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QUARTERLY GROUNDWATER MONITORING REPORT
JANUARY 2002 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 January 2002 quarterly 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 January 7, 2002, ASE associate geologist Erik Paddleford 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 northwest at a ~~gradient of 0.002 feet/foot~~. Groundwater elevation (potentiometric surface) contours are plotted on Figure 2.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On January 7, 2002, ASE associate geologist Erik Paddleford collected groundwater samples from monitoring wells MW-1 and MW-2 for analysis. Monitoring well MW-3 was not sampled because hydrocarbons have not been detected since its installation. No free-floating hydrocarbons or sheen was present in any of the groundwater monitoring wells. Prior to sampling, the wells were purged of four 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 from each well using dedicated polyethylene bailers. The groundwater samples were decanted from the bailers 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 sealed and labeled 55-gallon steel drums. 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 8020.

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 CONCLUSIONS

The groundwater samples collected from monitoring well MW-1 contained 1,400 parts per billion (ppb) TPH-G, 34 ppb benzene, 13 ppb ethyl benzene, 15 ppb total xylenes, and 1,300 ppb MTBE. The groundwater samples collected from monitoring well MW-2 did not contain any of the compounds analyzed for above laboratory detection limits. Monitoring well MW-3 was removed from the sampling schedule in January 2001 because hydrocarbons have not been detected since its installation.

The benzene and MTBE concentrations in groundwater samples collected from monitoring well MW-1 exceeded the California Department of Health Services (DHS) maximum contaminant levels (MCLs) for drinking water. However, the benzene and MTBE concentrations did not exceed California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB) Risk Based Screening Levels (RBSLs) presented in the "Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater" document dated August 2000 where water is not a current of potential source of drinking water.

In general, hydrocarbon concentrations detected from monitoring well MW-1 are relatively consistent with previous historical concentrations in that monitoring well. The slight increase in hydrocarbon concentrations this quarter is likely related to the higher groundwater elevation. The concentrations detected this quarter are similar to the concentrations detected during the month of January, approximately one year ago. MTBE has historically been the only compound detected in the groundwater samples collected from MW-2. During this quarter, MTBE was not detected above the laboratory detection limit in monitoring well MW-2.

5.0 RECOMMENDATIONS

ASE recommends that an area well survey be conducted to identify water wells within 2,000-feet of the subject site. ASE recommends the case be reviewed for closure if no drinking water wells are located within the site vicinity.

6.0 REPORT LIMITATIONS

The results of this assessment 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-EPA 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,

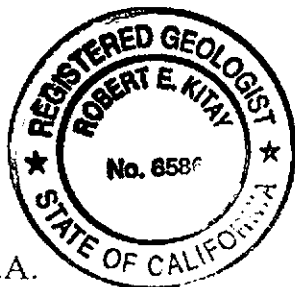
AQUA SCIENCE ENGINEERS, INC.



Erik H. Paddelford
Associate Geologist



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

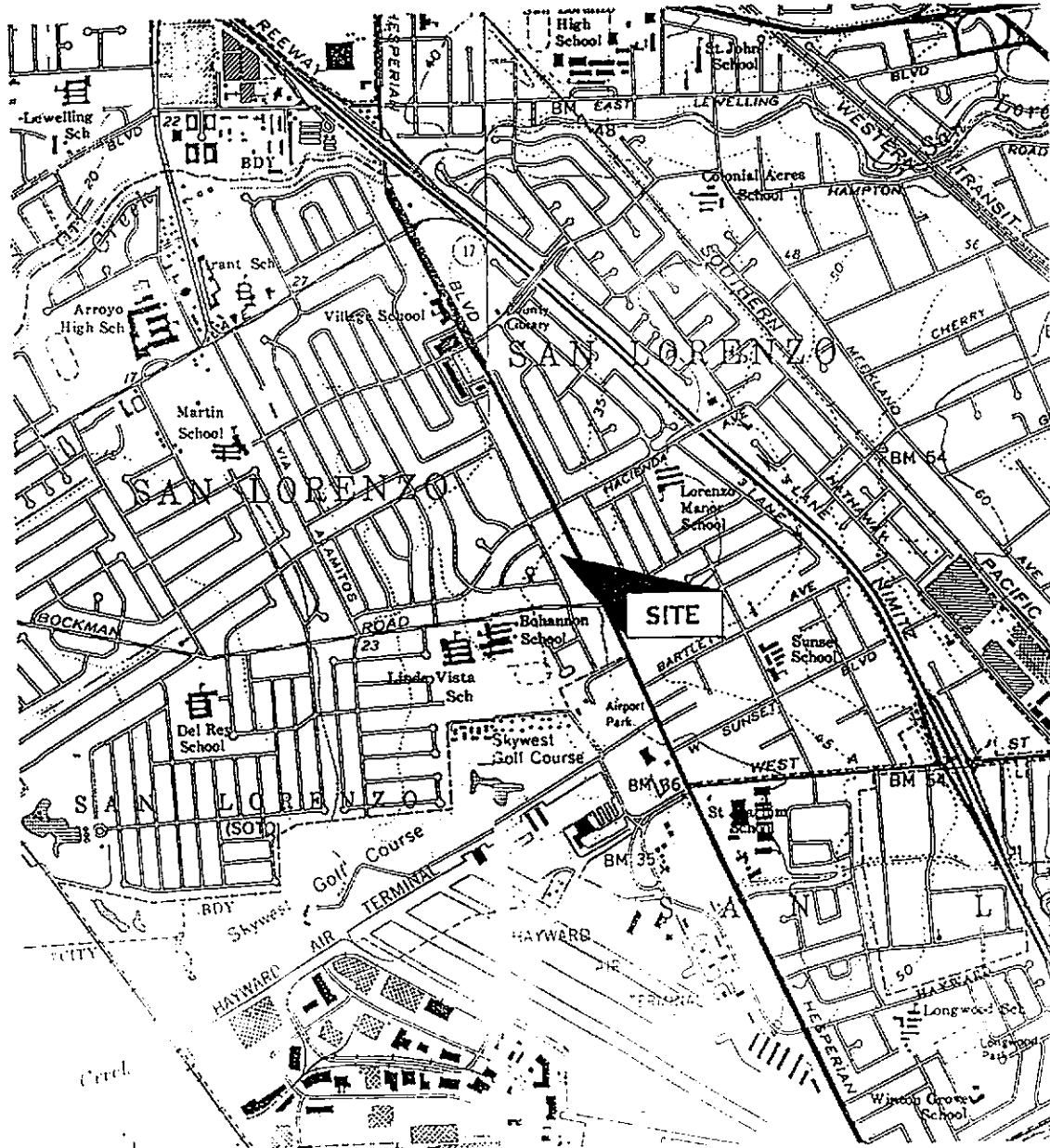


Attachments: Figures 1 and 2
Appendices A and B

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

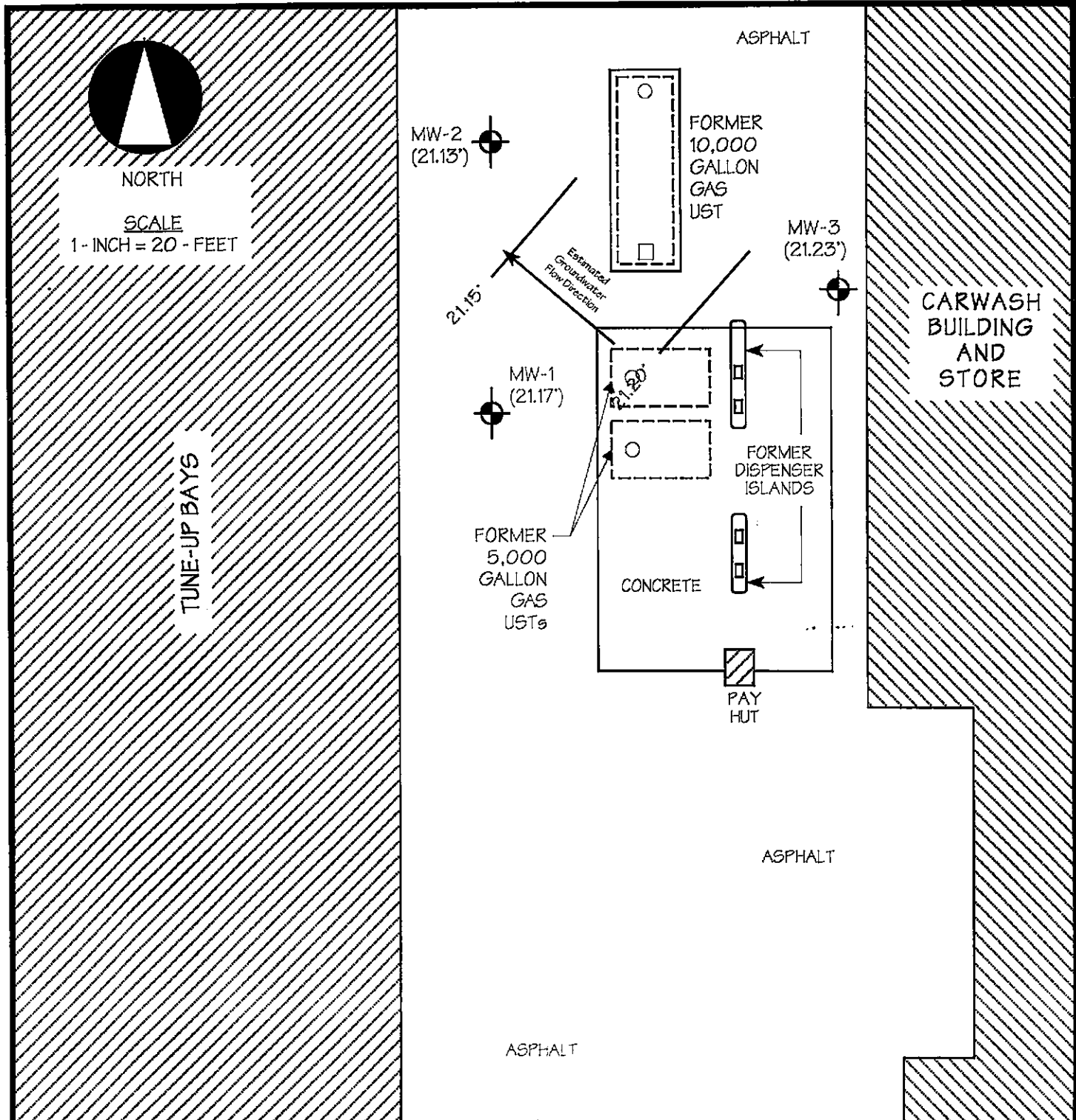


LOCATION MAP



Hutch's Carwash
17945 Hesperian Boulevard
San Lorenzo, California

AQUA SCIENCE ENGINEERS, INC.

Figure 1



LEGEND

-  MW-1 (21.17') Monitoring well with groundwater elevation
-  Groundwater elevation contour

GROUNDWATER ELEVATION
 CONTOUR MAP - 1/7/02

HUTCH'S CARWASH
 17945 HESPERIAN BOULEVARD
 SAN LORENZO, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. FIGURE 2

TABLE ONE
Groundwater Elevation 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	10-06-99	35.00	15.58	19.42
	01-13-00		15.58	19.42
	04-12-00		14.75	20.25
	07-19-00		15.29	19.71
	10-25-00		15.56	19.44
	01-16-01		15.22	19.78
	04-04-01		15.05	19.95
	07-06-01		15.49	19.51
	10-01-01		15.78	19.22
	01-07-02		13.83	21.17
MW-2	10-06-99	35.21	15.84	19.37
	01-13-00		15.78	19.43
	04-12-00		14.94	20.27
	07-19-00		15.54	19.67
	10-25-00		15.81	19.40
	01-16-01		15.50	19.71
	04-04-01		15.28	19.93
	07-06-01		15.73	19.48
	10-01-01		16.06	19.15
	01-07-02		14.08	21.13
MW-3	10-06-99	34.47	14.98	19.49
	01-13-00		14.98	19.49
	04-12-00		14.09	20.38
	07-19-00		14.70	19.77
	10-25-00		14.98	19.49
	01-16-01		14.58	19.89
	04-04-01		14.43	20.04
	07-06-01		14.85	19.62
	10-01-01		15.21	19.26
	01-07-02		13.24	21.23

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
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	< 0.5
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	Not	Sampled				
	04-04-01	Not	Sampled				
	07-06-01	Not	Sampled				
	10-01-01	Not	Sampled				
	01-07-02	Not	Sampled				
DHS MCL		NE	1	150	700	1,750	13
RBSL		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
- RBSL = Risk based screening levels presented in the "Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater" 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



WELL SAMPLING FIELD LOG

Project Name and Address: Autch's Carwash
 Job #: 3411 Date of sampling: 1/7/02
 Well Name: MW-1 Sampled by: EP
 Total depth of well (feet): 26.68 Well diameter (inches): 2"
 Depth to water before sampling (feet): 13.83
 Thickness of floating product if any: -
 Depth of well casing in water (feet): 12.75
 Number of gallons per well casing volume (gallons): 2.04
 Number of well casing volumes to be removed: 4
 Req'd volume of groundwater to be purged before sampling (gallons): 8.16
 Equipment used to purge the well: bailler
 Time Evacuation Began: 1100 Time Evacuation Finished: 1115
 Approximate volume of groundwater purged: 8
 Did the well go dry?: NO After how many gallons: -
 Time samples were collected: 1120
 Depth to water at time of sampling: -
 Percent recovery at time of sampling: -
 Samples collected with: bailler
 Sample color: gray Odor: none
 Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
<u>1</u>	<u>65.9</u>	<u>5.48</u>	<u>891</u>
<u>2</u>	<u>65.8</u>	<u>5.62</u>	<u>891</u>
<u>3</u>	<u>65.8</u>	<u>5.87</u>	<u>892</u>
<u>4</u>	<u>65.8</u>	<u>5.91</u>	<u>893</u>

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
<u>MW-1</u>	<u>3</u>	<u>40 ml VOA</u>	<u>X</u>	<u>X</u>	



WELL SAMPLING FIELD LOG

Project Name and Address: Hutch's Carwash
 Job #: 3411 Date of sampling: 1/7/12
 Well Name: MW-2 Sampled by: EP
 Total depth of well (feet): 25.56 Well diameter (inches): 2"
 Depth to water before sampling (feet): 14.18
 Thickness of floating product if any: _____
 Depth of well casing in water (feet): 11.48
 Number of gallons per well casing volume (gallons): 1.83
 Number of well casing volumes to be removed: 4
 Req'd volume of groundwater to be purged before sampling (gallons): 7.3
 Equipment used to purge the well: bailey
 Time Evacuation Began: 1030 Time Evacuation Finished: 1015
 Approximate volume of groundwater purged: 7
 Did the well go dry?: NO After how many gallons: —
 Time samples were collected: 1050
 Depth to water at time of sampling: —
 Percent recovery at time of sampling: —
 Samples collected with: bailey
 Sample color: clear/brown Odor: none
 Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
<u>1</u>	<u>65.7</u>	<u>9.77</u>	<u>972</u>
<u>2</u>	<u>65.4</u>	<u>5.68</u>	<u>951</u>
<u>3</u>	<u>65.2</u>	<u>5.67</u>	<u>922</u>
<u>4</u>	<u>65.0</u>	<u>6.67</u>	<u>906</u>

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
<u>MW-2</u>	<u>3</u>	<u>40 ml VOA</u>	<u>X</u>	<u>X</u>	<u>MTBE only</u>



WELL SAMPLING FIELD LOG

Project Name and Address: Hutch's Car Wash
Job #: 3411 Date of sampling: 1/7/02
Well Name: MW-3 Sampled by: EP
Total depth of well (feet): Well diameter (inches): 2"
Depth to water before sampling (feet): 13.24
Thickness of floating product if any:
Depth of well casing in water (feet):
Number of gallons per well casing volume (gallons):
Number of well casing volumes to be removed:
Req'd volume of groundwater to be purged before sampling (gallons):
Equipment used to purge the well:
Time Evacuation Began: Time Evacuation Finished:
Approximate volume of groundwater purged:
Did the well go dry?: After how many gallons:
Time samples were collected:
Depth to water at time of sampling:
Percent recovery at time of sampling:
Samples collected with:
Sample color: Odor:
Description of sediment in sample:

CHEMICAL DATA

<u>Volume Purged</u>	<u>Temp</u>	<u>pH</u>	<u>Conductivity</u>

NOT SAMPLED

SAMPLES COLLECTED

<u>Sample</u>	<u># of containers</u>	<u>Volume & type container</u>	<u>Pres</u>	<u>Iced?</u>	<u>Analysis</u>

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

Submission #: 2002-01-0113

Date: January 14, 2002

**SEVERN
TRENT
SERVICES**

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: Erik Paddleford

Project: 3411
Hutch's Carwash

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Attached is our report for your samples received on Wednesday January 9, 2002
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
February 23, 2002 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: vvancil@chromalab.com

Sincerely,



Vincent Vancil
Project Manager

Submission #: 2002-01-0113

Gas/BTEX Compounds by 8015M/8021



STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Aqua Science Engineers, Inc.	☒ 208 West El Pintado Danville, CA 94526
Attn: Erik Paddleford 3411	Phone: (925) 820-9391 Fax: (925) 837-4853 Project: Hutch's Carwash

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	01/07/2002 11:20	1
MW-2	Water	01/07/2002 10:50	2

Submission #: 2002-01-0113



Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

Test Method: 8015M
8021B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Attn: Erik Paddleford

Prep Method: 5030

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Sample ID: MW-1	Lab Sample ID: 2002-01-0113-001
Project: 3411 Hutch's Carwash	Received: 01/09/2002 08:07
Sampled: 01/07/2002 11:20	Extracted: 01/10/2002 19:30
Matrix: Water	QC-Batch: 2002/01/10-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1400	500	ug/L	10.00	01/10/2002 19:30	
Benzene	34	0.50	ug/L	1.00	01/10/2002 18:58	
Toluene	ND	0.50	ug/L	1.00	01/10/2002 18:58	
Ethyl benzene	13	0.50	ug/L	1.00	01/10/2002 18:58	
Xylene(s)	15	0.50	ug/L	1.00	01/10/2002 18:58	
MTBE	1300	50	ug/L	10.00	01/10/2002 19:30	
Surrogate(s)						
Trifluorotoluene	74.4	58-124	%	1.00	01/10/2002 18:58	
4-Bromofluorobenzene-FID	87.0	50-150	%	1.00	01/10/2002 19:30	

Submission #: 2002-01-0113



Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

Test Method: 8015M
8021B

Attn: Erik Paddleford

Prep Method: 5030

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MW-2	Lab Sample ID: 2002-01-0113-002
Project: 3411 Hutch's Carwash	Received: 01/09/2002 08:07
Sampled: 01/07/2002 10:50	Extracted: 01/10/2002 20:01
Matrix: Water	QC-Batch: 2002/01/10-01.02

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/10/2002 20:01	
Benzene	ND	0.50	ug/L	1.00	01/10/2002 20:01	
Toluene	ND	0.50	ug/L	1.00	01/10/2002 20:01	
Ethyl benzene	ND	0.50	ug/L	1.00	01/10/2002 20:01	
Xylene(s)	ND	0.50	ug/L	1.00	01/10/2002 20:01	
MTBE	ND	5.0	ug/L	1.00	01/10/2002 20:01	
Surrogate(s)						
Trifluorotoluene	84.8	58-124	%	1.00	01/10/2002 20:01	
4-Bromofluorobenzene-FID	91.0	50-150	%	1.00	01/10/2002 20:01	

Submission #: 2002-01-0113



Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B

Prep Method: 5030

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/01/10-01.02
 LCS: 2002/01/10-01.02-004 Extracted: 01/10/2002 08:49 Analyzed: 01/10/2002 08:49
 LCSD: 2002/01/10-01.02-005 Extracted: 01/10/2002 09:21 Analyzed: 01/10/2002 09:21

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Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	103	99.5	100.0	100.0	103.0	99.5	3.5	77-123	20		
Toluene	97.8	94.4	100.0	100.0	97.8	94.4	3.5	78-122	20		
Ethyl benzene	102	99.5	100.0	100.0	102.0	99.5	2.5	70-130	20		
Xylene(s)	302	292	300	300	100.7	97.3	3.4	75-125	20		
Surrogate(s)											
Trifluorotoluene	519	494	500	500	103.8	98.8		58-124			

Submission #: 2002-01-0113



Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M

Prep Method: 5030

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/01/10-01.02
 LCS: 2002/01/10-01.02-006 Extracted: 01/10/2002 09:53 Analyzed: 01/10/2002 09:53
 LCSD: 2002/01/10-01.02-007 Extracted: 01/10/2002 10:25 Analyzed: 01/10/2002 10:25

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	448	452	500	500	89.6	90.4	0.9	75-125	20		
<i>Surrogate(s)</i>											
4-Bromofluorobenzene	542	532	500	500	108.4	106.4		50-150			

Submission #: 2002-01-0113



Gas/BTEX Compounds by 8015M/8021

Batch QC Report

Test Method: 8021B

Prep Method: 5030

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Matrix Spike (MS / MSD)	Water	QC Batch # 2002/01/10-01.02
Sample ID: MW-2 >> MS		Lab ID: 2002-01-0113-002
MS: 2002/01/10-01.02-021	Extracted: 01/10/2002 20:33	Analyzed: 01/10/2002 20:33
		Dilution: 1
MSD: 2002/01/10-01.02-022	Extracted: 01/10/2002 21:05	Analyzed: 01/10/2002 21:05
		Dilution: 1

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Conc. [ug/L]			Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		[%]	Recovery	RPD	MS
Benzene	87.9	93.4	ND	100.0	100.0	87.9	93.4	6.1	65-135	20		
Toluene	81.9	87.6	ND	100.0	100.0	81.9	87.6	6.7	65-135	20		
Ethyl benzene	84.6	90.9	ND	100.0	100.0	84.6	90.9	7.2	65-135	20		
Xylene(s)	246	266	ND	300	300	82.0	88.7	7.9	65-135	20		
Surrogate(s)												
Trifluorotoluene	423	456		500	500	84.5	91.2		58-124			

Submission #: 2002-01-0113



Gas/BTEX Compounds by 8015M/8021

Batch QC Report

Test Method: 8015M

Prep Method: 5030

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Matrix Spike (MS / MSD)	Water	QC Batch # 2002/01/10-01.02
Sample ID: MW-2 >> MS		Lab ID: 2002-01-0113-002
MS: 2002/01/10-01.02-023	Extracted: 01/10/2002 21:37	Analyzed: 01/10/2002 21:37
		Dilution: 1
MSD: 2002/01/10-01.02-024	Extracted: 01/10/2002 22:09	Analyzed: 01/10/2002 22:09
		Dilution: 1

Compound	Conc. [ug/L]			Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Gasoline	417	609	ND	500	500	83.4	121.8	37.4	65-135	20		RPD
Surrogate(s)												
4-Bromofluoroben	514	650		500	500	102.	130.0		50-150			

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

Chain of Custody

2002-01-0113

64021

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SAMPLER (SIGNATURE) *E. Riddle* (PHONE NO.) _____

PROJECT NAME Hutch's Carwash JOB NO. 3411
 ADDRESS 17945 Hesperian Boulevard

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

Report MTBE only for MW-2

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)	PCB's & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-GIBTEX/5 OXY'S (EPA 8260)	TPH-GIBTEX/7 OXY'S / HYOCS (EPA 8260)	COMPOSITE
MW-1	1/7/02	1120	Water	3	X															
MW-2	1/7/02	1050	Water	3	X															
MW-3	1/7/02	(E)																		

RELINQUISHED BY: *S. Riddle* 11:58
 (signature) (time)

RECEIVED BY: *Gary Cook* 11:58
 (signature) (time)

RELINQUISHED BY: *Gary Cook* 8:00
 (signature) (time)

RECEIVED BY LABORATORY: *Rowley* 0807
 (signature) (time)

COMMENTS:
 3.6°C

E. Riddle 1/8/02
 (printed name) (date)

G. Cook 1/8/02
 (printed name) (date)

G. Cook 1/9/02
 (printed name) (date)

Rowley 01/09/02
 (printed name) (date)

TURN AROUND TIME
 STANDARD 24H 48H 72H

Company- *ASE*

Company- *STL San Francisco*

Company- *STL SF*

Company- *STL-SF*

OTHER: