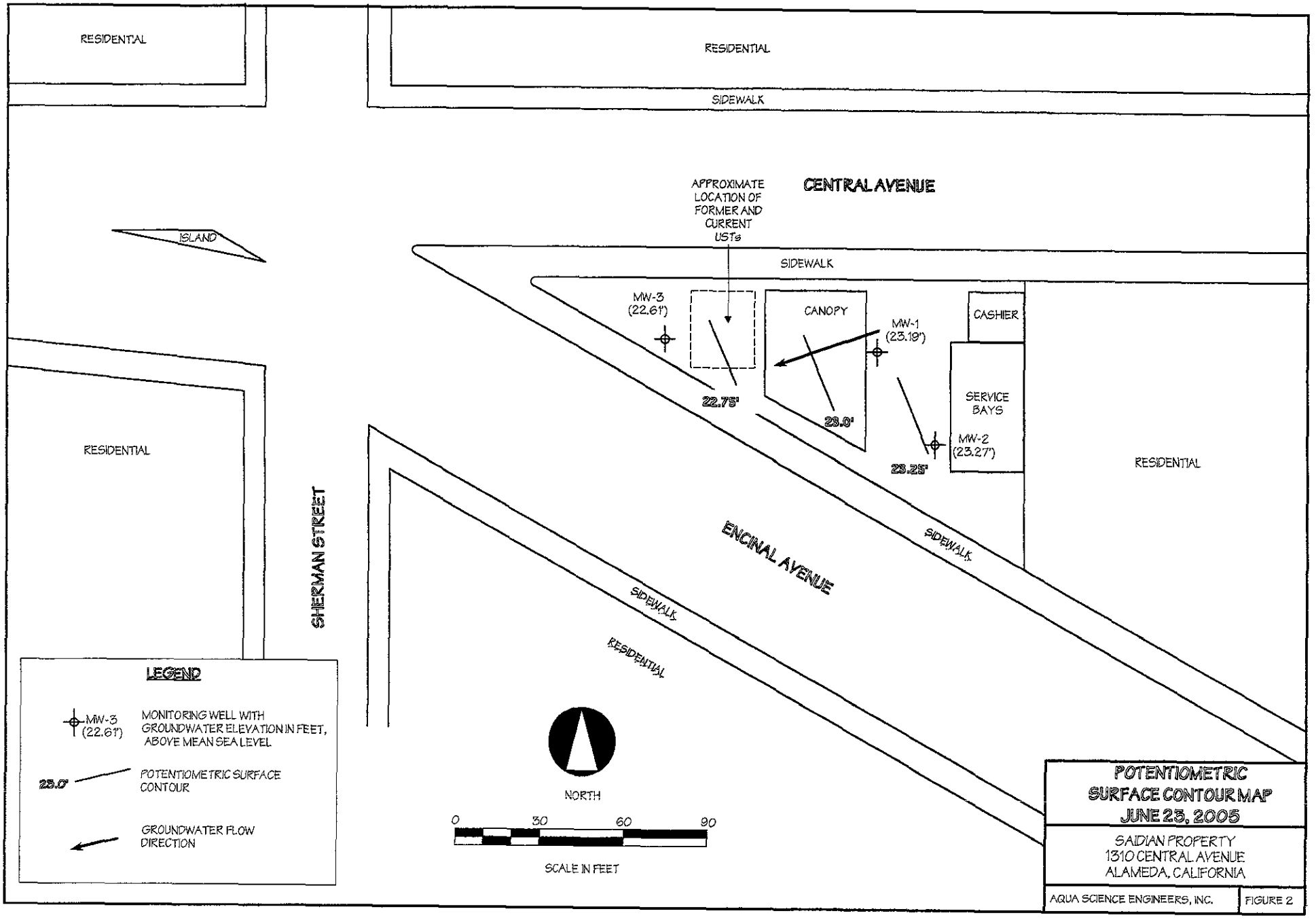


NORTH

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 (22.61')
CANOPY
MW-1 (23.19')
CASHIER
22.75'
23.0'
SERVICE BAYS
MW-2 (23.27')
23.25'
RESIDENTIAL
RESIDENTIAL
SHERMAN STREET
ENCINAL AVENUE
SIDEWALK
SIDEWALK
RESIDENTIAL
LEGEND
MW-3 (22.61') MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET, ABOVE MEAN SEA LEVEL
23.0' POTENTIOMETRIC SURFACE CONTOUR
GROUNDWATER FLOW DIRECTION
NORTH
0 30 60 90
SCALE IN FEET
POTENTIOMETRIC SURFACE CONTOUR MAP
JUNE 23, 2005
SAIDIAN PROPERTY
1310 CENTRAL AVENUE
ALAMEDA, CALIFORNIA
AQUA SCIENCE ENGINEERS, INC.
FIGURE 2

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**
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**

TABLE ONE
Groundwater Elevation Data
Saldlan 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**

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Saldian Property-Alameda

Petroleum Hydrocarbons

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**	**< 7.0**	**< 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**

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Saldian Property-Alameda

Petroleum Hydrocarbons

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**
ESL	500	640	46	130	290	13	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 (July 2003)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

NA = Samples Not Analyzed for this compound.

NE = DHS MCLs are not established.

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

Most recent data in bold.

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALAMEDA

JOB NUMBER 3648 DATE OF SAMPLING 6-23-05

WELL ID. MW-1 SAMPLER DA

TOTAL DEPTH OF WELL 18.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 3.66

PRODUCT THICKNESS —

DEPTH OF WELL CASING IN WATER 14.34

NUMBER OF GALLONS PER WELL CASING VOLUME 2.29

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.9

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 1047 TIME EVACUATION COMPLETED 1105

TIME SAMPLES WERE COLLECTED 1110

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 7

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR GRAY ODOR/SEDIMENT SLIGHT HC / SILT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	71.7	6.71	388
2	70.5	6.74	441
3	70.5	6.76	440

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40 mL VOA	8260 + 8015	✓

(1) 1/2 FULL DRUM LEFT ON SITE

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALAMEDA

JOB NUMBER 3648 DATE OF SAMPLING 06.23.05

WELL ID. MW-2 SAMPLER DA

TOTAL DEPTH OF WELL 17.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 3.91

PRODUCT THICKNESS ~~0~~

DEPTH OF WELL CASING IN WATER 13.89

NUMBER OF GALLONS PER WELL CASING VOLUME 2.22

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 7

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 1030 TIME EVACUATION COMPLETED 1040

TIME SAMPLES WERE COLLECTED 1042

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 7

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR BROWN ODOR/SEDIMENT NONE/SLT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	71.0	6.35	266
2	70.1	6.32	234
3	69.2	6.26	225

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	5 ~~3~~	40ml VOA	8260 + 8015	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME ALAMEDA

JOB NUMBER 3648 DATE OF SAMPLING 06-23-05

WELL ID. MW-3 SAMPLER DA

TOTAL DEPTH OF WELL 18.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 2.69

PRODUCT THICKNESS ~~0~~

DEPTH OF WELL CASING IN WATER 15.31

NUMBER OF GALLONS PER WELL CASING VOLUME 2.44

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 7.5

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 1123 TIME EVACUATION COMPLETED 1133

TIME SAMPLES WERE COLLECTED 1135

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 8

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR GRAY ODOR/SEDIMENT STRONG HC (SHEEN)/SILT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	71.4	6.54	569
2	69.4	6.53	545
3	69.4	6.55	551

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40 ML VOA	8260 + 8015	V

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF Analytical LLC

Report Number : 44528
Date : 7/5/2005

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

Subject : 3 Water Samples
Project Name : SAIDIAN - 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 : 44528
Date : 7/5/2005

Subject : 3 Water Samples
Project Name : SAIDIAN - 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.

Surrogate recovery for Method 8015, for sample MW-2 is above the control limit. This may indicate a bias in the analysis due to the sample's matrix or an interference with the surrogate from compounds present in the sample.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 44528
Date : 7/5/2005

Project Name : **SAIDIAN - ALAMEDA**
Project Number : **3648**

Sample : **MW-1** Matrix : Water Lab Number : 44528-01
Sample Date :6/23/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**15**	1.5	ug/L	EPA 8260B	6/29/2005
Toluene	**11**	1.5	ug/L	EPA 8260B	6/29/2005
Ethylbenzene	**370**	1.5	ug/L	EPA 8260B	6/29/2005
Total Xylenes	**910**	1.5	ug/L	EPA 8260B	6/29/2005
Methyl-t-butyl ether (MTBE)	**2.4**	1.5	ug/L	EPA 8260B	6/29/2005
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	6/29/2005
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	6/29/2005
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	6/29/2005
Tert-Butanol	**< 7.0**	7.0	ug/L	EPA 8260B	6/29/2005
TPH as Gasoline	**11000**	150	ug/L	EPA 8260B	6/29/2005
1,2-Dichloroethane	**< 1.5**	1.5	ug/L	EPA 8260B	6/29/2005
1,2-Dibromoethane	**< 1.5**	1.5	ug/L	EPA 8260B	6/29/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	6/29/2005
4-Bromofluorobenzene (Surr)	97.3		% Recovery	EPA 8260B	6/29/2005
Dibromofluoromethane (Surr)	100		% Recovery	EPA 8260B	6/29/2005
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	6/29/2005
TPH as Diesel	**< 8000**	8000	ug/L	M EPA 8015	6/29/2005
Octacosane (Diesel Surrogate)	125		% Recovery	M EPA 8015	6/29/2005

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 44528
Date : 7/5/2005

Project Name : **SAIDIAN - ALAMEDA**
Project Number : **3648**

Sample : **MW-2** Matrix : Water Lab Number : 44528-02
Sample Date :6/23/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
***Tert-amyl methyl ether* (TAME)**	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	6/28/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	6/28/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	6/28/2005
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	6/28/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	6/28/2005
Dibromofluoromethane (Surr)	87.4		% Recovery	EPA 8260B	6/28/2005
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	6/28/2005
TPH as Diesel	***1100***	50	ug/L	M EPA 8015	6/29/2005
Octacosane (Diesel Surrogate)	138		% Recovery	M EPA 8015	6/29/2005

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KIFF Analytical LLC

Report Number : 44528
Date : 7/5/2005

Project Name : **SAIDIAN - ALAMEDA**
Project Number : **3648**

Sample : **MW-3** Matrix : Water Lab Number : 44528-03
Sample Date :6/23/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	***1100***	*2.5*	*ug/L*	EPA 8260B	6/29/2005
Toluene	**28**	2.5	ug/L	EPA 8260B	6/29/2005
Ethylbenzene	**93**	2.5	ug/L	EPA 8260B	6/29/2005
Total Xylenes	**23**	*2.5*	*ug/L*	EPA 8260B	6/29/2005
Methyl-t-butyl ether (MTBE)	**370**	2.5	ug/L	EPA 8260B	6/29/2005
Diisopropyl ether (DIPE)	**< 2.5**	2.5	ug/L	EPA 8260B	6/29/2005
Ethyl-t-butyl ether (ETBE)	**< 2.5**	2.5	ug/L	EPA 8260B	6/29/2005
Tert-amyl methyl ether (TAME)	**8.2**	2.5	ug/L	EPA 8260B	6/29/2005
Tert-Butanol	**67**	15	ug/L	EPA 8260B	6/29/2005
TPH as Gasoline	**9600**	250	ug/L	EPA 8260B	6/29/2005
1,2-Dichloroethane	**< 2.5**	2.5	ug/L	EPA 8260B	6/29/2005
1,2-Dibromoethane	**< 2.5**	2.5	ug/L	EPA 8260B	6/29/2005
Toluene - d8 (Surr)	*101*		% Recovery	EPA 8260B	6/29/2005
4-Bromofluorobenzene (Surr)	94.4		% Recovery	EPA 8260B	6/29/2005
Dibromofluoromethane (Surr)	99.7		% Recovery	EPA 8260B	6/29/2005
1,2-Dichloroethane-d4 (Surr)	*99.7*		% Recovery	EPA 8260B	6/29/2005
TPH as Diesel	**< 4000**	4000	ug/L	M EPA 8015	6/29/2005
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	6/29/2005

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Report Number : 44528

Date : 7/5/2005

QC Report : Method Blank Data

Project Name : **SAIDIAN - 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	6/29/2005
Octacosane (Diesel Surrogate)	104		%	M EPA 8015	6/29/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Total Xylenes	< 0 50	0.50	ug/L	EPA 8260B	6/28/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/28/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/28/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	6/28/2005
Toluene - d8 (Surr)	98.2		%	EPA 8260B	6/28/2005
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	6/28/2005
Dibromofluoromethane (Surr)	87.8		%	EPA 8260B	6/28/2005
1,2-Dichloroethane-d4 (Surr)	95.7		%	EPA 8260B	6/28/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2005
Toluene	< 0 50	0.50	ug/L	EPA 8260B	6/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/29/2005
Diisopropyl ether (DIPE)	< 0.50	0 50	ug/L	EPA 8260B	6/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0 50	ug/L	EPA 8260B	6/29/2005
Tert-amyl methyl ether (TAME)	< 0 50	0.50	ug/L	EPA 8260B	6/29/2005
Tert-Butanol	< 5 0	5.0	ug/L	EPA 8260B	6/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/29/2005
1,2-Dichloroethane	< 0.50	0 50	ug/L	EPA 8260B	6/29/2005
1,2-Dibromoethane	< 0 50	0 50	ug/L	EPA 8260B	6/29/2005
Toluene - d8 (Surr)	102		%	EPA 8260B	6/29/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
4-Bromofluorobenzene (Surr)	93.7		%	EPA 8260B	6/29/2005
Dibromofluoromethane (Surr)	99 4		%	EPA 8260B	6/29/2005
1,2-Dichloroethane-d4 (Surr)	99.6		%	EPA 8260B	6/29/2005

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QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 44528

Date : 7/5/2005

Project Name : **SAIDIAN - 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	988	974	ug/L	M EPA 8015	6/29/05	98.8	97.4	1.42	70-130	25
Benzene	44528-02	<0.50	40.0	40.0	35.4	33.8	ug/L	EPA 8260B	6/28/05	88.6	84.6	4.62	70-130	25
Toluene	44528-02	<0.50	40.0	40.0	34.0	32.2	ug/L	EPA 8260B	6/28/05	84.9	80.5	5.31	70-130	25
Tert-Butanol	44528-02	<5.0	200	200	179	173	ug/L	EPA 8260B	6/28/05	89.7	86.4	3.69	70-130	25
Methyl-t-Butyl Ether	44528-02	<0.50	40.0	40.0	32.6	31.8	ug/L	EPA 8260B	6/28/05	81.5	79.5	2.44	70-130	25
Benzene	44482-02	<0.50	40.0	40.0	40.4	38.7	ug/L	EPA 8260B	6/29/05	101	96.8	4.18	70-130	25
Toluene	44482-02	<0.50	40.0	40.0	40.8	39.2	ug/L	EPA 8260B	6/29/05	102	98.0	3.92	70-130	25
Tert-Butanol	44482-02	<5.0	200	200	196	197	ug/L	EPA 8260B	6/29/05	98.1	98.3	0.289	70-130	25
Methyl-t-Butyl Ether	44482-02	<0.50	40.0	40.0	38.7	38.1	ug/L	EPA 8260B	6/29/05	96.7	95.2	1.64	70-130	25

Approved By: Joel Kiff

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Report Number : 44528

QC Report : Laboratory Control Sample (LCS)

Date : 7/5/2005

Project Name : **SAIDIAN - 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	6/28/05	97.2	70-130
Toluene	40.0	ug/L	EPA 8260B	6/28/05	96.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/28/05	94.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/28/05	93.6	70-130
Benzene	40.0	ug/L	EPA 8260B	6/29/05	98.2	70-130
Toluene	40.0	ug/L	EPA 8260B	6/29/05	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/29/05	95.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/29/05	91.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Chain of Custody 44528

PAGE 1 OF 1

SAMPLER (SIGNATURE) D. Allen

PROJECT NAME SAIDIAN - ALAMEDA JOB NO. 3648

ADDRESS CENTRAL AVE, ALAMEDA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520) ____	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S (EPA 8260)	TPH-G/BTEX/ 5 OXY'S & LEAD SCAVANGERS (EPA 8260)	EDF	HOLD	
MW-1	6/23	1110	water	5		X													X	X		-01
MW-2	"	1042	"	"		X													X	X		-02
MW-3	"	1135	"	"		X													X	X		-03

Sample Receipt
Temp °C 1.2 Therm. ID# IR-3
Initial MAS Date 062705
Time 1505 Coolant present: Y N

RELINQUISHED BY: (signature) (time)	RECEIVED BY: (signature) (time)	RELINQUISHED BY: (signature) (time)	RECEIVED BY LABORATORY: Michelle Spencer 1100 (signature) (time)	COMMENTS:
D. ALLEN 6/23/05 (printed name) (date)	(printed name) (date)	(printed name) (date)	Michelle Spencer 062705 (printed name) (date)	TURN AROUND TIME: STANDARD 24Hr 48Hr 72Hr
Company- ASE, INC.	Company-	Company-	Company- KIFF Analytical	OTHER: