

20451



February 10, 2005

Alameda County
FEB 16 2005
Environmental Health

**SEMI-ANNUAL GROUNDWATER MONITORING REPORT
JANUARY 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 January 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 January 29, 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 north-northeast at a gradient of 0.008-feet/foot. Groundwater elevation (potentiometric surface) contours are plotted on Figure 2.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

On January 29, 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

Dissolved hydrocarbon concentrations in monitoring well MW-1 have continued to fall and are at record low levels. 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 160 parts per billion (ppb) TPH-G, 1.0 ppb benzene, 2.5 ppb ethyl benzene, and 60 ppb MTBE.

The MTBE concentration 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 and the benzene concentration was equivalent to the MCL. 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 July 2003 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 July 2005. 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.

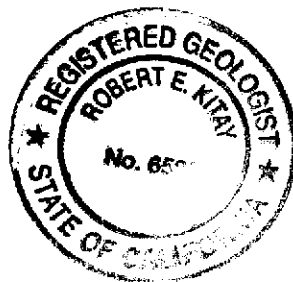
Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Damian Hriciga
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

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
	04-02-02		14.83	20.17
	07-09-02		15.41	19.59
	10-01-02		15.70	19.30
	01-24-03		14.69	20.31
	07-25-03		15.41	19.59
	01-16-04		14.73	20.27
07-14-04	15.54	19.46		
	1-29-05		14.38	20.62
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
	04-02-02		15.04	20.17
	07-09-02		15.66	19.55
	10-01-02		15.96	19.25
	01-24-03		14.90	20.31
	07-25-03		15.68	19.53
	01-16-04		14.93	20.28
07-14-04	15.81	19.40		
	1-29-05		14.90	20.31

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-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
	10-01-02		15.12	19.35
	01-24-03		14.05	20.42
	07-25-03		14.82	19.65
	01-16-04		14.08	20.39
	07-14-04		14.94	19.53
	1-29-05		14.03	20.44

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	
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				

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

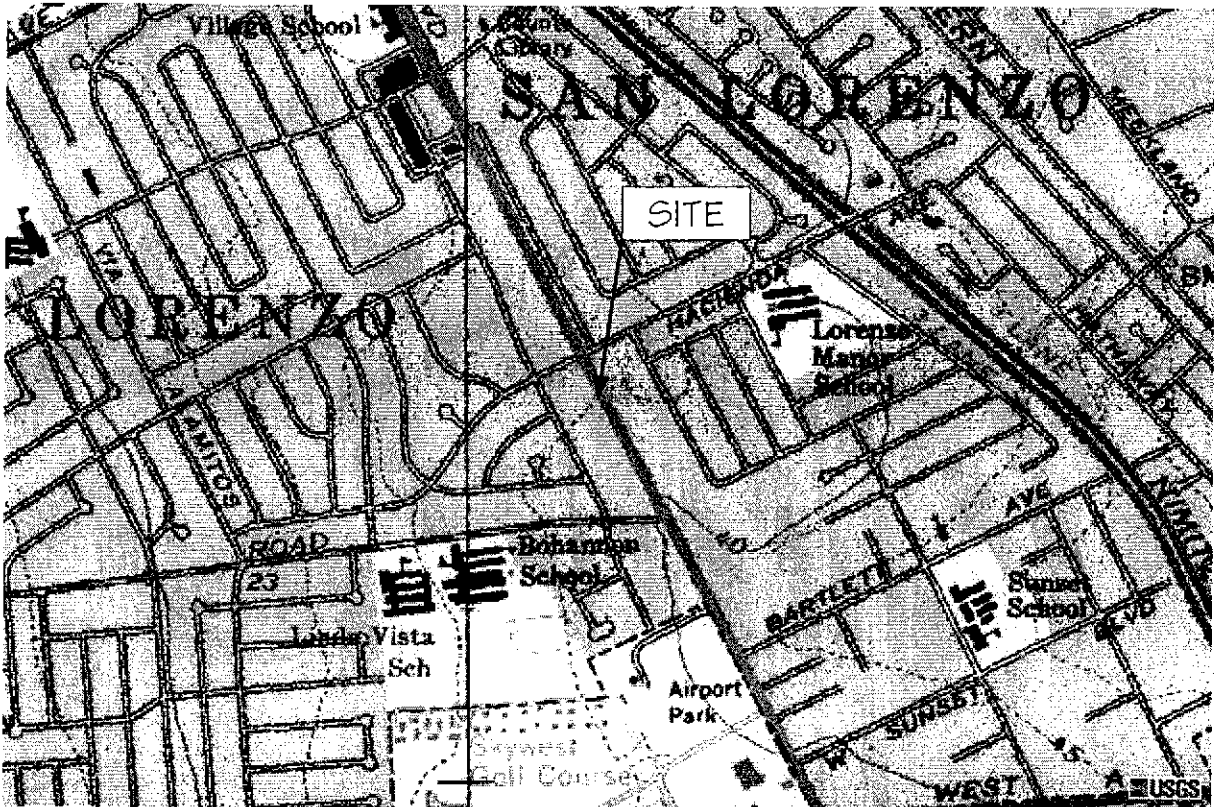
Well	Date Sampled	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
MW-3	10-06-99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	01-13-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	04-12-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	07-19-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
	10-25-00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 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



NORTH



LOCATION MAP

HUTCH'S CAR WASH
17945 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC | FIGURE 1



NORTH

SCALE
1 - INCH = 20 - FEET

TUNE-UP BAYS

ASPHALT

FORMER
10,000
GALLON
GAS
UST

MW-2
(20.31')

20.4'

MW-3
(20.44')

20.5'

20.6'

MW-1
(20.62')

FORMER
5,000
GALLON
GAS
USTs

FORMER
DISPENSER
ISLANDS

CONCRETE

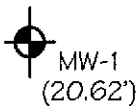
CARWASH
BUILDING
AND
STORE

PAY
HUT

ASPHALT

ASPHALT

LEGEND



Monitoring well with
groundwater elevation



Groundwater elevation
contour



Observed groundwater
flow direction

GROUNDWATER ELEVATION
CONTOUR MAP -1/29/05

HUTCH'S CARWASH
17945 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC.

FIGURE 2

APPENDIX A

Well Sampling Field Logs

LEWIS



WELL SAMPLING FIELD LOG

2
3

Project Name and Address: ALVICA'S
 Job #: 3411 Date of sampling: 1-29-05
 Well Name: MW-1 Sampled by: PH
 Total depth of well (feet): 26.6 Well diameter (inches): 2
 Depth to water before sampling (feet): 11.38
 Thickness of floating product if any: _____
 Depth of well casing in water (feet): 12.22
 Number of gallons per well casing volume (gallons): 2.0
 Number of well casing volumes to be removed: 3
 Req'd volume of groundwater to be purged before sampling (gallons): 5.9
 Equipment used to purge the well: BALLER
 Time Evacuation Began: 1355 Time Evacuation Finished: 1425
 Approximate volume of groundwater purged: 6
 Did the well go dry?: No After how many gallons: _____
 Time samples were collected: 1430
 Depth to water at time of sampling: 11.58
 Percent recovery at time of sampling: _____
 Samples collected with: BALLER
 Sample color: _____ Odor: STHC
 Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
0	66.7	6.78	830
2	66.7	7.02	827
4	66.7	7.02	820
6	66.6	7.01	814

SAMPLES COLLECTED

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



WELL SAMPLING FIELD LOG

Project Name and Address: Hotell's
 Job #: 3411 Date of sampling: 1-29-05
 Well Name: MW-2 Sampled by: DH
 Total depth of well (feet): _____ Well diameter (inches): 2
 Depth to water before sampling (feet): 1490
 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: _____
 Required 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: _____
 Description of sediment in sample: _____

NOT SAMPLED THIS QUARTER

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	iced?	Analysis
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

Aqua Science Engineers, Inc.

February 08, 2005

208 West El Pintado
Danville, CA 94526

Attn.: Damian Hriciga

Project#: 3411

Project: Hutch's

Dear Mr. Hriciga,

Attached is our report for your samples received on 01/31/2005 12:35

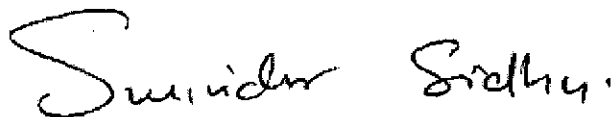
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/17/2005 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
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

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

Project: 3411

Hutch's

Received: 01/31/2005 12:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	01/29/2005 14:30	Water	1

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/07/2005 16:37

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

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

Project: 3411
Hutch's

Received: 01/31/2005 12:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2005-01-0826 - 1
Sampled:	01/29/2005 14:30	Extracted:	2/7/2005 15:00
Matrix:	Water	QC Batch#:	2005/02/07-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	160	50	ug/L	1.00	02/07/2005 15:00	
Methyl tert-butyl ether (MTBE)	60	0.50	ug/L	1.00	02/07/2005 15:00	
Benzene	1.0	0.50	ug/L	1.00	02/07/2005 15:00	
Toluene	ND	0.50	ug/L	1.00	02/07/2005 15:00	
Ethylbenzene	2.5	0.50	ug/L	1.00	02/07/2005 15:00	
Total xylenes	ND	1.0	ug/L	1.00	02/07/2005 15:00	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	02/07/2005 15:00	
Toluene-d8	104.0	81-114	%	1.00	02/07/2005 15:00	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/07/2005 16:37

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

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

Project: 3411

Hutch's

Received: 01/31/2005 12:35

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/02/07-01.69-049

Water

Test(s): 8260B

QC Batch # 2005/02/07-01.69

Date Extracted: 02/07/2005 07:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/07/2005 07:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/07/2005 07:49	
Benzene	ND	0.5	ug/L	02/07/2005 07:49	
Toluene	ND	0.5	ug/L	02/07/2005 07:49	
Ethylbenzene	ND	0.5	ug/L	02/07/2005 07:49	
Total xylenes	ND	1.0	ug/L	02/07/2005 07:49	
Surrogates(s)					
1,2-Dichloroethane-d4	99.0	73-130	%	02/07/2005 07:49	
Toluene-d8	100.4	81-114	%	02/07/2005 07:49	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/07/2005 16:37

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

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

Project: 3411
Hutch's

Received: 01/31/2005 12:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/07-01.69

LCS 2005/02/07-01.69-031

Extracted: 02/07/2005

Analyzed: 02/07/2005 07:31

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.1		25.0	112.4			65-165	20		
Benzene	24.7		25.0	98.8			69-129	20		
Toluene	26.1		25.0	104.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	484		500	96.8			73-130			
Toluene-d8	498		500	99.6			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/07/2005 16:37

Fuel Oxygenates by 8260B

Aqua Science Engineers, Inc.

Attn.: Damian Hriciga

208 West El Pintado

Danville, CA 94526

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

Project: 3411

Hutch's

Received: 01/31/2005 12:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/07-01.69

MS/MSD

Lab ID: 2005-01-0770 - 001

MS: 2005/02/07-01.69-011

Extracted: 02/07/2005

Analyzed: 02/07/2005 12:11

Dilution: 1.00

MSD: 2005/02/07-01.69-030

Extracted: 02/07/2005

Analyzed: 02/07/2005 12:30

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.6	25.6	ND	25.0	106.4	102.4	3.8	65-165	20		
Benzene	23.3	22.3	ND	25.0	93.2	89.2	4.4	69-129	20		
Toluene	25.4	24.3	ND	25.0	101.6	97.2	4.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	493	471		500	98.6	94.2		73-130			
Toluene-d8	506	506		500	101.2	101.2		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/07/2005 16:37

STL San Francisco

Sample Receipt Checklist

Submission #: 2005-01-0826

Checklist completed by: (initials) MV Date: 01/31/05

Courier name: STL San Francisco Client

Custody seals intact on shipping container/samples

Yes No Not Present

Chain of custody present?

Yes No

Chain of custody signed when relinquished and received?

Yes No

Chain of custody agrees with sample labels?

Yes No

Samples in proper container/bottle?

Yes No

Sample containers intact?

Yes No

Sufficient sample volume for indicated test?

Yes No

All samples received within holding time?

Yes No

Container/Temp Blank temperature in compliance (4°C ± 2)?

Temp: 4°C Yes No

Potential reason for > 4°C: Ice melted Ice in gaps Not enough ice Not enough blue ice Samples in boxes

Sampled < 4hr. ago? Ice not required (e.g. air or bulk sample)

Ice Present Yes No

Water - VOA vials have zero headspace?

No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO3 HCl H2SO4 NaOH ZnOAc - Lot #(s)

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

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

Project Manager: (initials) Date: / / 05

Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):



STL
2005-01-0826

STL San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94568-4756
Phone: (925) 484-1919 • Fax: (925) 484-1096
Email: sflogin@stl-inc.com

Reference #: 97891

Date 1-29-05 Page 1 of 1

Report To				Analysis Request												Number of Containers						
Att:	Company:	Address:	Phone:	IPM EPA - <input type="checkbox"/> SVOCs/PAHs <input type="checkbox"/> PCBs/PCBs	PEX EPA - <input type="checkbox"/> 601 <input type="checkbox"/> 2665	TEPH EPA: <input type="checkbox"/> SVOCs <input type="checkbox"/> PCBs <input type="checkbox"/> PAHs <input type="checkbox"/> Metals <input type="checkbox"/> Chlorides	Fuel Tests EPA: <input type="checkbox"/> BTEX <input type="checkbox"/> Gas <input type="checkbox"/> H2S <input type="checkbox"/> Free Organics <input type="checkbox"/> OCA <input type="checkbox"/> SOB <input type="checkbox"/> Emerals	Purgative Hydrocarbons (HVOCs) EPA 8227 by 8265B	Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B <input type="checkbox"/> 824	Semi-volatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825	Oil and Grease (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 808 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 808	PMs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	DAM17 Metals (EPA 801074707471)	Asbestos <input type="checkbox"/> Lead <input type="checkbox"/> LUMFT <input type="checkbox"/> PCRA <input type="checkbox"/> Other:		Low Level Metals by EPA 300.85020 (ICP-MS)	W.E.T (STLC) <input type="checkbox"/> TCLP	Freeze-dried Chromium pH (24h hold time for H-O)	Spect Count, <input type="checkbox"/> Asbestos TSS <input type="checkbox"/> TDS <input type="checkbox"/>	Arsenic: <input type="checkbox"/> <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> OF <input type="checkbox"/> BF <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	
Sample ID	Date	Time	Mat rix	Pres erv																		
ML-1	1-29-05	1430	W	ML	X																	5

Project Info		Sample Receipt		1) Relinquished by:		2) Relinquished by:		3) Relinquished by:	
Project Name: <u>HATCH'S</u>	# of Containers: <u>3</u>	Head Space:	Tamp: <u>4</u>	Signature: <u>DAMIAN HATCH</u>	Time: <u>0800</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature:	Time:
Project: <u>3111</u>	Confirms to record:	Company: <u>ASE</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature:	Time:	Signature:
PO#:	Company: <u>STL S.F.</u>	Signature: <u>[Signature]</u>	Time: <u>0910</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature:	Time:	Signature:	Time:
Credit Card#:	Company: <u>STL S.F.</u>	Signature: <u>[Signature]</u>	Time: <u>01-31-05</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature:	Time:	Signature:	Time:
T A T	Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF Special Instructions / Comments: <u>T0600102285</u>	Company: <u>STL S.F.</u>	Signature: <u>[Signature]</u>	Time: <u>0910</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature:	Time:	Signature:
5 Day	Company: <u>STL S.F.</u>	Signature: <u>[Signature]</u>	Time: <u>01-31-05</u>	Signature: <u>[Signature]</u>	Time: <u>1235</u>	Signature:	Time:	Signature:	Time:

*STL SF reports 8015M from C₂-C₉ (industry norm), Default for 8015M is C₁₀-C₂₅