RO 451

AQUA SCIENCE ENGINEERS

208 West El Pintado, Suite C
Danville, CA 94526
(925) 820-9391
Fax (925) 827-4853
www.aquascienceengineers.com

September 30, 2005

SEMI-ANNUAL GROUNDWATER MONITORING REPORT
JULY 2005 GROUNDWATER SAMPLING
ASE JOB NO. 3411
at
Hutch's Carwash
17945 Hesperian Boulevard
San Lorenzo, California

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
208 West El Pintado Road
Danville, CA 94526
(925) 820-9391

1.0 INTRODUCTION

The following is a report detailing the results of the July 2005 semi-annual groundwater sampling at the Hutch's Carwash property located at 17945 Hesperian Boulevard in San Lorenzo, California (Figures 1 and 2).

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On July 14, 2005, ASE measured the depth to water in each site 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. Groundwater elevation data is presented in Table One.

The groundwater flow is to the west-northwest at a gradient of 0.0025-feet/foot. Groundwater elevation (potentiometric surface) contours are plotted on Figure 2.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On July 14, 2005, ASE collected a groundwater sample from monitoring well MW-1 for analyses. Monitoring well MW-3 is no longer being sampled because hydrocarbons have not been detected since its installation. Monitoring well MW-2 is also no longer being sampled in accordance with a letter from the Alameda County Health Care Services Agency (ACHCSA) dated August 12, 2002 stating MW-2 may be excluded from further sampling events until further notice. Prior to sampling, monitoring well MW-1 was purged of three well casing volumes of groundwater. The pH, temperature, and conductivity of the purge water were monitored during evacuation, and samples were not collected until these parameters stabilized. Samples were collected using a disposable polyethylene bailer. The groundwater samples were decanted from the bottom of the bailer using a low-flow emptying device into 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, labeled, and stored on ice for transport to Severn Trent Laboratories (STL) San Francisco, Inc. of Pleasanton, California under appropriate chain of custody documentation.

The well sampling purge water was contained in a sealed and labeled 55-gallon steel drum. The well sampling field logs are included as Appendix A.

The groundwater samples were analyzed by STL San Francisco for total petroleum hydrocarbons as gasoline (TPH-G) by modified EPA Method 5030/8015 and benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B.

The analytical results are tabulated in Table Two, and copies of the certified analytical report and chain of custody form are included in Appendix B.

4.0 RESULTS AND CONCLUSIONS

Monitoring well MW-2 was removed from the sampling schedule in October 2002 in accordance with a letter from the ACHCSA dated August 12. 2002. Monitoring well MW-3 was removed from the sampling schedule in January 2001 because hydrocarbons had not been detected in it since its installation.

The groundwater sample collected from monitoring well MW-1 contained 380 parts per billion (ppb) TPH-G, 2.5 ppb benzene, 9.1 ppb ethyl benzene, and 210 ppb MTBE. All detected concentrations increased relative to the previous analytical results.

The MTBE and benzene concentrations in the groundwater sample collected from monitoring well MW-1 exceeded the California Department of Health Services (DHS) maximum contaminant levels (MCLs) for drinking water. However, all concentrations were below the California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB) Environmental Screening Levels (ESLs) presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater" document dated February 2005 where water is not a current or potential source of drinking water.

5.0 RECOMMENDATIONS

ASE recommends continued semi-annual monitoring of the site. The next sampling event is scheduled for January 2006. ASE will also complete the area well survey requested by the ACHCSA, once we receive a signed letter from the agency requesting it. The signed letter is required to access state records.

6.0 REPORT LIMITATIONS

The results presented in this report represent conditions at the time of groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

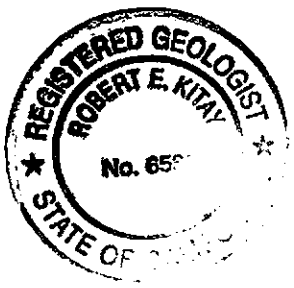
It does not fully characterize the site for contamination resulting from unknown sources, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

David Rains
Project Geologist



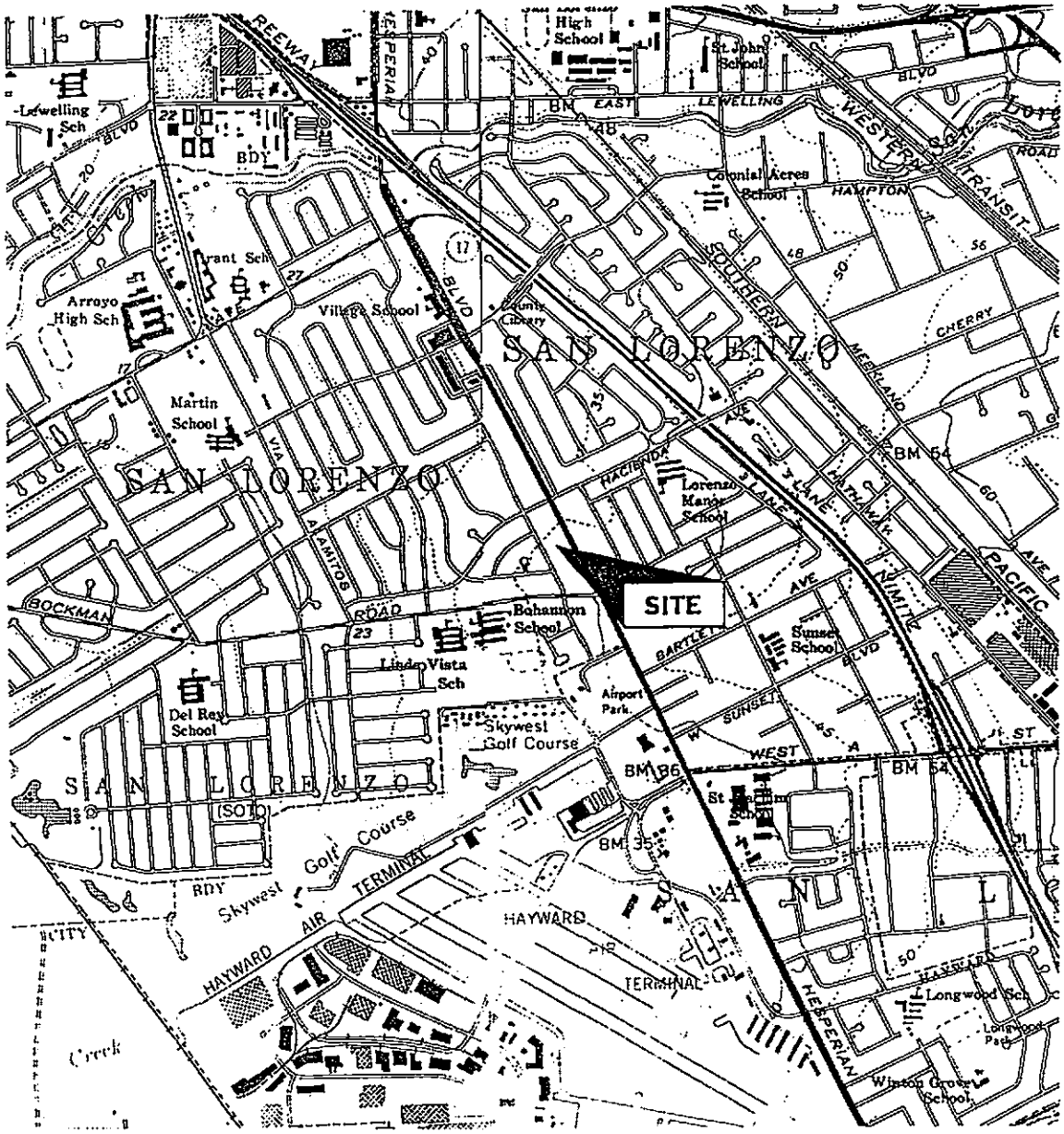
Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: Figures 1 and 2
Appendices A and B

cc: Mr. Kirk Hutchison, Hutch's Car Wash
Mr. Scott Seery, Alameda County Health Care Services Agency
Mr. Chuck Headlee, California Regional Water Quality Control Board

NORTH

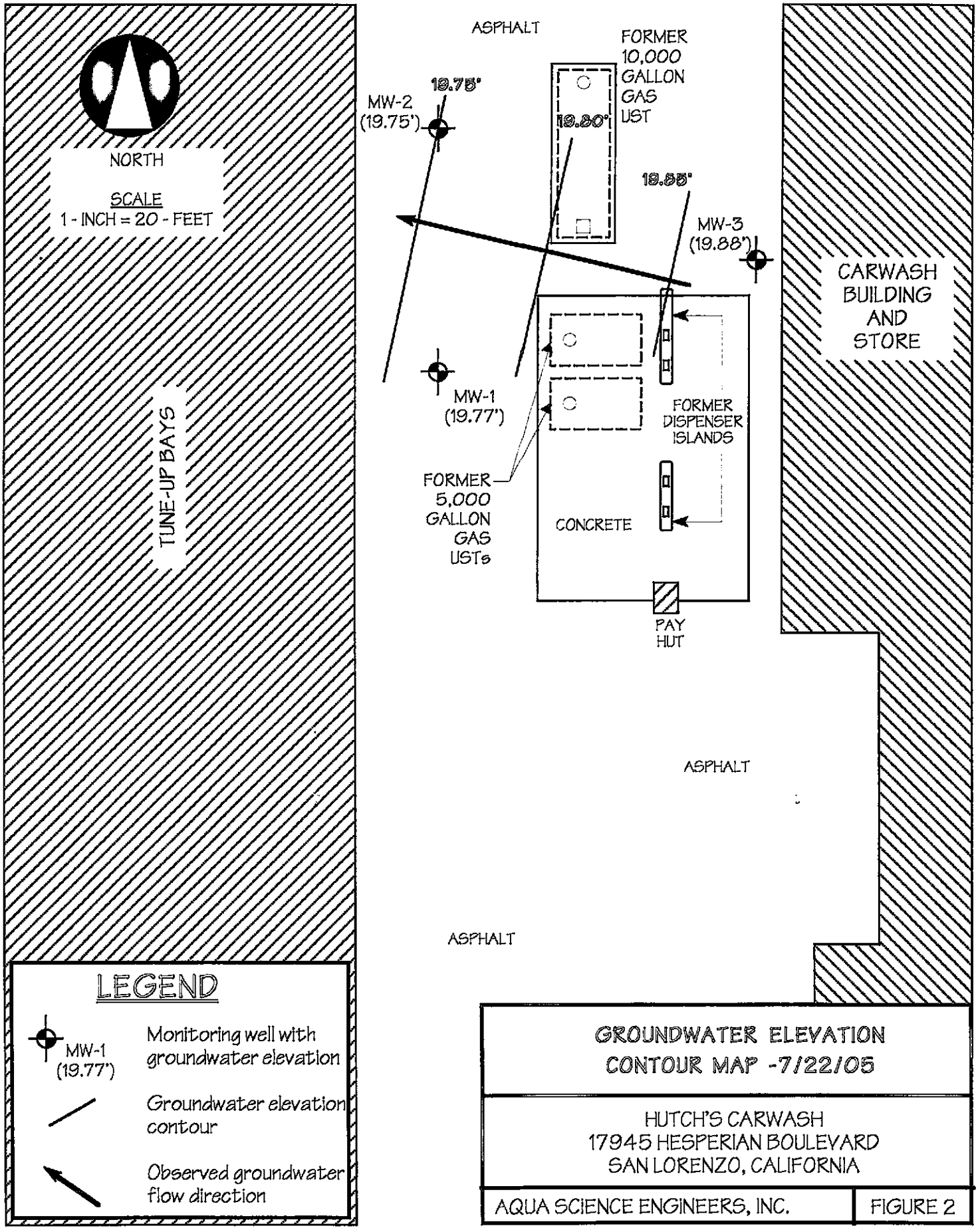
NOT TO SCALE



LOCATION MAP

Hutch's Carwash
17945 Hesperian Boulevard
San Lorenzo, California

AQUA SCIENCE ENGINEERS, INC. | Figure 1



GROUNDWATER ELEVATION
CONTOUR MAP -7/22/05

HUTCH'S CARWASH
17945 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | FIGURE 2

TABLE ONE

Groundwater Elevation Data

Hutch's Carwash

17945 Hesperian Blvd., San Lorenzo, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-1	10/6/99	35	15.58	19.42
	1/13/00		15.58	19.42
	4/12/00		14.75	20.25
	7/19/00		15.29	19.71
	10/25/00		15.56	19.44
	1/16/01		15.22	19.78
	4/4/01		15.05	19.95
	7/6/01		15.49	19.51
	10/1/01		15.78	19.22
	1/7/02		13.83	21.17
	4/2/02		14.83	20.17
	7/9/02		15.41	19.59
	10/1/02		15.70	19.3
	1/24/03		14.69	20.31
	7/25/03		15.41	19.59
	1/16/04		14.73	20.27
	7/14/04		15.54	19.46
	1/29/05		14.38	20.62
	7/22/05		**15.23**	**19.77**
MW-2	10/6/99	35.21	15.84	19.37
	1/13/00		15.78	19.43
	4/12/00		14.94	20.27
	7/19/00		15.54	19.67
	10/25/00		15.81	19.4
	1/16/01		15.50	19.71
	4/4/01		15.28	19.93
	7/6/01		15.73	19.48
	10/1/01		16.06	19.15
	1/7/02		14.08	21.13
	4/2/02		15.04	20.17
	7/9/02		15.66	19.55
	10/1/02		15.96	19.25
	1/24/03		14.90	20.31
	7/25/03		15.68	19.53
	1/16/04		14.93	20.28
	7/14/04		15.81	19.40
	1/29/05		14.90	20.31
	7/22/05		**15.46**	**19.75**

TABLE ONE

Groundwater Elevation Data

Hutch's Carwash

17945 Hesperian Blvd., San Lorenzo, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-3	10/6/99	34.47	14.98	19.49
	1/13/00		14.98	19.49
	4/12/00		14.09	20.38
	7/19/00		14.70	19.77
	10/25/00		14.98	19.49
	1/16/01		14.58	19.89
	4/4/01		14.43	20.04
	7/6/01		14.85	19.62
	10/1/01		15.21	19.26
	1/7/02		13.24	21.23
	4/2/02		14.20	20.27
	7/9/02		14.81	19.66
	10/1/02		15.12	19.35
	1/24/03		14.05	20.42
	7/25/03		14.82	19.65
	1/16/04		14.08	20.39
	7/14/04		14.94	19.53
	1/29/05		14.03	20.44
	7/22/05		**14.59**	**19.88**

TABLE TWO

Certified Analytical Results of **GROUNDWATER** Samples

All results are in **parts per billion**

Well	Date Sampled	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
MW-1	10-06-99	1,500	3.3	2.3	27	72	120
	01-13-00	1,500	15	19	19	33	650
	04-12-00	1,700	18	13	45	79	2,600
	07-19-00	2,200	31	< 5.0	81	100	2,000
	10-25-00	3,300	20	< 5.0	9.8	9.4	3,300
	01-16-01	4,100	34	14	60	120	1,300
	04-04-01	2,900	14	< 0.5	34	32	2,000
	07-06-01	1,300	4.4	< 0.5	12	13	700
	10-01-01	1,100	4.1	< 0.5	18	19	520
	01-07-02	1,400	34	< 0.5	13	15	1,300
	04-02-02	1,900	30	6.7	24	30	1,000
	07-09-02	1,500	26	< 5.0	12	8.6	820
	10-01-02	830	3.6	< 2.5	7.4	2.9	520
	01-24-03	1,300	6.2	< 5.0	12	< 5.0	680
	07-25-03	520	15	< 1.0	11	1.0	250
	01-16-04	540	3.9	< 2.5	8.3	3.1	290
	07-14-04	220	< 1.0	< 1.0	8.1	< 1.0	140
	1-29-05	160	1.0	< 0.5	2.5	< 1.0	60
	7-22-05	**380**	**2.5**	**< 1.0**	**9.1**	**< 2.0**	**210**
MW-2	10-06-99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	18
	01-13-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	16
	04-12-00	< 100	< 1.0	< 1.0	< 1.0	< 1.0	240
	07-19-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	10-25-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	6.0
	01-16-01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	8.2
	04-04-01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	07-06-01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	5.9
	10-01-01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	21
	01-07-02	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	04-02-02	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	07-09-02	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	10-01-02	No	Longer	Sampled			
MW-3	10-06-99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	01-13-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	04-12-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	07-19-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	10-25-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	01-16-01	No	Longer	Sampled			
DHS MCL		NE	1	150	700	1,750	13
ESL		400	46	130	290	13	1,800

Notes:

- Most recent concentrations are in **bold**.
- Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.
- DHS MCL = California Department of Health Services maximum contaminant level for drinking water
- 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.
- NE = DHS MCL not established

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Hu Tch's

JOB NUMBER 3411 DATE OF SAMPLING 7-22-05

WELL ID. MW-1 SAMPLER DA

TOTAL DEPTH OF WELL 25.6 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 15.23

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 10.37

NUMBER OF GALLONS PER WELL CASING VOLUME 1.82

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.5

EQUIPMENT USED TO PURGE WELL DISP. BAILER

TIME EVACUATION STARTED 1345 TIME EVACUATION COMPLETED 1352

TIME SAMPLES WERE COLLECTED 1400

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.5

SAMPLING DEVICE DISP. BAILER

SAMPLE COLOR CLEAR ODOR/SEDIMENT NONE / SILT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	69.2	6.85	703
2	67.2	6.87	711
3	67.8	6.93	712

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	3	40 ml VOA	8015/8021	✓

MW-2 15.46 MW-3 14.59

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

SEVERN TRENT STL

Submission#: 2005-07-0689

Aqua Science Engineers, Inc.

August 02, 2005

208 West El Pintado Road
Danville, CA 94526

Attn.: Dave Allen

Project#: 3411
Project: Hutch`s
Site: San Leandro

Dear Mr. Allen,

Attached is our report for your samples received on 07/25/2005 16:16
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/08/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: ssidhu@stl-inc.com

Sincerely,

Surinder Sidhu

Surinder Sidhu
Project Manager

SEVERN TRENT STL

Submission: 2005-07-0689

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.
Attn.: Dave Allen

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

Project: 3411
Hutch's

Received: 07/25/2005 16:16

Site: San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	07/22/2005 14:00	Water	1

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

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

Project: 3411
Hutch`s

Received: 07/25/2005 16:16

Site: San Leandro

Prep(s): 5030B
Test(s): 8260B

Sample ID: **MW-1**
Lab ID: 2005-07-0689 - 1

Sampled: 07/22/2005 14:00
Extracted: 8/1/2005 12:04

Matrix: Water
QC Batch#: 2005/08/01-01.62

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	380	100	ug/L	2.00	08/01/2005 12:04	
Methyl tert-butyl ether (MTBE)	210	1.0	ug/L	2.00	08/01/2005 12:04	
Benzene	2.5	1.0	ug/L	2.00	08/01/2005 12:04	
Toluene	ND	1.0	ug/L	2.00	08/01/2005 12:04	
Ethylbenzene	9.1	1.0	ug/L	2.00	08/01/2005 12:04	
Total xylenes	ND	2.0	ug/L	2.00	08/01/2005 12:04	
Surrogate(s)						
1,2-Dichloroethane-d4	94.5	73-130	%	2.00	08/01/2005 12:04	
Toluene-d8	89.7	81-114	%	2.00	08/01/2005 12:04	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

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

Project: 3411
Hutch's

Received: 07/25/2005 16:16

Site: San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/08/01-01.62

MB: 2005/08/01-01.62-022

Date Extracted: 08/01/2005 08:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/01/2005 08:22	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/01/2005 08:22	
Benzene	ND	0.5	ug/L	08/01/2005 08:22	
Toluene	ND	0.5	ug/L	08/01/2005 08:22	
Ethylbenzene	ND	0.5	ug/L	08/01/2005 08:22	
Total xylenes	ND	1.0	ug/L	08/01/2005 08:22	
Surrogates(s)					
1,2-Dichloroethane-d4	94.2	73-130	%	08/01/2005 08:22	
Toluene-d8	91.0	81-114	%	08/01/2005 08:22	

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

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

Project: 3411
Hutch`s

Received: 07/25/2005 16:16

Site: San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/08/01-01.62**

LCS 2005/08/01-01.62-056 Extracted: 08/01/2005 Analyzed: 08/01/2005 07:56

LCSD 2005/08/01-01.62-054 Extracted: 08/01/2005 Analyzed: 08/01/2005 09:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.9	23.9	25.0	95.6	95.6	0.0	65-165	20		
Benzene	24.7	26.4	25.0	98.8	105.6	6.7	69-129	20		
Toluene	25.6	27.0	25.0	102.4	108.0	5.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	443	429	500	88.6	85.8		73-130			
Toluene-d8	455	454	500	91.0	90.8		81-114			

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

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

Project: 3411
Hutch`s

Received: 07/25/2005 16:16

Site: San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/08/01-01.62**

MS/MSD

Lab ID: 2005-07-0592 - 003

MS: 2005/08/01-01.62-020 Extracted: 08/01/2005 Analyzed: 08/01/2005 10:20

Dilution: 50.00

MSD: 2005/08/01-01.62-046 Extracted: 08/01/2005 Analyzed: 08/01/2005 10:46

Dilution: 50.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	2910	2970	1660	1250	100.0	104.8	4.7	65-165	20		
Benzene	9470	9360	7600	1250	149.6	140.8	6.1	69-129	20	M3	M4
Toluene	1450	1570	407	1250	83.4	93.0	10.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	471	477		500	94.1	95.3		73-130			
Toluene-d8	464	462		500	92.7	92.4		81-114			

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Dave Allen

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

Project: 3411
Hutch`s

Received: 07/25/2005 16:16

Site: San Leandro

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

M3

Sample > 4x spike concentration.

M4

MS/MSD spike recoveries were above acceptance limits. See blank spike (LCS).

2005-07-0689

116299

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) D. Allen

PROJECT NAME Hutch's JOB NO. 3411

ADDRESS San Leandro

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 OXYS (EPA 8260)	TPH-G/BTEX/ 5 OXYS & LEAD SCAVANGERS (EPA 8260)	EDF	HOLD
MW-1	7/24/5	1420		3	X																

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) (time)	(signature) 1114 (time)	(signature) 1616 (time)	(signature) (time)	STL 4°
D. ALLEN (printed name) (date)	(printed name) (date) 7/25/05	(printed name) (date) 7/25/05	M. WILLIAMS (printed name) 7/25/05 (date)	TURN AROUND TIME
Company- ASE. INC.	Company- SL - SF	Company- SL - SF	Company- STL SF	(STANDARD) 24Hr 48Hr 72Hr
				OTHER:

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 07-0689

Checklist completed by:	BT	DATE	7/26/05
Courier: X STL SF	Courier ☐ Fedex UPS Other		Client ☐

	Log-In Details	Yes	No	Comments
1	Custody seals intact on shipping container/samples		✓	
2	Chain of custody present?	✓		
3	Chain of custody signed when relinquished and received?	✓		☐ Picked-Up at Secure Location. ☐ Client signed-off at time prior to pick-up
4	All samples checked when COC relinquished		✓	
5	Chain of custody agrees with sample labels?	✓		
6	Samples in proper container/bottle?	✓		
7	Sample containers intact?	✓		
8	Sufficient sample volume for indicated test?	✓		
9	All samples received within holding time?	✓		

Cooler Temperature Compliance Check

Temperature Blank Reading	If no trip blank is submitted individual temperatures must be taken as per SOP.	Cooler Sample Temperature			
		#1	#2	#3	Average
4 °C	→				

Reason for Elevated Temperature	Samples with Temp > 6°C - Comments
☐ - Ice Melted ☐ Insufficient Ice ☐	
☐ Samp. in boxes ☐ Sampled < 4hr. ☐ Ice not req.	

VOA Sample Inspection

		Small	Med.	Large	Samples with broken, cracked or leaking containers
Are bubbles present in any of the VOA vials ?	Sample #	O	O	O	
		☐	☐	☐	
		☐	☐	☐	
		☐	☐	☐	

Water - pH acceptable upon receipt?	Yes	No	Samples with Unacceptable pH
	☐	☐	

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

Comments:

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

Project Manager: (initials) _____ Date: _____/_____/05 Client contacted: Ye☐ N☐

Summary of discussion:

Corrective Action (per PM/Client):

2005 Checklist Ver. 2.0