aqua science engineers inc.

ENTAL PROTECTION

00 MAR 24 AM 9:41

5/1/00 -Per R Kitay - Lab confirmed presence of MTBE w/ 8260. but cannot confirm other oxygenates

5/8/00 Spoke w/ Ian Reed. Do water + conduit study. If no receptors w/in 1,000' maybe further dg well not warranted. Cont. w/ QMR

March 21, 2000

QUARTERLY GROUNDWATER MONITORING REPORT
FEBRUARY 2000 GROUNDWATER SAMPLING
ASE JOB NO. 3190

at the
Former Peerless Stages Bus Property
2021 Brush Street
Oakland, California

Final draft MTBE guideline available at www.swrcb.ca.gov under NEWS heading.

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

1.0 INTRODUCTION

The following is a report detailing the results of the February 2000 quarterly groundwater sampling at the former Peerless Stages bus company site located at 2021 Brush Street in Oakland, California *(Figures 1).*

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On February 16, 2000, ASE associate geologist Ian Reed measured the depth to water in all four site groundwater monitoring wells 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 site monitoring well. Groundwater elevation data is presented as Table One.

A groundwater potentiometric surface map is presented as *Figure 2.* The groundwater flow direction is to the west with an approximate gradient of 0.0033 feet/foot. The water table has risen an approximately 3.3-feet since November 1999.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Prior to sampling, each monitoring well was purged of four well casing volumes of groundwater using dedicated polyethylene bailers. The parameters pH, temperature and conductivity were monitored during the well purging. Samples were not collected until these parameters stabilized. Groundwater samples were collected from each well using dedicated polyethylene bailers.

The samples to be analyzed for volatile compounds were decanted from the bailers into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid and capped without headspace. The samples to be analyzed for total petroleum hydrcarbons as diesel (TPH-D) were contained in 1-liter amber glass containers. All of the samples were labeled and placed in a cooler with wet ice for transport to Chromalab, Inc. of Pleasanton, California (ELAP #1094) under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A.

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

The groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method 5030/8015M, TPH-D by modified EPA Method 3510/8015M, benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX) by EPA Method 8020 and methyl tertiary-butyl ether (MTBE) by EPA Method 8020. The groundwater samples collected from monitoring well MW-2 were also analyzed for volatile organic compounds (VOCs) by EPA Method 8260A/5030. The analytical results for this and previous sampling periods are presented in Table Two. The certified analytical report and chain-of-custody documentation are included as Appendix B.

4.0 CONCLUSIONS

The groundwater samples collected from montoring well MW-2 contained 1,500 ppb TPH-D and 3,800 ppb MTBE. The groundwater samples collected from monitoring well MW-4 contained 76 ppb TPH-D. There were no compounds detected above laboratory reporting limits in groundwater samples collected from monitoring wells MW-1 and MW-3. The groundwater samples collected from monitoring well MW-2 contained no VOC concentrations detected above their laboratory reporting limits.

The MTBE concentration in groundwater samples collected from monitoring well MW-2 exceeded the California Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water.

5.0 RECOMMENDATIONS

ASE recommends the subject site remain on a quarterly sampling schedule. The next sampling is scheduled for May 2000. ASE also recommends that the groundwater samples collected from monitoring well MW-2 no longer be analyzed for VOCs.

As requested by Ms. Eva Chu of the Alameda County Health Care Services Agency (ACHCSA), ASE has prepared a drawing of the vicinity surrounding the site *(Figure 3)*.

6.0 REPORT LIMITATIONS

The results presented in 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 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 by the laboratory. All of the laboratory work cited in this report was prepared under the direction of 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 site and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Ian T. Reed
Associate Geologist

Robert E. Kitay, R.G., R.E.A.
Senior Geologist x 203

Attachments: Tables One and Two
Figures 1 through 3
Appendices A and B

cc: Mr. Alex Gaeta, Responsible Party
Mr. Gardner Kent, Property Owner
Ms. Eva Chu, ACHSA
Mr. Chuck Headlee, RWQCB, San Francisco Bay Region

TABLES

TABLE ONE
Summary of Groundwater Well Survey Data
Peerless Stages Property, Oakland, California

Well ID	Date of Measurement	Top of Casing Elevation (relative to project datum)	Depth to Water (feet)	Groundwater Elevation (project datum)
MW-1	08/26/99	19.66	16.44	3.22
	11/11/99		16.56	3.10
	02/16/00		**13.02**	**6.64**
MW-2	08/26/99	20.00	16.88	3.12
	11/11/99		16.92	3.08
	02/16/00		**13.76**	**6.24**
MW-3	08/26/99	18.91	15.94	2.97
	11/11/99		15.98	2.93
	02/16/00		**12.70**	**6.21**
MW-4	08/26/99	19.43	16.48	2.95
	11/11/99		16.50	2.93
	02/16/00		**13.19**	**6.24**

TABLE TWO

Summary of Chemical Analysis for Groundwater Samples
Peerless Stages Property, Oakland, California
All results are in parts per billion (ppb)

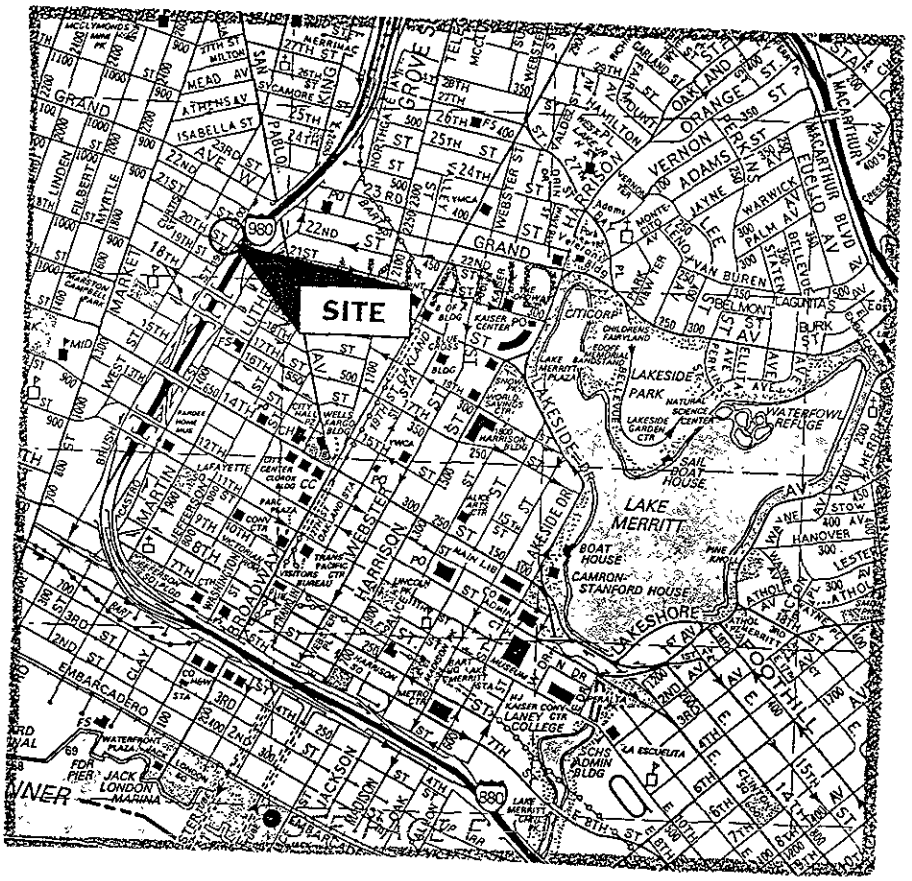
SAMPLE ID	DATE SAMPLED	TPH-G	TPH-D	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	PNAs	VOCs
MW-1	8/26/99	81	< 50	3.5	7.9	3.2	15	< 5.0	NA	NA
	11/11/99	< 50	110	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	NA	NA
	2/16/00	**< 50**	**< 50**	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**< 5.0**	**NA**	**NA**
MW-2	8/26/99	8,600	1,200*	< 25	< 25	< 25	< 25	14,000	< 0.057 - < 0.23	NA
	11/11/99	710	2,300*	< 0.5	< 0.5	< 0.5	< 0.5	6,200	NA	NA
	2/16/00	**< 50**	**1,500***	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**3,800**	**NA**	**< 10 - < 1,000**
MW-3	8/26/99	< 50	< 63	2.5	3	0.87	4	< 5.0	NA	NA
	11/11/99	< 50	< 56	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	NA	NA
	2/16/00	< 50	**< 50**	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**< 5.0**	**NA**	
MW-4	8/26/99	< 50	420*	< 0.5	< 0.5	0.88	3.6	< 5.0	NA	NA
	11/11/99	< 50	120*	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	NA	NA
	2/16/00	**< 50**	**76***	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**< 5.0**	**NA**	**NA**
DHS MCL		NE	NE	1	150	700	1,750	13	varies	varies

Notes:

Non-Detectable concentrations are noted by a less than symbol (<) followed by the laboratory reporting limit
NE = DHS MCL not established
PNAs = Polynuclear Aromatic Hydrocarbons
VOCs = Volatile Organic Compounds
DHS MCL = Department of Health Services Maximum Contaminant Levels for drinking water
NA = Sample was not analyzed
* = Hydrocarbons do not match the laboratory diesel standard

FIGURES

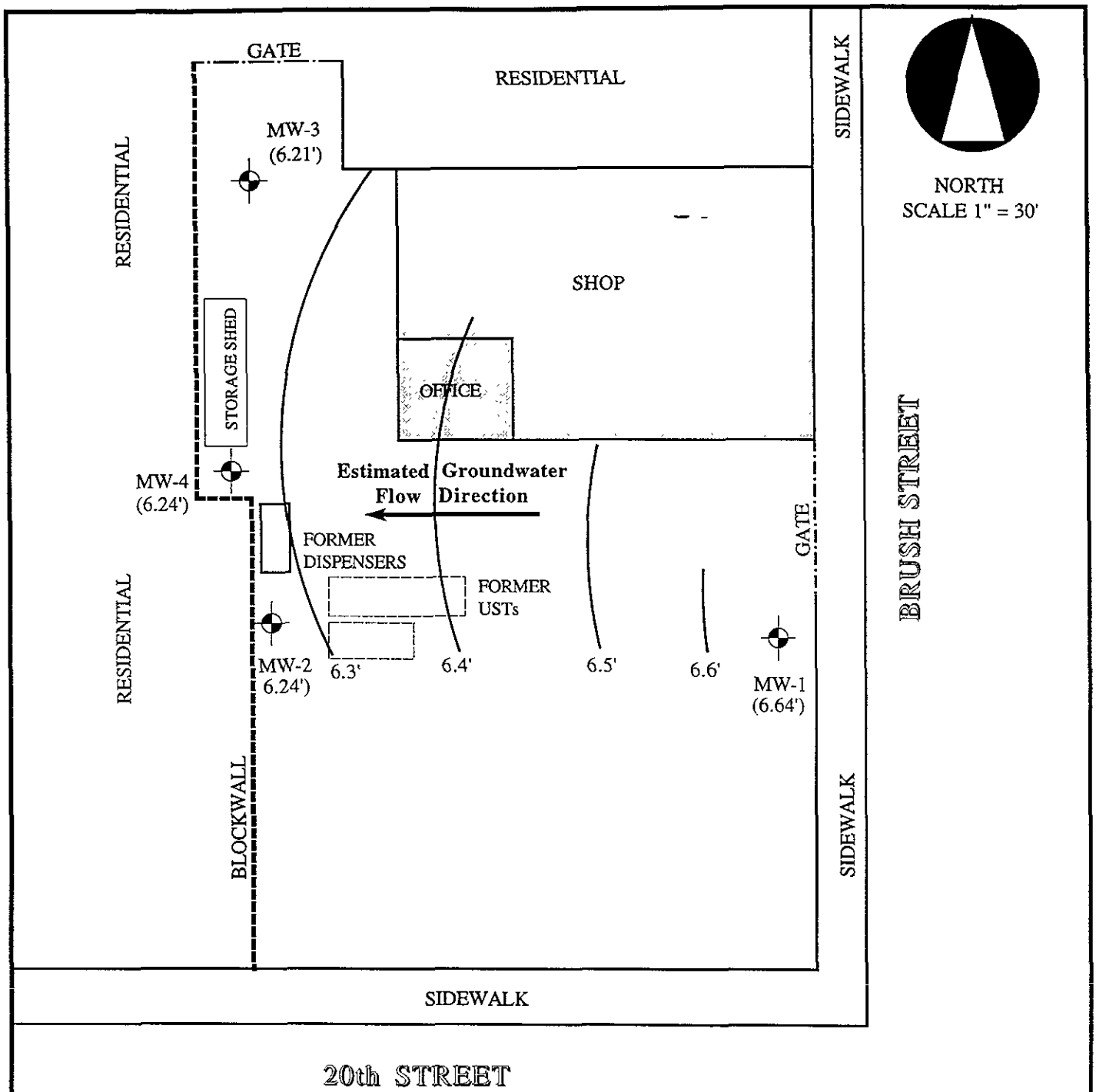
N



SITE LOCATION MAP

Former Peerless Stages, Inc. Property
2021 Brush Street
Oakland, California

Aqua Science Engineers | Figure 1



LEGEND	
MW-4 ⊕	MONITORING WELL
(6.24')	GROUNDWATER ELEVATION RELATIVE TO PROJECT DATUM
6.6'	GROUNDWATER ELEVATION CONTOUR
▭	FORMER UST LOCATION

GROUNDWATER ELEVATION CONTOUR MAP
2/16/00

Former Peerless Stages, Inc. Property
2021 Brush Street
Oakland, California

AQUA SCIENCE ENGINEERS | Figure 2

21th STREET

NORTH
SCALE 1" = 30'

SIDEWALK

SIDEWALK

SIDEWALK

SIDEWALK

WEST STREET

BRUSH STREET

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

GATE

MW-3

STORAGE SHED

SHOP

OFFICE

MW-4

FORMER
DISPENSERS

FORMER
USTs

MW-2

MW-1

GATE

BLOCKWALL

SIDEWALK

SIDEWALK

SIDEWALK

20th STREET

LEGEND

MW-4 MONITORING WELL

FORMER UST LOCATION

SITE VICINITY MAP

Former Peerless Stages, Inc. Property
2021 Brush Street
Oakland, California

AQUA SCIENCE ENGINEERS | Figure 3

APPENDIX A

Well Sampling Field Logs

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WELL SAMPLING FIELD LOG

Project Name and Address: Peerless
Job #: 3190 Date of sampling: 2/16/00
Well Name: MW-1 Sampled by: ITR
Total depth of well (feet): 27.0' Well diameter (inches): 2"
Depth to water before sampling (feet): 13.02'
Thickness of floating product if any: —
Depth of well casing in water (feet): 12.98
Number of gallons per well casing volume (gallons): 2.2
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 8.8
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1050 Time Evacuation Finished: 1100
Approximate volume of groundwater purged: 8.8
Did the well go dry?: NO After how many gallons:
Time samples were collected: 1105
Depth to water at time of sampling: 14.17
Percent recovery at time of sampling: 99%
Samples collected with: dedicated bailer
Sample color: brown/clear Odor: None
Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	71.6	6.71	613
2	70.3	6.42	720
3	71.4	6.37	810
4	70.6	6.91	874

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-1	3	40ml VOA	✓	✓	
	3	1-liter Amber		✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Pearless
Job #: 3190 Date of sampling: 2/16/00
Well Name: MW-2 Sampled by: ITR
Total depth of well (feet): 30.0' Well diameter (inches): 2"
Depth to water before sampling (feet): 13.76'
Thickness of floating product if any: None
Depth of well casing in water (feet): 16.24
Number of gallons per well casing volume (gallons): 2.7
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 10.8
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1116 Time Evacuation Finished: 1150
Approximate volume of groundwater purged: 11
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1135
Depth to water at time of sampling: 13.78'
Percent recovery at time of sampling: 99%
Samples collected with: dedicated bailer
Sample color: brown/ clear Odor: None
Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	71.7	7.13	1100
2	72.3	7.47	1210
3	71.9	6.12	1170
4	71.4	7.41	1161

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-2	6	40ml VOA	✓	✓	
MW-2	3	1-liter Amb.		✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Peerless
Job #: 3190 Date of sampling: 2/16/00
Well Name: MW-3 Sampled by: ITR
Total depth of well (feet): 29.60' Well diameter (inches): 2"
Depth to water before sampling (feet): 12.70'
Thickness of floating product if any: —
Depth of well casing in water (feet): 16.90
Number of gallons per well casing volume (gallons): 2.9 L
Number of well casing volumes to be removed: 1 1/4
Req'd volume of groundwater to be purged before sampling (gallons): 11.5
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1145 Time Evacuation Finished: 1260
Approximate volume of groundwater purged: 11.5
Did the well go dry?: NO After how many gallons: -
Time samples were collected: 1205
Depth to water at time of sampling: 12.78'
Percent recovery at time of sampling: 99%
Samples collected with: dedicated bailer
Sample color: brown/clear Odor: None
Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1/2	69.8	7.17	610
3/4	73.4	6.91	674
1	93.6	6.83	731
	93.1	7.10	702

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-3	3	40ml VOA	✓	✓	
MW-3	3	40ml VOA		✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Peerless
Job #: 3190 Date of sampling: 2/10/00
Well Name: MW-4 Sampled by: JTP
Total depth of well (feet): 29.64 Well diameter (inches): 2"
Depth to water before sampling (feet): 13.19
Thickness of floating product if any: —
Depth of well casing in water (feet): 16.45
Number of gallons per well casing volume (gallons): 2.8
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 11.2
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1030 Time Evacuation Finished: 1040
Approximate volume of groundwater purged: 11.2
Did the well go dry?: NO After how many gallons: -
Time samples were collected: 1045
Depth to water at time of sampling: 13.27'
Percent recovery at time of sampling: 96%
Samples collected with: dedicated bailer
Sample color: brown/clear Odor: None
Description of sediment in sample: Silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity *
1	21.4	6.63	613
2	21.8	6.21	241
3	22.2	5.99	691
4	21.0	6.41	652

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	3	40ml VOA	✓	✓	
MW-4	3	1-Lite Amber		✓	

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 2000-02-0333
Date: March 1, 2000

Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526

Attn.: Mr. Ian T. Reed

Project: 3190
PEERLESS STAGES BUS PROPERTY

Dear Mr. Reed,

Attached is our report for your samples received on Thursday February 17, 2000
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 March 18, 2000 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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

Volatile Organic Compounds

Aqua Science Engineers, Inc.	✉ 208 West El Pintado Road Danville, CA 94526
Attn: Ian T. Reed	Phone: (925) 820-9391 Fax: (925) 837-4853
Project #: 3190	Project: PEERLESS STAGES BUS PROPERTY

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	02/16/2000 11:35	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds

Sample ID: **MW-2**
Project: 3190
PEERLESS STAGES BUS PROPERTY
Sampled: 02/16/2000 11:35
Matrix: Water
Sample/Analysis Flag Irn (See Legend & Note section)

Lab Sample ID: **2000-02-0333-004**
Received: 02/17/2000 17:40
Extracted: 02/18/2000 20:37
QC-Batch: 2000/02/18-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	1000	ug/L	20.00	02/18/2000 20:37	
Benzene	ND	10	ug/L	20.00	02/18/2000 20:37	
Bromodichloromethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Bromoform	ND	10	ug/L	20.00	02/18/2000 20:37	
Bromomethane	ND	20	ug/L	20.00	02/18/2000 20:37	
Carbon tetrachloride	ND	10	ug/L	20.00	02/18/2000 20:37	
Chlorobenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
Chloroethane	ND	20	ug/L	20.00	02/18/2000 20:37	
2-Butanone(MEK)	ND	1000	ug/L	20.00	02/18/2000 20:37	
2-Chloroethylvinyl ether	ND	10	ug/L	20.00	02/18/2000 20:37	
Chloroform	ND	10	ug/L	20.00	02/18/2000 20:37	
Chloromethane	ND	20	ug/L	20.00	02/18/2000 20:37	
Dibromochloromethane	ND	10	ug/L	20.00	02/18/2000 20:37	
1,2-Dichlorobenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
1,3-Dichlorobenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
1,4-Dichlorobenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
1,2-Dibromo-3-chloropropane	ND	100	ug/L	20.00	02/18/2000 20:37	
1,2-Dibromoethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Dibromomethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Dichlorodifluoromethane	ND	10	ug/L	20.00	02/18/2000 20:37	
1,1-Dichloroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
1,2-Dichloroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
1,1-Dichloroethene	ND	10	ug/L	20.00	02/18/2000 20:37	
cis-1,2-Dichloroethene	ND	10	ug/L	20.00	02/18/2000 20:37	
trans-1,2-Dichloroethene	ND	10	ug/L	20.00	02/18/2000 20:37	
1,2-Dichloropropane	ND	10	ug/L	20.00	02/18/2000 20:37	
cis-1,3-Dichloropropene	ND	10	ug/L	20.00	02/18/2000 20:37	
trans-1,3-Dichloropropene	ND	10	ug/L	20.00	02/18/2000 20:37	
Ethylbenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
2-Hexanone	ND	1000	ug/L	20.00	02/18/2000 20:37	
Methylene chloride	ND	100	ug/L	20.00	02/18/2000 20:37	
4-Methyl-2-pentanone (MIBK)	ND	1000	ug/L	20.00	02/18/2000 20:37	
Naphthalene	ND	20	ug/L	20.00	02/18/2000 20:37	
Styrene	ND	10	ug/L	20.00	02/18/2000 20:37	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds

Sample ID: **MW-2**
Lab Sample ID: **2000-02-0333-004**

Project: 3190
PEERLESS STAGES BUS PROPERTY

Received: 02/17/2000 17:40

Extracted: 02/18/2000 20:37

Sampled: 02/16/2000 11:35
QC-Batch: 2000/02/18-01.09

Matrix: Water

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,1,2,2-Tetrachloroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Tetrachloroethene	ND	10	ug/L	20.00	02/18/2000 20:37	
Toluene	ND	10	ug/L	20.00	02/18/2000 20:37	
1,1,1-Trichloroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
1,1,2-Trichloroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Trichloroethene	ND	10	ug/L	20.00	02/18/2000 20:37	
1,1,1,2-Tetrachloroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Vinyl acetate	ND	100	ug/L	20.00	02/18/2000 20:37	
Vinyl chloride	ND	10	ug/L	20.00	02/18/2000 20:37	
Total xylenes	ND	20	ug/L	20.00	02/18/2000 20:37	
Trichlorotrifluoroethane	ND	10	ug/L	20.00	02/18/2000 20:37	
Carbon disulfide	ND	20	ug/L	20.00	02/18/2000 20:37	
Isopropylbenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
Bromobenzene	ND	10	ug/L	20.00	02/18/2000 20:37	
Bromochloromethane	ND	20	ug/L	20.00	02/18/2000 20:37	
Trichlorofluoromethane	ND	40	ug/L	20.00	02/18/2000 20:37	
Surrogate(s)						
4-Bromofluorobenzene	107.2	86-115	%	1.00	02/18/2000 20:37	
1,2-Dichloroethane-d4	88.8	76-114	%	1.00	02/18/2000 20:37	
Toluene-d8	97.5	88-110	%	1.00	02/18/2000 20:37	

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/02/18-01.09**

MB: 2000/02/18-01.09-001 | Date Extracted: 02/18/2000 13:35

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	02/18/2000 13:35	
Benzene	ND	0.5	ug/L	02/18/2000 13:35	
Bromodichloromethane	ND	0.5	ug/L	02/18/2000 13:35	
Bromoform	ND	0.5	ug/L	02/18/2000 13:35	
Bromomethane	ND	1.0	ug/L	02/18/2000 13:35	
Carbon tetrachloride	ND	0.5	ug/L	02/18/2000 13:35	
Chlorobenzene	ND	0.5	ug/L	02/18/2000 13:35	
Chloroethane	ND	1.0	ug/L	02/18/2000 13:35	
2-Butanone(MEK)	ND	50	ug/L	02/18/2000 13:35	
2-Chloroethylvinyl ether	ND	0.5	ug/L	02/18/2000 13:35	
Chloroform	ND	0.5	ug/L	02/18/2000 13:35	
Chloromethane	ND	1.0	ug/L	02/18/2000 13:35	
Dibromochloromethane	ND	0.5	ug/L	02/18/2000 13:35	
1,2-Dichlorobenzene	ND	0.5	ug/L	02/18/2000 13:35	
1,3-Dichlorobenzene	ND	0.5	ug/L	02/18/2000 13:35	
1,4-Dichlorobenzene	ND	0.5	ug/L	02/18/2000 13:35	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	02/18/2000 13:35	
1,2-Dibromoethane	ND	0.5	ug/L	02/18/2000 13:35	
Dibromomethane	ND	0.5	ug/L	02/18/2000 13:35	
Dichlorodifluoromethane	ND	0.5	ug/L	02/18/2000 13:35	
1,1-Dichloroethane	ND	0.5	ug/L	02/18/2000 13:35	
1,2-Dichloroethane	ND	0.5	ug/L	02/18/2000 13:35	
1,1-Dichloroethene	ND	0.5	ug/L	02/18/2000 13:35	
cis-1,2-Dichloroethene	ND	0.5	ug/L	02/18/2000 13:35	
trans-1,2-Dichloroethene	ND	0.5	ug/L	02/18/2000 13:35	
1,2-Dichloropropane	ND	0.5	ug/L	02/18/2000 13:35	
cis-1,3-Dichloropropene	ND	0.5	ug/L	02/18/2000 13:35	
trans-1,3-Dichloropropene	ND	0.5	ug/L	02/18/2000 13:35	
Ethylbenzene	ND	0.5	ug/L	02/18/2000 13:35	
2-Hexanone	ND	50	ug/L	02/18/2000 13:35	
Methylene chloride	ND	5.0	ug/L	02/18/2000 13:35	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	02/18/2000 13:35	
Naphthalene	ND	1.0	ug/L	02/18/2000 13:35	
Styrene	ND	0.5	ug/L	02/18/2000 13:35	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	02/18/2000 13:35	
Tetrachloroethene	ND	0.5	ug/L	02/18/2000 13:35	
Toluene	ND	0.5	ug/L	02/18/2000 13:35	
1,1,1-Trichloroethane	ND	0.5	ug/L	02/18/2000 13:35	
1,1,2-Trichloroethane	ND	0.5	ug/L	02/18/2000 13:35	
Trichloroethene	ND	0.5	ug/L	02/18/2000 13:35	

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/02/18-01.09**

MB: 2000/02/18-01.09-001 | Date Extracted: 02/18/2000 13:35

Compound	Result	Rep.Limit	Units	Analyzed	Flag
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	02/18/2000 13:35	
Vinyl acetate	ND	5.0	ug/L	02/18/2000 13:35	
Vinyl chloride	ND	0.5	ug/L	02/18/2000 13:35	
Total xylenes	ND	1.0	ug/L	02/18/2000 13:35	
Trichlorotrifluoroethane	ND	0.5	ug/L	02/18/2000 13:35	
Carbon disulfide	ND	1.0	ug/L	02/18/2000 13:35	
Isopropylbenzene	ND	0.5	ug/L	02/18/2000 13:35	
Bromobenzene	ND	0.5	ug/L	02/18/2000 13:35	
Bromochloromethane	ND	1.0	ug/L	02/18/2000 13:35	
Trichlorofluoromethane	ND	2.0	ug/L	02/18/2000 13:35	
Surrogate(s)					
4-Bromofluorobenzene	107.2	86-115	%	02/18/2000 13:35	
1,2-Dichloroethane-d4	90.8	76-114	%	02/18/2000 13:35	
Toluene-d8	95.0	88-110	%	02/18/2000 13:35	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn: Ian T. Reed

Test Method: 8260A

Prep Method: 5030

Batch QC Report

Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/02/18-01.09**

LCS: 2000/02/18-01.09-002 Extracted: 02/18/2000 12:10 Analyzed 02/18/2000 12:10

LCSD: 2000/02/18-01.09-003 Extracted: 02/18/2000 12:57 Analyzed 02/18/2000 12:57

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	48.9	47.7	50.0	50.0	97.8	95.4	2.5	69-129	20		
Chlorobenzene	57.0	59.0	50.0	50.0	114.0	118.0	3.4	61-121	20		
1,1-Dichloroethene	46.7	47.3	50.0	50.0	93.4	94.6	1.3	65-125	20		
Toluene	48.6	46.7	50.0	50.0	97.2	93.4	4.0	70-130	20		
Trichloroethene	44.6	42.7	50.0	50.0	89.2	85.4	4.4	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	524	523	500	500	104.8	104.6		86-115			
1,2-Dichloroethane-d4	426	434	500	500	85.2	86.8		76-114			
Toluene-d8	484	468	500	500	96.8	93.6		88-110			

To: **Aqua Science Engineers, Inc.**
Attn:Ian T. Reed

Test Method: 8260A
Prep Method: 5030

Legend & Notes

Volatile Organic Compounds

Analysis Flags

lrn

Reporting limits raised due to high level of non-target analyte materials.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

Diesel

Aqua Science Engineers, Inc.	✉ 208 West El Pintado Road Danville, CA 94526
Attn: Ian T. Reed	Phone: (925) 820-9391 Fax: (925) 837-4853
Project #: 3190	Project: PEERLESS STAGES BUS PROPERTY

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/16/2000 11:05	1
MW-3	Water	02/16/2000 12:05	2
MW-4	Water	02/16/2000 10:45	3
MW-2	Water	02/16/2000 11:35	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**MW-1**	Lab Sample ID:	**2000-02-0333-001**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/23/2000 09:00
Sampled:	02/16/2000 11:05	QC-Batch:	2000/02/23-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/23/2000 17:15	
Surrogate(s)						
o-Terphenyl	100.9	60-130	%	1.00	02/23/2000 17:15	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**MW-3**	Lab Sample ID:	**2000-02-0333-002**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/23/2000 09:00
Sampled:	02/16/2000 12:05	QC-Batch:	2000/02/23-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/23/2000 18:02	
Surrogate(s)						
o-Terphenyl	99.6	60-130	%	1.00	02/23/2000 18:02	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**MW-4**	Lab Sample ID:	**2000-02-0333-003**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/23/2000 09:00
Sampled:	02/16/2000 10:45	QC-Batch:	2000/02/23-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	76	50	ug/L	1.00	02/23/2000 18:49	ndp
Surrogate(s)						
o-Terphenyl	94.0	60-130	%	1.00	02/23/2000 18:49	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8015m
Prep Method: 3510/8015M

Diesel

Sample ID:	**MW-2**	Lab Sample ID:	**2000-02-0333-004**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/23/2000 09:00
Sampled:	02/16/2000 11:35	QC-Batch:	2000/02/23-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1500	50	ug/L	1.00	02/23/2000 19:36	ndp
Surrogate(s)						
o-Terphenyl	91.9	60-130	%	1.00	02/23/2000 19:36	

To: **Aqua Science Engineers, Inc.**
Attn.: Ian T. Reed

Test Method: 8015m
Prep Method: 3510/8015M

Batch QC Report
Diesel

Method Blank | **Water** | **QC Batch # 2000/02/23-02.10**

MB: 2000/02/23-02.10-001 | Date Extracted: 02/23/2000 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	02/23/2000 12:23	
Surrogate(s)					
o-Terphenyl	83.0	60-130	%	02/23/2000 12:23	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn: Ian T. Reed

Test Method: 8015m

Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/02/23-02.10**

LCS: 2000/02/23-02.10-002 Extracted: 02/23/2000 09:00 Analyzed 02/23/2000 13:20

LCSD: 2000/02/23-02.10-003 Extracted: 02/23/2000 09:00 Analyzed 02/23/2000 14:08

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1090	1010	1250	1250	87.2	80.8	7.6	60-130	25		
Surrogate(s)											
o-Terphenyl	24.0	19.1	20.0	20.0	120.0	95.5		60-130			

To: **Aqua Science Engineers, Inc.**
Attn:Ian T. Reed

Test Method: 8015m
Prep Method: 3510/8015M

Legend & Notes

Diesel

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

Gas/BTEX and MTBE

Aqua Science Engineers, Inc.

208 West El Pintado Road
Danville, CA 94526

Attn: Ian T. Reed

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

Project #: 3190

Project: PEERLESS STAGES BUS PROPERTY

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/16/2000 11:05	1
MW-3	Water	02/16/2000 12:05	2
MW-4	Water	02/16/2000 10:45	3
MW-2	Water	02/16/2000 11:35	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-1**	Lab Sample ID:	**2000-02-0333-001**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/18/2000 12:20
Sampled:	02/16/2000 11:05	QC-Batch:	2000/02/18-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/18/2000 12:20	
Benzene	ND	0.50	ug/L	1.00	02/18/2000 12:20	
Toluene	ND	0.50	ug/L	1.00	02/18/2000 12:20	
Ethyl benzene	ND	0.50	ug/L	1.00	02/18/2000 12:20	
Xylene(s)	ND	0.50	ug/L	1.00	02/18/2000 12:20	
MTBE	ND	5.0	ug/L	1.00	02/18/2000 12:20	
Surrogate(s)						
Trifluorotoluene	76.5	58-124	%	1.00	02/18/2000 12:20	
4-Bromofluorobenzene-FID	72.6	50-150	%	1.00	02/18/2000 12:20	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-3**	Lab Sample ID:	**2000-02-0333-002**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/18/2000 13:25
Sampled:	02/16/2000 12:05	QC-Batch:	2000/02/18-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/18/2000 13:25	
Benzene	ND	0.50	ug/L	1.00	02/18/2000 13:25	
Toluene	ND	0.50	ug/L	1.00	02/18/2000 13:25	
Ethyl benzene	ND	0.50	ug/L	1.00	02/18/2000 13:25	
Xylene(s)	ND	0.50	ug/L	1.00	02/18/2000 13:25	
MTBE	ND	5.0	ug/L	1.00	02/18/2000 13:25	
Surrogate(s)						
Trifluorotoluene	70.1	58-124	%	1.00	02/18/2000 13:25	
4-Bromofluorobenzene-FID	67.4	50-150	%	1.00	02/18/2000 13:25	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-4**	Lab Sample ID:	**2000-02-0333-003**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/18/2000 12:52
Sampled:	02/16/2000 10:45	QC-Batch:	2000/02/18-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/18/2000 12:52	
Benzene	ND	0.50	ug/L	1.00	02/18/2000 12:52	
Toluene	ND	0.50	ug/L	1.00	02/18/2000 12:52	
Ethyl benzene	ND	0.50	ug/L	1.00	02/18/2000 12:52	
Xylene(s)	ND	0.50	ug/L	1.00	02/18/2000 12:52	
MTBE	ND	5.0	ug/L	1.00	02/18/2000 12:52	
Surrogate(s)						
Trifluorotoluene	98.0	58-124	%	1.00	02/18/2000 12:52	
4-Bromofluorobenzene-FID	90.8	50-150	%	1.00	02/18/2000 12:52	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-2**	Lab Sample ID:	**2000-02-0333-004**
Project:	3190 PEERLESS STAGES BUS PROPERTY	Received:	02/17/2000 17:40
		Extracted:	02/18/2000 18:12
Sampled:	02/16/2000 11:35	QC-Batch:	2000/02/18-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/18/2000 18:12	
Benzene	ND	0.50	ug/L	1.00	02/18/2000 18:12	
Toluene	ND	0.50	ug/L	1.00	02/18/2000 18:12	
Ethyl benzene	ND	0.50	ug/L	1.00	02/18/2000 18:12	
Xylene(s)	ND	0.50	ug/L	1.00	02/18/2000 18:12	
MTBE	3800	100	ug/L	20.00	02/22/2000 19:56	
Surrogate(s)						
Trifluorotoluene	88.3	58-124	%	1.00	02/18/2000 18:12	
4-Bromofluorobenzene-FID	88.4	50-150	%	1.00	02/18/2000 18:12	

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2000/02/18-01.03**

MB: 2000/02/18-01.03-001

Date Extracted: 02/18/2000 05:55

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	02/18/2000 05:55	
Benzene	ND	0.5	ug/L	02/18/2000 05:55	
Toluene	ND	0.5	ug/L	02/18/2000 05:55	
Ethyl benzene	ND	0.5	ug/L	02/18/2000 05:55	
Xylene(s)	ND	0.5	ug/L	02/18/2000 05:55	
MTBE	ND	5.0	ug/L	02/18/2000 05:55	
Surrogate(s)					
Trifluorotoluene	92.0	58-124	%	02/18/2000 05:55	
4-Bromofluorobenzene-FID	80.0	50-150	%	02/18/2000 05:55	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Method Blank	**Water**	**QC Batch # 2000/02/18-01.01**
MB: 2000/02/18-01.01-001		Date Extracted: 02/18/2000 07:14

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	02/18/2000 07:14	
Benzene	ND	0.5	ug/L	02/18/2000 07:14	
Toluene	ND	0.5	ug/L	02/18/2000 07:14	
Ethyl benzene	ND	0.5	ug/L	02/18/2000 07:14	
Xylene(s)	ND	0.5	ug/L	02/18/2000 07:14	
MTBE	ND	5.0	ug/L	02/18/2000 07:14	
Surrogate(s)					
Trifluorotoluene	97.8	58-124	%	02/18/2000 07:14	
4-Bromofluorobenzene-FID	88.8	50-150	%	02/18/2000 07:14	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2000/02/22-01.01**

MB: 2000/02/22-01.01-001

Date Extracted: 02/22/2000 08:14

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	02/22/2000 08:14	
Benzene	ND	0.5	ug/L	02/22/2000 08:14	
Toluene	ND	0.5	ug/L	02/22/2000 08:14	
Ethyl benzene	ND	0.5	ug/L	02/22/2000 08:14	
Xylene(s)	ND	0.5	ug/L	02/22/2000 08:14	
MTBE	ND	5.0	ug/L	02/22/2000 08:14	
Surrogate(s)					
Trifluorotoluene	95.6	58-124	%	02/22/2000 08:14	
4-Bromofluorobenzene-FID	91.4	50-150	%	02/22/2000 08:14	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/02/18-01.03**

LCS: 2000/02/18-01.03-002 Extracted: 02/18/2000 06:28 Analyzed 02/18/2000 06:28

LCSD: 2000/02/18-01.03-003 Extracted: 02/18/2000 07:00 Analyzed 02/18/2000 07:00

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	404	462	500	500	80.8	92.4	13.4	75-125	20		
Benzene	84.9	82.5	100.0	100.0	84.9	82.5	2.9	77-123	20		
Toluene	84.3	83.0	100.0	100 0	84.3	83.0	1.6	78-122	20		
Ethyl benzene	81.7	81.6	100.0	100.0	81.7	81.6	0.1	70-130	20		
Xylene(s)	241	243	300	300	80.3	81.0	0.9	75-125	20		
Surrogate(s)											
Trifluorotoluene	418	403	500	500	83.6	80.6		58-124			
4-Bromofluorobenzene-FI	379	390	500	500	75.8	78.0		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/02/18-01.01**

LCS: 2000/02/18-01.01-002 Extracted: 02/18/2000 08:47 Analyzed 02/18/2000 08:47

LCSD: 2000/02/18-01.01-003 Extracted: 02/18/2000 09:22 Analyzed 02/18/2000 09:22

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	475	515	500	500	95 0	103.0	8.1	75-125	20		
Benzene	90.4	89.7	100.0	100.0	90.4	89.7	0.8	77-123	20		
Toluene	86.6	86.7	100.0	100.0	86.6	86.7	0.1	78-122	20		
Ethyl benzene	84.7	84.9	100.0	100.0	84.7	84.9	0.2	70-130	20		
Xylene(s)	259	260	300	300	86.3	86.7	0.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	421	415	500	500	84.2	83.0		58-124			
4-Bromofluorobenzene-FI	439	458	500	500	87.8	91.6		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/02/22-01.01**

LCS: 2000/02/22-01.01-002 Extracted: 02/22/2000 09:15 Analyzed 02/22/2000 09:15

LCSD: 2000/02/22-01.01-003 Extracted: 02/22/2000 09:50 Analyzed 02/22/2000 09:50

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	493	528	500	500	98.6	105.6	6.9	75-125	20		
Benzene	92.9	90.1	100.0	100.0	92.9	90.1	3.1	77-123	20		
Toluene	89.7	87.3	100.0	100.0	89.7	87.3	2.7	78-122	20		
Ethyl benzene	88.8	86.8	100.0	100.0	88.8	86.8	2.3	70-130	20		
Xylene(s)	271	263	300	300	90.3	87.7	2.9	75-125	20		
Surrogate(s)											
Trifluorotoluene	426	415	500	500	85.2	83.0		58-124			
4-Bromofluorobenzene-FI	456	464	500	500	91.2	92.8		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-02-0333

To: **Aqua Science Engineers, Inc.**

Attn.: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Matrix Spike (MS / MSD) **Water** **QC Batch # 2000/02/18-01.03**

Sample ID: **MW-1** Lab Sample ID: 2000-02-0333-001

MS: 2000/02/18-01.03-004 Extracted: 02/18/2000 15:43 Analyzed: 02/18/2000 15:43 Dilution: 1.0

MSD: 2000/02/18-01.03-005 Extracted: 02/18/2000 15:13 Analyzed: 02/18/2000 15:13 Dilution: 1.0

Compound	Conc. [ug/L]			Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Benzene	73.9	80.5	ND	100.0	100.0	73.9	80.5	8.5	65-135	20		
Toluene	75.0	80.5	ND	100.0	100.0	75.0	80.5	7.1	65-135	20		
Ethyl benzene	74.1	77.1	ND	100.0	100.0	74 1	77.1	4.0	65-135	20		
Xylene(s)	223	230	ND	300	300	74.3	76.7	3.2	65-135	20		
Surrogate(s)												
Trifluorotoluene	383	412		500	500	76.6	82 4		58-124			

2000-02-0333

505765

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) Ian T Reed (PHONE NO.) (925) 820-9

PROJECT NAME Peerless Stages Bus Property JOB NO. 3190

ADDRESS 2021 Bush Street Oakland CA DATE 2/17/00

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS

5-day TAT

SAMPLE ID	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-GASOLINE (EPA 5030/8015)	TPH-DIESEL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	PURGEABLE AROMATICS (EPA 602/8020)	VOLATILE ORGANICS (EPA 624/8240)	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)	ORGANOCHLORINE HERBICIDES (EPA 8150)	FUEL OXYGENATES (EPA 8260)	VOC 8260			COMPOSITE
MW-1	2/16/00	1165	water	6	X		X															
MW-2	↓	1135	↓	8	X		X												X			
MW-3		1205		6	X		X															
MW-4		1045		6	X		X															
																			1			

RELINQUISHED BY: Ian T Reed 0910
(signature) (time)
Ian T Reed 2/17/00
(printed name) (date)
Company- ASE

RECEIVED BY: [signature] (time) 0940
(signature) (time)
[signature] 2/17/00
(printed name) (date)
Company-

RELINQUISHED BY: [signature] (time) 1716
(signature) (time)
B Morrow
(printed name) (date) 2/17/00
Company- Chromalab

RECEIVED BY LABORATORY: Chris Rowley 1940
(signature) (time)
CROWLEY 02/17/00
(printed name) (date)
Company- Chromalab

COMMENTS: