



October 6, 1995

ENVIRONMENTAL
PROTECTION
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QUARTERLY GROUNDWATER MONITORING REPORT
SEPTEMBER 14, 1995 GROUNDWATER SAMPLING
ASE JOB NO. 2545

at
Former Alameda Max's
1357 High Street
Alameda, California 94501

Prepared for:
Mr. James A. Phillipsen
3111 Marina Drive
Alameda, CA 94501

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
2411 Old Crow Canyon Road, #4
San Ramon, CA 94583
(510) 820-9391



1.0 INTRODUCTION

Site Location (Site), See Figure 1

Former Alameda Max's
1357 High Street
Alameda, CA 94501

Property Owner

Mr. James A. Phillipsen
3111 Marina Drive
Alameda, CA 94501

Environmental Consulting Firm

Aqua Science Engineers, Inc. (ASE)
2411 Old Crow Canyon Road, #4
San Ramon, CA 94583
Contact: Robert Kitay, Project Manager
(510) 820-9391

Agency Review

Alameda County Health Care Services Agency (ACHCSA)
1131 Harbor Bay Parkway
Alameda, CA 94502
Contact: Ms. Juliet Shin
(510) 567-6700

California Regional Water Quality Control Board (RWQCB),
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612
Contact: Mr. Kevin Graves
(510) 286-4359

The following is a report detailing the results of the September 14, 1995, quarterly groundwater sampling at the above referenced site.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On September 14, 1995, ASE project geologist Robert Kitay measured the depth to water in each site well using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. 0.04-feet of free-floating oil was on the surface of the groundwater in monitoring well MW-2. No free-floating hydrocarbons or sheen was present on the surface of water from monitoring wells MW-1, MW-3 or MW-4. Depths to groundwater are presented in Table One.

Groundwater elevation contours are presented on Figure 2. On September 14, 1995, groundwater flowed to the southeast beneath the site at a gradient of 0.008-feet/foot, which is consistent with previous findings.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Prior to sampling, monitoring wells MW-1, MW-3 and MW-4 were purged of four well casing volumes of water using a 12 volt electric PVC pump. Monitoring well MW-2 was not sampled because it contained 0.04-feet of free-floating hydrocarbons. Groundwater samples were then collected from monitoring wells MW-1, MW-3 and MW-4 using dedicated polyethylene bailers. The samples were decanted from the bailers into 40-ml volatile organic analysis (VOA) vials and 1-liter amber glass bottles. The samples were preserved with hydrochloric acid, capped, labeled and placed into an ice chest containing wet ice for transport to American Environmental Network (AEN) of Pleasant Hill, California (DOHS #1172) under chain-of-custody.

The analytical results for this and previous quarters are presented in Tables Two and Three, and the certified laboratory report and chain-of-custody form are included as Appendix A.

The well purge water was placed in 55-gallon steel DOT 17H drums, labeled, and left on-site for temporary storage.

The groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by modified EPA Method 5030/8015, total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 3510/8015, total and hydrocarbon oil and grease (O&G) by Standard Method 5520 C&F and benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8020. Analyses for volatile organic compounds (VOCs) was discontinued as approved by the ACHCSA.

4.0 CONCLUSIONS

0.04-feet of free-floating oil was present on the groundwater surface in monitoring well MW-2. Hydrocarbon concentrations in groundwater samples collected from monitoring wells MW-1 and MW-3 were consistent with previous quarters results. Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-4 increased slightly this quarter, but were generally consistent with previous results. Benzene concentrations in the groundwater samples collected from monitoring wells MW-3 and MW-4 exceeded the California Department of Toxic Substances Control (DTSC) maximum contaminant level (MCL) for drinking water.

5.0 RECOMMENDATIONS

An oil skimmer was installed in monitoring well MW-2 and began operation on September 15, 1995. As of October 4, 1995, only a thin oily sheen was still present on the groundwater surface of monitoring well MW-2. ASE suggests that the skimmer be allowed to operate through October 1995 to ensure that as much oil as possible is removed from the groundwater surface prior to overexcavating contaminated soil in this area. A workplan for the soil overexcavation will be prepared during the next quarter prior to beginning overexcavation activities.

The next quarterly groundwater sampling is scheduled for December 1995.

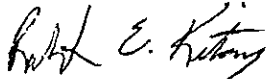
6.0 REPORT LIMITATIONS

The results of 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 for 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 for by the laboratory. All of the laboratory work cited in this report was prepared under the direction of independent CSDHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

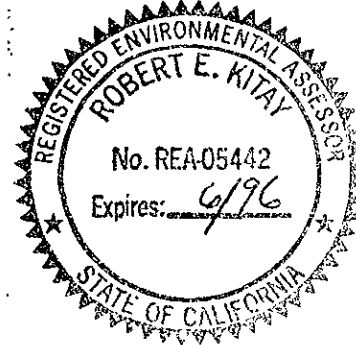
Aqua Science Engineers appreciates the opportunity to provide environmental consulting services to you, and trust that this report meets your needs. Please feel free to call us at (510) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



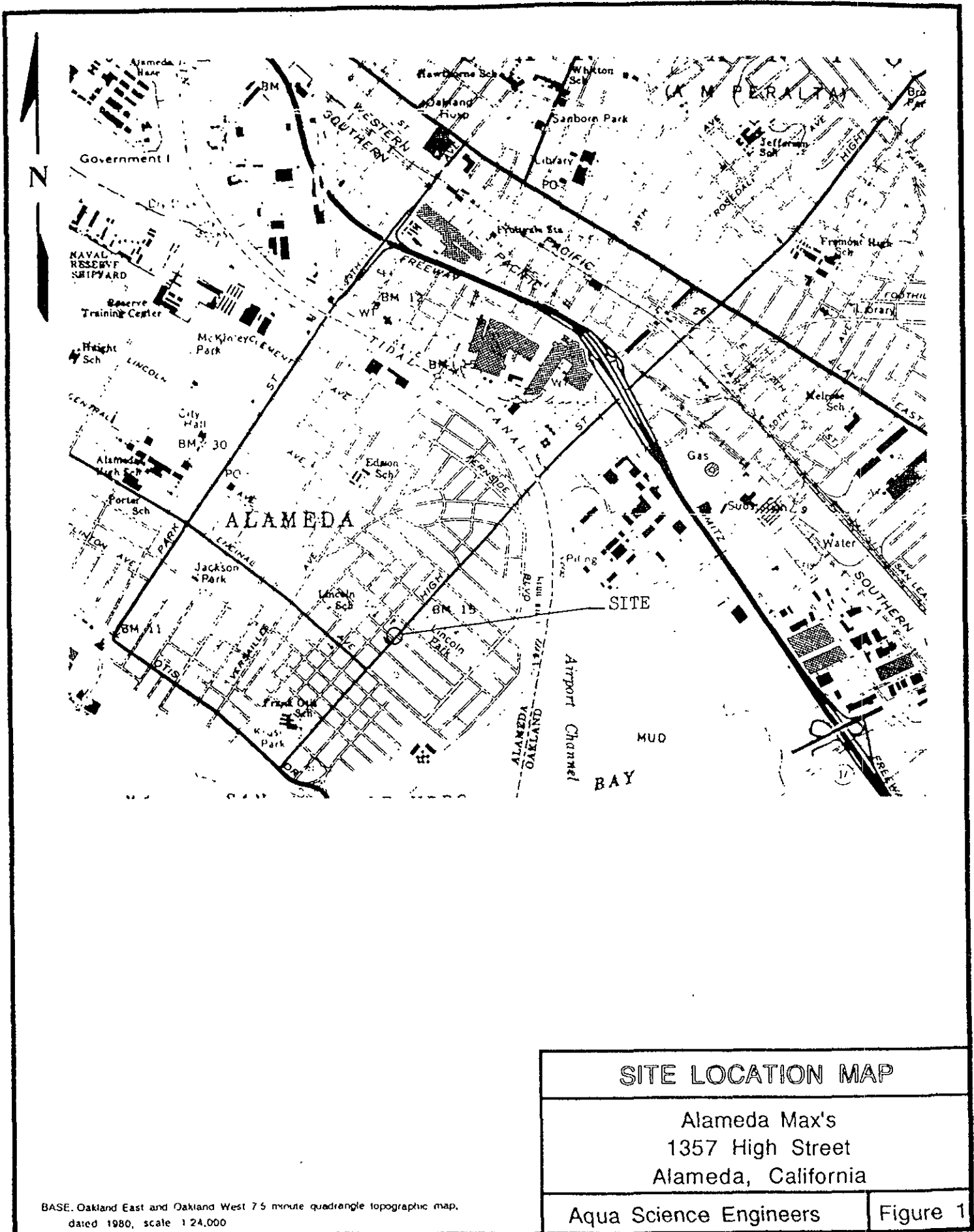
Robert E. Kitay, R.E.A.
Project Geologist

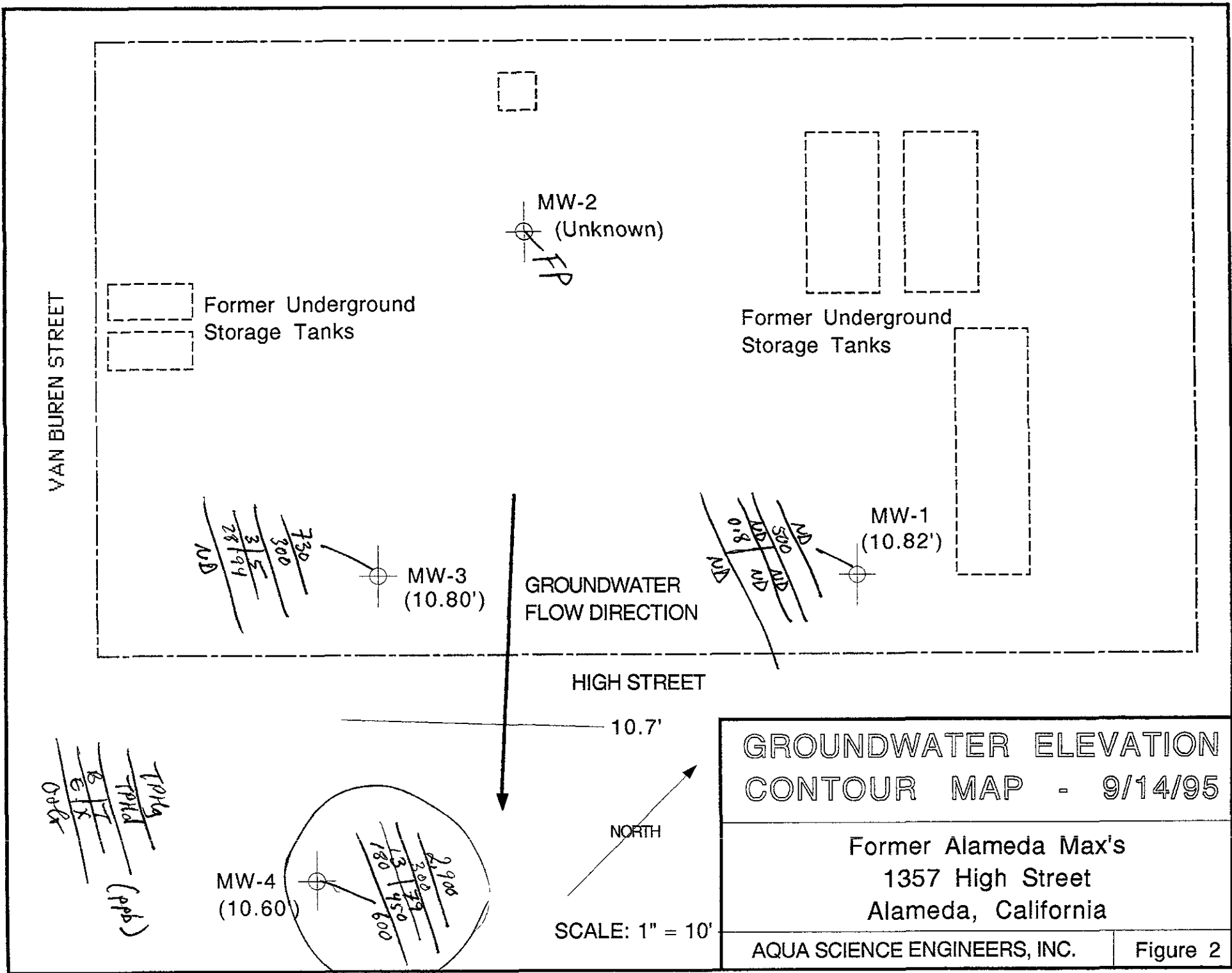


Attachments: Figures 1 and 2
Tables 1, 2 and 3
Appendices A and B

cc: Ms. Juliet Shin, Alameda County Health Care Services Agency
Mr. Kevin Graves, RWQCB, San Francisco Bay Region

FIGURES





TABLES

TABLE ONE
Summary of Groundwater Well Survey Data

Well I.D.	Date of Measurement	Top of Casing Elevation (relative to project datum)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-1	04-06-94	15.00	3.92	11.08
	08-02-94		4.10	10.90
	10-04-94		4.42	10.58
	12-14-94		3.42	11.58
	03-16-95		3.21	11.79
	06-06-95		3.84	11.16
	09-14-95		4.18	10.82
MW-2	04-06-94	14.37	3.02	11.35
	08-02-94		3.32	11.18*
	12-14-94		2.90	11.52*
	03-16-95		Unknown	Unknown
	06-06-95		Unknown	Unknown
	09-14-95		Unknown	Unknown
			Unknown	Unknown
MW-3	04-06-94	14.56	3.51	11.05
	08-02-94		3.68	10.88
	10-04-94		3.97	10.59
	12-14-94		3.04	11.52
	03-16-95		2.84	11.72
	06-06-95		3.44	11.12
	09-14-95		3.76	10.80
MW-4	10-04-94	14.70	4.31	10.39
	12-14-94		3.62	11.08
	03-16-95		3.48	11.22
	06-06-95		3.86	10.84
	09-14-95		4.10	10.60

* = Adjusted for the presence of free-floating oil by the equation: Adjusted Groundwater Elevation = Top of Casing Elevation - Depth to Groundwater + (0.8 x Floating Hydrocarbon Thickness)

TABLE TWO
Summary of Chemical Analysis of GROUNDWATER Samples
All results are in parts per billion

Sample I.D.	TPH Gasoline	TPH Diesel	Oil & Grease	Benzene	Toluene	Ethyl Benzene	Total Xylenes
<u>MW-1</u>							
04/04/94	80	<50	<500	<0.5	<0.5	0.5	2
08/02/94	60	500	<1,000	<0.5	<0.5	<0.5	<2
12/14/94	200	1,500	<1,000	<0.5	<0.5	6	<2
03/16/95	200	1,600	<500	<0.5	<0.5	3	<2
06/06/95	<50	680	<500	<0.5	<0.5	<0.5	<2
09/14/95	<50	500	<500	<0.5	<0.5	0.8	<2
<u>MW-2</u>							
04/04/94	150	<50	6,200	0.6	1	2	6
08/02/94	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
12/14/94	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
03/16/95	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
06/06/95	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
09/14/95	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
<u>MW-3</u>							
04/04/94	1,200	180	<500	3	27	44	230
08/02/94	2,700	<50	<1,000	6	16	70	470
12/14/94	2,600	80	<1,000	9	30	78	430
03/16/95	1,200	300	<500	4	16	38	270
06/06/95	500	300	<500	2	1	13	61
09/14/95	730	300	<500	3	5	28	94
<u>MW-4</u>							
10/04/94	500	200	<1,000	2	19	14	70
12/14/94	1,500	200	<1,000	8	37	68	190
03/16/95	500	300	<500	3	5	23	41
06/06/95	1,600	620	<500	5.9	48	83	240
09/14/95	2,900	300	600	13	79	180	450
EPA METHOD	5030/ 8015	3510/ 8015	5520 B&F	8020	8020	8020	8020

*indicates
of ongoing
migration.
Was all of
gas source
removed?*

TABLE THREE
Summary of Chemical Analysis of GROUNDWATER Samples
Volatile Organic Compounds
All results in parts per billion

Sample I.D. -----	Date of Sampling -----	TCE -----	Other VOCs -----
MW-1	08-02-94	<0.5	<0.5
	12-14-94	<0.5	<0.5
	03-16-95	<0.5	<0.5
	06-06-95	<0.5	<0.5
MW-2	04-04-94	0.7	<0.5
	08-02-94	NOT SAMPLED DUE TO FLOATING HYDROCARBONS	
	12-14-94	NOT SAMPLED DUE TO FLOATING HYDROCARBONS	
	03-16-95	NOT SAMPLED DUE TO FLOATING HYDROCARBONS	
	06-06-95	NOT SAMPLED DUE TO FLOATING HYDROCARBONS	
MW-3	08-02-94	<0.5	<0.5
	12-14-94	<0.5	<0.5
	03-16-95	<0.5	<0.5
	06-06-95	<0.5	<0.5
MW-4	10-04-94	<0.5	<0.5
	12-14-94	<0.5	<0.5
	03-16-95	<0.5	<0.5
	06-06-95	<0.5	<0.5
EPA METHOD		8010	8010

TCE = Trichloroethene
VOCs = volatile organic compounds

APPENDIX A

California EPA Certified Laboratory
Report of Groundwater Samples

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

PAGE 1

AQUA SCIENCE ENGINEERS, INC
2411 OLD CROW CANYON RD. #4
SAN RAMON, CA 94583

ATTN: ROBERT KITAY
CLIENT PROJ. ID: 2545
CLIENT PROJ. NAME: FORMER MAX'S

REPORT DATE: 10/01/95

DATE(S) SAMPLED: 09/14/95

DATE RECEIVED: 09/15/95

AEN WORK ORDER: 9509224

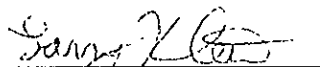
PROJECT SUMMARY:

On September 15, 1995, this laboratory received 3 water sample(s).

Client requested sample(s) be analyzed for organic parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.


Larry Klein
Laboratory Director

AQUA SCIENCE ENGINEERS, INC.

AEN JOB NO: 9509224
 DATE SAMPLED: 09/14/95
 DATE RECEIVED: 09/15/95
 CLIENT PROJ. ID: 2545

Client Sample Id	AEN Lab Id	Purgeable Hydrocarbons as Gasoline (ug/L)	Extractable Hydrocarbons as Diesel (ug/L)	Oil & Grease (ug/L)	Hydrocarbons (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
MW-1	01	ND	500	ND	ND	ND	ND	0.8	ND
MW-3	02	730	300	ND	ND	3	5	28	94
MW-4	03	2,900	300	600	ND	13	79	180	450
Reporting Limit		50	50	500	500	0.5	0.5	0.5	2
EPA Method:		5030 GCFID	3510 GCFID	5520C	5520F	8020	8020	8020	8020
Date Extracted:		NA	09/21/95	09/25/95	09/25/95	NA	NA	NA	NA
Date Analyzed:		09/21/95	09/23/95	09/26/95	09/26/95	09/21/95	09/21/95	09/21/95	09/21/95
NA = Not Applicable									
ND = Not Detected									

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9509224

CLIENT PROJECT ID: 2545

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA
METHOD: EPA 3510 GCFID

AEN JOB NO: 9509224
DATE(S) EXTRACTED: 09/21/95
INSTRUMENT: C
MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery n-Pentacosane
09/23/95	MW-1	01	78
09/23/95	MW-3	02	79
09/23/95	MW-4	03	86
QC Limits:			59-118

DATE EXTRACTED: 09/21/95
DATE ANALYZED: 09/21/95
SAMPLE SPIKED: DI WATER
INSTRUMENT: C

Method Spike Recovery Summary

Analyte	Spike Added (mg/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Diesel	2.07	90	<1	58-107	15

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: SM 5520

AEN JOB NO: 9509224
 DATE EXTRACTED: 09/25/95
 DATE ANALYZED: 09/26/95
 SAMPLE SPIKED: DI WATER
 INSTRUMENT: IR
 MATRIX: WATER

Method Spike Recovery Summary

Analyte	Spike Added (mg/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Oil	7.65	88	<1	80-109	5

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9509224
 INSTRUMENT: F
 MATRIX: WATER

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery	
			Fluorobenzene	
09/21/95	MW-1	01	94	
09/21/95	MW-3	02	94	
09/21/95	MW-4	03	96	
QC Limits:			92-109	

DATE ANALYZED: 09/20/95
 SAMPLE SPIKED: 9509213-08
 INSTRUMENT: F

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/L)	Average Percent Recovery	RPD	QC Limits	
				Percent Recovery	RPD
Benzene	20.3	95	2	85-109	17
Toluene	60.2	102	2	87-111	16
Hydrocarbons as Gasoline	500	102	2	66-117	19

Daily method blanks for all associated analytical runs showed no contamination at or above the reporting limit.

*** END OF REPORT ***

R-3, S-1

R-1, S-1

9SD9224

Aqua Science Engineers, Inc.
2411 Old Crow Canyon Road, #4,
San Ramon, CA 94583
(510) 820-9391 - FAX (510) 837-4853

Chain of Custody

DATE 9-14-95 PAGE 1 OF 1

SAMPLERS (SIGNATURE) Robert E. Kitey (PHONE NO.) (510) 820-9391

PROJECT NAME Former Alameda Maxe NO. 2545
ADDRESS 1357 High Street, Alameda, CA

ANALYSIS REQUEST

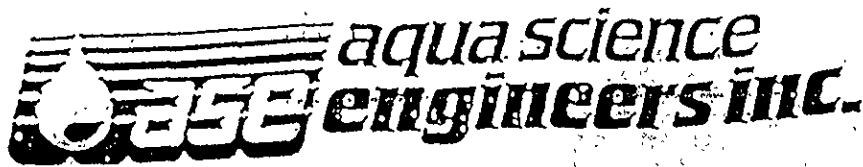
SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GASOLINE (EPA 5030/8015)	TPH-GASOLINE/BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/6020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NEUTRALS, ACIDS (EPA 625/6270)	OIL & GREASE (EPA 5520 ERF or B&F)	LUFT METALS (5) (EPA 6010+7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC-CAM WET (EPA 1311/1310)	REACTIVITY	CORROSIVITY	ICHTABILITY
E MW-1	9/14	13:00	Water	5		X	X					X							
E MW-3	↓	13:30	↓	5		X	X					X							
E MW-4	↓	9:50	↓	5		X	X					X							

RELINQUISHED BY: <u>Robert E. Kitey</u> (signature)	RECEIVED BY: <u>[Signature]</u> (signature)	RELINQUISHED BY: <u>[Signature]</u> (signature)	RECEIVED BY LABORATORY: <u>Rundell</u> (signature)	COMMENTS:
10:35 (time)	10:45 (time)	13:00 (time)	1300 (time)	
Robert E. Kitey (printed name)	N. HERBICK (printed name)	N. HERBICK (printed name)	G. Gambellucci (printed name)	
9-15-95 (date)	9-15-95 (date)	9-15-95 (date)	9/15/95 (date)	
Company- ASE	Company- AEM	Company-	Company- AEM	

APPENDIX B

Well Sampling Field Logs



WELL SAMPLING FIELD LOG

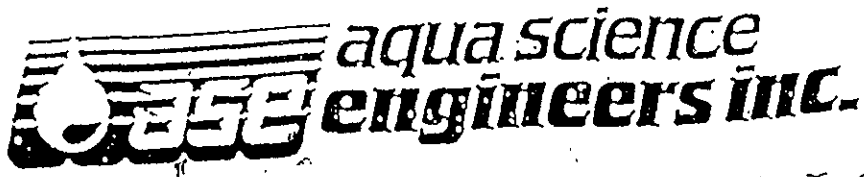
Project Name and Address: Alameda Marsh, 1357 High Street, Alameda, CA
 Job #: 2545 Date of sampling: 9-14-95
 Well Name: MW-1 Sampled by: RK
 Total depth of well (feet): 18.14 Well diameter (inches): 4
 Depth to water before sampling (feet): 4.18
 Thickness of floating product if any: None
 Depth of well casing in water (feet): 13.96
 Number of gallons per well casing volume (gallons): 9.2
 Number of well casing volumes to be removed: 4
 Req'd volume of groundwater to be purged before sampling (gallons): 37
 Equipment used to purge the well: 12 volt PVC pump
 Time Evacuation Began: 11:50 Time Evacuation Finished: 12:17
 Approximate volume of groundwater purged: 37 gallons
 Did the well go dry?: No After how many gallons: —
 Time samples were collected: 13:00
 Depth to water at time of sampling: 4.32
 Percent recovery at time of sampling: 99%
 Samples collected with: Dedicated polyethylene bailer
 Sample color: None (clear) Odor: None
 Description of sediment in sample: Small amount of fine brown silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
<u>Initial</u>	<u>68.6</u>	<u>7.22</u>	<u>762</u>
<u>9.2 gals</u>	<u>72.6</u>	<u>7.20</u>	<u>566</u>
<u>18.4 gals</u>	<u>73.6</u>	<u>7.15</u>	<u>659</u>
<u>27.6 gals</u>	<u>72.8</u>	<u>7.19</u>	<u>623</u>
<u>37 gals</u>	<u>72.8</u>	<u>7.20</u>	<u>622</u>

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	iced?	Analysis
<u>MW-1</u>	<u>2</u>	<u>40-ml VOA vials</u>	<u>H4</u>	<u>Yes</u>	<u>TPH-G/BTEX</u>
<u>↓</u>	<u>2</u>	<u>1-liter amber glass</u>	<u>↓</u>	<u>↓</u>	<u>TPH-D</u>
<u>↓</u>	<u>1</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>0 & 6</u>



WELL SAMPLING FIELD LOG

Project Name and Address: Alameda Mall, 1357 High Street, Alameda, CA
 Job #: 2545 Date of sampling: 9-14-95
 Well Name: MW-3 Sampled by: RK
 Total depth of well (feet): 16.84 Well diameter (inches): 4
 Depth to water before sampling (feet): 3.76
 Thickness of floating product if any: None
 Depth of well casing in water (feet): 13.08
 Number of gallons per well casing volume (gallons): 8.6
 Number of well casing volumes to be removed: 4
 Req'd volume of groundwater to be purged before sampling (gallons): 34.5
 Equipment used to purge the well: 12 volt PVC pump
 Time Evacuation Began: 12:30 Time Evacuation Finished: 12:55
 Approximate volume of groundwater purged: 35 gallons
 Did the well go dry?: No After how many gallons: -
 Time samples were collected: 13:30
 Depth to water at time of sampling: 4.15
 Percent recovery at time of sampling: 97%
 Samples collected with: Dedicated polyethylene bailer
 Sample color: None (clear) Odor: Strong he
 Description of sediment in sample: Small amount of fine brown silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
<u>Initial</u>	<u>72.0</u>	<u>7.00</u>	<u>214</u>
<u>8.6 gals</u>	<u>73.7</u>	<u>7.00</u>	<u>295</u>
<u>17.2 gals</u>	<u>73.3</u>	<u>7.01</u>	<u>273</u>
<u>25.8 gals</u>	<u>73.3</u>	<u>7.00</u>	<u>311</u>
<u>34.5 gals</u>	<u>73.3</u>	<u>7.01</u>	<u>298</u>

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
<u>MW-3</u>	<u>2</u>	<u>40-ml VOA vials</u>	<u>HCl</u>	<u>Yes</u>	<u>TPH-G/BTEX</u>
<u>↓</u>	<u>2</u>	<u>1-liter amber glass</u>	<u>↓</u>	<u>↓</u>	<u>TPH-D</u>
<u>↓</u>	<u>1</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>OG</u>



WELL SAMPLING FIELD LOG

Project Name and Address: Alameda Max, 1357 High Street, Alameda, CA
 Job #: 2545 Date of sampling: 9-14-95
 Well Name: MW-4 Sampled by: RK
 Total depth of well (feet): 13.12 Well diameter (inches): 2
 Depth to water before sampling (feet): 4.10
 Thickness of floating product if any: None
 Depth of well casing in water (feet): 9.02
 Number of gallons per well casing volume (gallons): 1.5
 Number of well casing volumes to be removed: 4
 Req'd volume of groundwater to be purged before sampling (gallons): 6.0
 Equipment used to purge the well: 12 volt PVC pump
 Time Evacuation Began: 9:25 Time Evacuation Finished: 9:35
 Approximate volume of groundwater purged: 5.5 gallons
 Did the well go dry?: Yes After how many gallons: 5.5
 Time samples were collected: 9:50
 Depth to water at time of sampling: 5.90
 Percent recovery at time of sampling: 80%
 Samples collected with: Dedicated polyethylene bailer
 Sample color: None (clear) Odor: moderate hc
 Description of sediment in sample: None

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
<u>Initial</u>	<u>66.8</u>	<u>7.12</u>	<u>405</u>
<u>1.5 gal</u>	<u>70.6</u>	<u>7.11</u>	<u>403</u>
<u>3.0 gal</u>	<u>70.8</u>	<u>7.07</u>	<u>403</u>
<u>4.5 gal</u>	<u>70.8</u>	<u>7.05</u>	<u>403</u>
<u>5.5 gals</u>	<u>70.6</u>	<u>7.06</u>	<u>403</u>

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
<u>MW-4</u>	<u>2</u>	<u>40-ml VOA vials</u>	<u>Hcl</u>	<u>Yes</u>	<u>TPH-G/BTEX</u>
<u>↓</u>	<u>2</u>	<u>1-liter amber glass</u>	<u>↓</u>	<u>↓</u>	<u>TPH-D</u>
<u>↓</u>	<u>1</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>046</u>