July 31, 2002

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QUARTERLY GROUNDWATER MONITORING REPORT JULY 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 July 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 July 9, 2002, 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 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 July 9, 2002, ASE collected groundwater samples from monitoring wells MW-1 and MW-2 for analysis. Monitoring well MW-3 is no longer being sampled because hydrocarbons have not been detected installation. Prior to sampling, the wells were purged of four well casing The pH, temperature, and conductivity of the volumes of groundwater. 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 1,500 parts per billion (ppb) TPH-G, 26 ppb benzene, 12 ppb ethyl benzene, 8.6 ppb total xylenes, and 820 ppb MTBE. The groundwater samples collected from monitoring well MW-2 did not contain any of the compounds analyzed above laboratory detection limits. Monitoring well MW-3 was removed from the sampling schedule in January 2001 because hydrocarbons had 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. The total xylene concentration detected in the groundwater sample collected from MW-1 exceeded the RBSL, but was below the DHS MCL.

In general, hydrocarbon concentrations detected from monitoring well MW-1 are relatively consistent with previous historical concentrations in that monitoring well. MTBE has historically been the only compound detected in the groundwater samples collected from MW-2. MTBE was not detected above the laboratory detection limit in monitoring well MW-2 this quarter.

## 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 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-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. Paddleford Associate Geologist

Rahd E. Kitan

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

Senior Geologist

Attachments: Figures 1 and 2

Appendices A and B

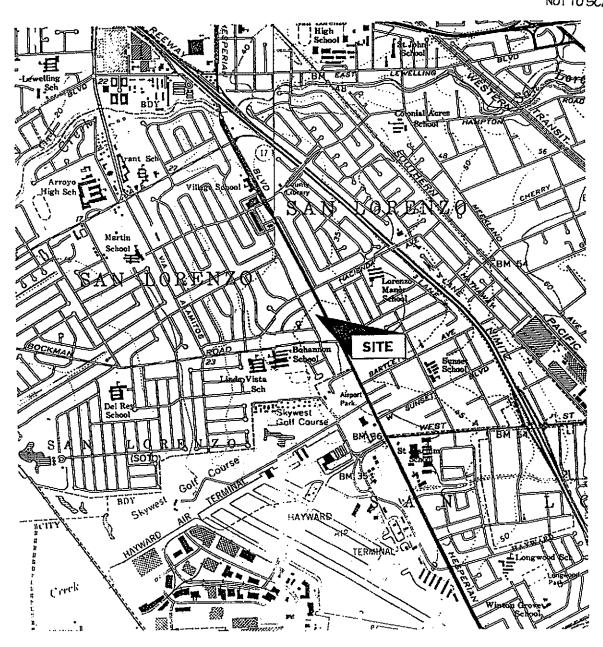
cc: Mr. Kirk Hutchison, Hutch's Car Wash

Mr. Scott Seery, Alameda County Health Care Services Agency

Mr. Chuck Headlee, California Regional Water Quality Control Board



NOT TO SCALE



# LOCATION MAP

Hutch's Carwash 17945 Hesperian Boulevard San Lorenzo, California

AQUA SCIENCE ENGINEERS, INC.

Figure 1

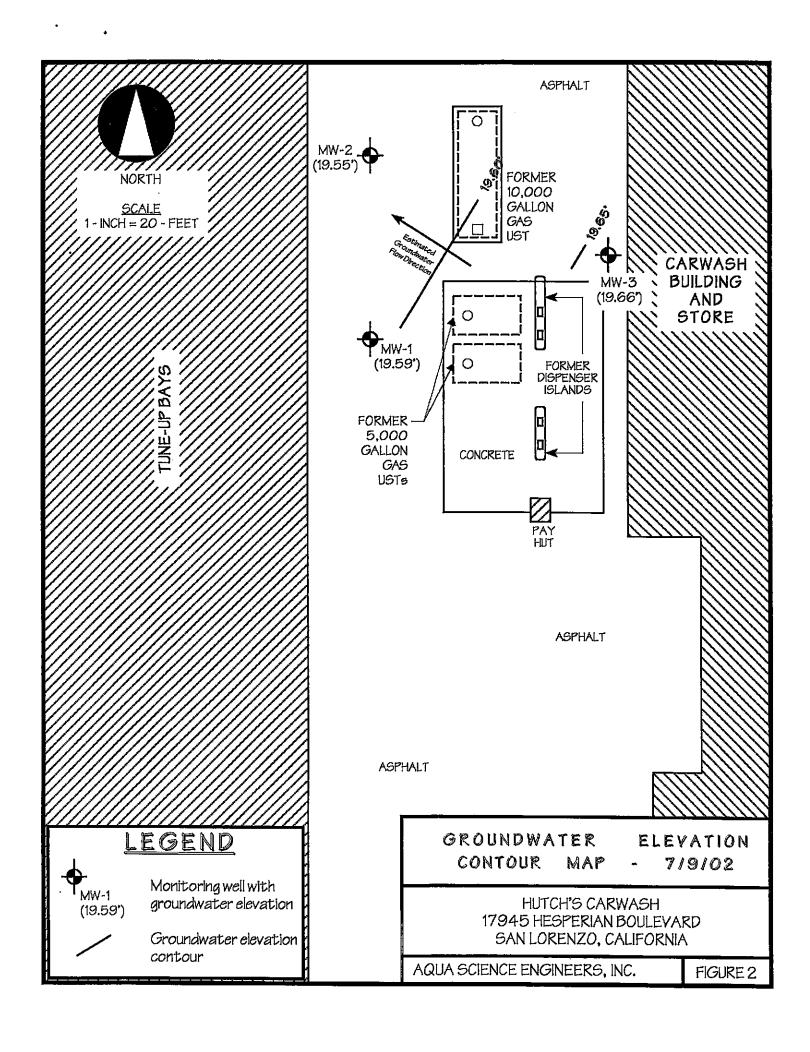


TABLE ONE
Groundwater Elevation Data

	Date	Top of Casing	Depth to	Groundwater
Well	of	Elevation	Water	Elevation
I.D.	Measurement	(relative to project datum)	(feet)	(project data)
N # 337 1	10.06.00	25.00	15.50	10.40
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
	04-02-02		14.83	20.17
	07-09-02		15.41	19.59
MW-2	10-06-99	35.21	15.84	19.37
	01-13-00	23.21	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
	04-02-02		15.04	20.17
	07-09-02		15.66	19.55
MW 2	10.06.00	24.45	14.00	40.40
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
	04-02-02		14.20	20.27
	07-09-02		14.81	19.66

TABLE TWO
Certified Analytical Results of GROUNDWATER Samples
All results are in parts per billion

	Date	TPH	···		Ethyl	Total	
Well	Sampled	Gasoline	Benzene	Toluene	Benzene	Xylenes	MTBE
MW-1	10-06-99	1,500	3.3	2.3	2 7	7 2	120
	01-13-00	1,500	15	19	19	33	650
	04-12-00	1,700	18	13	4 5	79	2,600
	07-19-00	2,200	3 1	< 5.0	8 1	100	2,000
	10-25-00	3,300	20	< 5.0	9.8	9.4	3,300
	01-16-01	4,100	3 4	1 4	60	120	1,300
	04-04-01	2,900	14	< 0.5	3 4	3 2	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	3 4	< 0.5	13	15	1,300
	04-02-02	1,900	30	6.7	2 4	30	1,000
	07-09-02	1,500	2 6	< 5.0	1 2	8.6	8 2 0
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

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	МТВЕ
MW-3	10-06-99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	- 60
141 44 5	01-13-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0 < 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 RBSL		NE 400	46	150 130	290	1.750 13	13 1 ×00

#### 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

Project Name and Address:	15 Carens h
Job #: 34/1 D	ate of sampling: 7/9/02
well iname: //w/ (	ampled how
10tal depth of well (feet): 25 S	Wall diameter ( 1 1
r r r r r r r r r r r r r r r r r r r	
inickness of floating product if any	
Depth of well casing in water (feet).	9.9
Number of gallons per well casing v	nlume (valles), / CC
Number of Well Casing volumes to k	3 +3+4 A+1
ked a volume of groundwater to he r	urged kafara
THE TAXABLE PROPERTY OF A STATE OF THE STATE	<b>建造: 化三氯化</b> 化 计记录 (2.5.6.1.1.5.4.2.1.5.2.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
11me Evacuation Began: 795	Time Promise me twitter Zaza
Leben Adjuste of Blondwater	purged S
Did the well go dry?!_ No	After how many gallons: -
wing Samples were confected. 1010	Salidas
Depth to water at time of samplings_	
Percent recovery at time of sampling	
Samples collected with: bailer	
Sample color:	Odor: nove
Description of sediment in sample:	Silt.
CHEMICAL DATA	
CHEWITCAL DATA	
Volume Purged Tamp	
7.00	[[[[마마마마마마마미미미미미미미미미미미미미미미미미미미미미미미미미미미
<u> </u>	85/
SAMPLES COLLECTED	
o DES COLLECTED	
Sample # of containers Volume & tune same	
Sample # of containers Volume & type cont  MW-Z 3 Yom! VOA	ainer Pres Iced? Analysis
10 10 10 14	<u> </u>
<u></u>	<del></del>
	· · · · · · · · · · · · · · · · · · ·

Project Name and Address: Hukh's Carwash
Job #: $3711$ Date of sampling: $7/9/62$
Well Name: Sampled by
Total depth of well (feet): 26.68 Well diameter (inches):
Deput to water before sampling (feet): 15.47
Thickness of floating product if any:
Depth of well casing in water (feet) 11 ) 7
Number of gallons per well casing volume (gallons): 10
Number of well casing volumes to be removed.
Req'd volume of groundwater to be purged before sampling (gallons): 5 y
Equipment used to purge the well: Dales
Time Evacuation Began: 915 Time Evacuation Finished: 930
Approximate volume of groundwater purged: 55
Did the well go dry? After how many gallons:
Time samples were collected: <u>970</u> .  Depth to water at time of sampling: —
Percent recovery at time of sampling: —
Samples collected with: <u>bailer</u>
Sample color: deal/ gray Odor: nae
Description of sediment in sample: 57/1-
CHEMICAL DATA
[마음[[하다]] [마음] [마음] [마음] [마음] [마음] [마음] [마음] [마
Volume Purged Temp pH Conductivity
1.6 672 851
CAMPT TO COLT TOOMS
SAMPLES COLLECTED
Sample # of containers Volume & type container Press Lead?
This c type container Fies iced! Analysis
MW-1 3 40 n1 VUA x

Project Name and Address: Hitch	5 Carwesh
Job #:	te of sampling: 7/9/02
well Iname: Vyy-3	npled by: _ Ep //
lotal depth of well (feet):	Wall diameter ( 1 3 3
Depth to water before sampling (feet)	14.81
THICKHESS OF HOATING product if any.	
Depth of well casing in water (feet)	경향 2000년, 1942년 1일 - 1941년 1일
Number of gallons per well casing vol	iima (gallana)
Samoot of wolf casing volumes to be	
- was a solution of groundwater to be an	reed before campling (salls-sy
- Same Mentile make the purifice flight melling and	11. 5次 6000 1 1986 1 1986 1 1986 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
lime Execuation Began	Times Evacuation Pinished
Did the well go dry?	After how many religions.
Depth to water at time of sampling.	
recent recovery at time of sampling	
Samples collected with:	
Sample color:	Odor:
Description of sediment in sample	
CHEMICAL DATA  Volume Purged Temp pH	Sanductivity
SAMPLES COLLECTED	
Sample # of containers Volume & type gents;	
Sample # of containers Volume & type containers	ner Pies leed? Analysis

# **APPENDIX B**

Certified Analytical Report and Chain of Custody Documentation Submission#: 2002-07-0212 July 16, 2002

SEVERN TRENT LABORATORY

STL San Francisco 1220 Quarry Ln Pleasanton CA 94566

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

CA DHS ELAP#:2496

Aqua Science Engineers, Inc.

208 West El Pintado Danville, CA 94526

Attn.:

Erik Paddleford

Project#:

3411

Project.

Hutch's Carwash

Site:

17945 Hesperian Blvd.

Attached is our report for your samples received on 07/11/2002 16:32 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 08/25/2002 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

Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

Attn.: Erik Paddleford 208 West El Pintado Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3411

Hutch's Carwash

Received: 07/11/2002 16:32

Site: 17945 Hesperian Blvd.

SEVERN TRENT LABORATORY

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# 2496

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
MW-1	07/09/2002 09:40	Water	1
MW-2	07/09/2002 10:10	Water	2

## Gas/BTEX Compounds by 8015M/8021

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

	A CONTRACTOR OF THE CONTRACTOR
Prep(s): 5030 Te	strs): 8015M
Prep(s): 5030 Tes	st(s): 8015M
	80218
JUJU	0U21D
Sample ID: MW-1 Lat	o ID: 2002-07-0212 - 1
Campic III. IIII.	U ID. 2002-07-0212 - I
Sampled: 07/09/2002 09:40 Ex	
Sampled: 07/09/2002 09:40 Ex	tracted: 7/12/2002 17:50
Matrix: Water OC	Batch#: 2002/07/12-01.02
MOUIA PROCE	, DalCI#, ZUUZ/U1/12-U1/U2
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1500	500	ug/L	10.00	07/12/2002 17:50	
Benzene	26	5.0	ug/L	10.00	07/12/2002 17:50	
Toluene	ND	5.0	ug/L	10.00	07/12/2002 17:50	
Ethyl benzene	12	5.0	ug/L	10.00	07/12/2002 17:50	
Xylene(s)	8.6	5.0	ug/L	10.00	07/12/2002 17:50	
MTBE	820	50	ug/L	10.00	07/12/2002 17:50	
Surrogates(s)						
Trifluorotoluene	97.0	58-124	%	10.00	07/12/2002 17:50	
4-Bromofluorobenzene-FID	94.0	50-150	%	•	07/12/2002 17:50	

# Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

Attn.: Erik Paddleford 208 West El Pintado Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3411

Hutch's Carwash

Received: 07/11/2002 16:32

Site: 17945 Hesperian Blvd.

SEVERN TRENT LABORATORY

STL San Francisco 1220 Quarry Lane Pleasanton, CA 94566

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

Prep(s): 5030 Test(s): 8015M	
5030 80218	
Sample ID: MW-2 Lab ID: 2002-07-021	2-2
Sampled: 07/09/2002 10:10 Extracted: 7/12/2002 18	23
Matrix: Water QC Batch#: 2002/07/12-0	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/12/2002 18:23	
Benzene	ND	0.50	ug/L	1.00	07/12/2002 18:23	
Toluene	ND	0.50	ug/L	1.00	07/12/2002 18:23	
Ethyl benzene	ND	0.50	ug/L	1.00	07/12/2002 18:23	
Xylene(s)	ND	0.50	ug/L	1.00	07/12/2002 18:23	
MTBE	ND	5.0	ug/L	1.00	07/12/2002 18:23	
Surrogates(s)		ļ.	1			
Trifluorotoluene	87.7	58-124	1%	1.00	07/12/2002 18:23	
4-Bromofluorobenzene-FID	88.9	50-150	%		07/12/2002 18:23	

Gas/BTEX Compounds by 8015M/8021

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

	Bato	h QC Report			
Prep(s): 5030 Method Blank MB: 2002/07/12-01,02-005		Water	D	Test(s) QC Batch <b># 2002/07/1</b> ate Extracted: 07/12/200	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/12/2002 10:00	
Benzene	ND	0.5	ug/L	07/12/2002 10:00	
Toluene	ND	0.5	ug/L	07/12/2002 10:00	
Ethyl benzene	ND	0.5	ug/L	07/12/2002 10:00	
Xylene(s)	ND	0.5	ug/L	07/12/2002 10:00	
MTBE	ND	5.0	ug/L	07/12/2002 10:00	
Surrogates(s)					
Trifluorotoluene	97.5	58-124	%	07/12/2002 10:00	
4-Bromofluorobenzene-FID	100.0	50-150	%	07/12/2002 10:00	

Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

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

		В	atch QC Re	port				il.	¥ 17 40	
Prep(s): 5030		alignaries Marianies							Test(s):	8021B
Laboratory Control Spik	re .		Wate			Q	C Batch	# 200	)2/07/12	-01,02
LGS 2002/07/12-01 LCSD 2002/07/12-01			Extracted: ( Extracted: (				Analyze Analyze	111100000000000	17.5	. 10:33 11:06
Compound	Conc.	ug/L Exp.Conc. Re			overy	RPD Ctrl.Limits		nits %	its % Flags	
<u> </u>	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	103	97.1	100.0	103.0	97.1	5.9	77-123	20		
Toluene	104	96.5	100.0	104.0	96.5	7.5	78-122	20		
Ethyl benzene	112	104	100.0	112.0	104.0	7.4	70-130	20		
Xylene(s)	299	275	300	99.7	91.7	8.4	75-125	20		
Surrogates(s) Trifluorotoluene	519	477	500	103.8	95.4		58-124			

Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

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TRENT
LABORATORY

STL San Francisco 1220 Quarry Lane Pleasanton, CA 94566

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

			Batch QC Re	port						
Prep(s): 5030	pakozot estila estisal estilalia estisalaria esti								rest(s);	8015M
Laboratory Control Spi	ike		Water			Q	C Batch	# 200	)2/07/12	-01.02
LCS 2002/07/12-0 LCSD 2002/07/12-0			Extracted: ( Extracted: (				Analyze Analyze			
Compound	Conc.	ug/L	Exp.Conc.	Rec	очегу	RPD	Ctrl.Lin	nits %	Fla	ags
<u> </u>	LCS	LCSD	·	LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	504	524	500	100.8	104.8	3.9	75-125	20	1	
Surrogates(s) 4-Bromofluorobenzene-FID	517	526	500	103.4	105.2		50-150			

Gas/BTEX Compounds by 8015M/8021

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SEVERN TRENT LABORATORY

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# 2496

Site:	17945 Hesperian	Blvd.
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Received: 07/11/2002 16:32

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MSD: 2002/07/12-01.0	2-019	Extra	cted: 07/12/200		Analyzed: Dilution:	07/12/2002 19:31
MS: 2002/07/12-01.0	2-018	Extra	ded: 07/12/200		Analyzed: Dilution:	07/12/2002 18:57 1.00
MW-2 >> M\$		herry d Design			Lab ID: 2	902-07-0212 - 002
Matrix Spike ( MS / M	SD)		Water		QC Batch i	¥ 2002/07/12-01.02
Prep(s): 5030						Test(s): 8021B
	200 (10) (2) (10) (10) (2)	E	latch QC Re	oort		

Compound	Conc.	ug/L		Spk.Level Recovery			Limit	Limits %		Flags	
	MS	MSD	Sample	ug/L	мѕ	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	90.8	79.0	ND	100.0	90.8	79.0	13.9	65-135	20		
Toluene	89.4	78.3	ND	100.0	89.4	78.3	13.2	65-135	20		
Ethyl benzene	88.6	77.9	ND	100.0	88.6	77.9	12.9	65-135	20		
Xylene(s)	246	218	ND	300	82.0	72.7	12.0	65-135	20		
Surrogate(s)								İ			
Trifluorotoluene	486	433		50 <b>0</b>	97.1	86.6		58-124			

Gas/BTEX Compounds by 8015M/8021

Aqua Science Engineers, Inc.

Attn.: Erik Paddleford 208 West El Pintado Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: 3411

Hutch's Carwash

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	Batch QC Report		
Prep(s): 5030			Test(s): 8015M.
Matrix Spike (MS / MSD )	Water	QC Batch	# 2002/07/12-01.02
MW-2 >> M3		Lab ID.	2002-07-0212 - 002
MS: 2002/07/12-01.02-020	Extracted: 07/12/2002	Analyzed:	07/12/2002 20:05
		Dilution:	1.00
MSD: 2002/07/12-01-02-021	Extracted: 07/12/2002	Analyzed:	07/12/2002 20:38
	rage in the second of the second	Dilution:	1.00

Received: 07/11/2002 16:32

Site: 17945 Hesperian Blvd.

Compound	Conc. ug/L s		Spk.Level	Spk.Level Recovery			Limits %		Flags		
<u> </u>	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	493	484	ND	500	98.6	96.8	1.8	65-135	20		
Surrogate(s) 4-Bromofluorobenzene-FID	524	516		500	104.8	103.2		50-150			