aqua science engineers inc.

September 22, 1999

QUARTERLY GROUNDWATER MONITORING REPORT
AUGUST 16, 1999 GROUNDWATER SAMPLING
ASE JOB NO. 3540

at
Oakland Truck Stop
8255 San Leandro Street
Oakland, California

Prepared for:
Mr. Nissan Saidian
5733 Medallion Court
Castro Valley, CA 94522

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

1.0 INTRODUCTION

Site Location (Site), See Figure 1
Oakland Truck Stop
8255 San Leandro Street
Oakland, California

Responsible Party
Mr. Nissan Saidian
5733 Medallion Court
Castro Valley, CA 94522

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
208 West El Pintado
Danville, CA 94583
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

Agency Review
Mr. Barney Chan
Alameda County Health Care Services Agency (ACHCSA)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Mr. Chuck Headlee
California Regional Water Quality Control Board (RWQCB)
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

The following is a report detailing the methods and findings of the August 16, 1999 quarterly groundwater sampling at the above-referenced site. This sampling was conducted as required by the ACHCSA and RWQCB. ASE has prepared this report on behalf of Mr. Nissan Saidian.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On August 16, 1999, ASE associate geologist Ian Reed measured the depth to water in each site groundwater 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 with a 1-foot long product thickness bailer. Monitoring well MW-1 contained over 1-foot of brown free-floating hydrocarbons believed to be diesel. No free-floating hydrocarbons or sheen were observed in any of the remaining site monitoring wells. Groundwater elevation data is presented as Table One.

Due to the presence of free-floating hydrocarbons, ASE returned to the site on August 27 and September 10, 1999 to measure the thickness of the free-floating hydrocarbons and then remove as much of the free-floating hydrocarbons as possible by bailing. On these dates, the free-floating hydrocarbon thickness was measured with an oil/water interface probe as well as a product thickness bailer. On August 27, 1999, monitoring well MW-1 contained 0.36-feet of free-floating hydrocarbons. On September 10, 1999, monitoring well MW-1 contained 0.18-feet of free-floating hydrocarbons.

TABLE ONE
Groundwater Elevation Data

Well I.D.	Top of Casing Elevation (msl)	Depth to Water Measurement (feet)	Free-Floating Hydrocarbon Thickness (feet)	Groundwater Elevation (msl)
MW-1				
8-16-99	97.12	Unknown	> 1.00	Unknown
8-27-99		6.90	0.36	90.51*
9-10-99		6.85	0.18	90.41*
MW-2				
8-16-99	96.82	6.30	--	90.52
MW-3				
8-16-99	96.43	5.85	--	90.58
MW-4				
8-16-99	96.60	6.12	--	90.48

Notes:
* = Groundwater elevation adjusted for the presence of free-floating hydrocarbons by the equation: Adjusted groundwater elevation = Top of casing elevation – depth to groundwater + (0.8 x free-floating hydrocarbon thickness)

A groundwater potentiometric surface map for August 16, 1999 is presented as Figure 2. The groundwater flow direction is to the west-southwest with a gradient of approximately 0.0013-feet/foot. Penn Environmental previously reported the groundwater flow direction to the south-southwest.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Prior to sampling, monitoring wells MW-2, MW-3 and MW-4 were purged of four well casing volumes of groundwater using dedicated polyethylene bailers. Petroleum hydrocarbon odors were present during the purging and sampling of all site groundwater monitoring wells. 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. Since free-floating hydrocarbons were present in monitoring well MW-1, monitoring well MW-1 was not sampled.

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 sealed without headspace. The samples to be analyzed for non-volatile compounds were contained in 1-liter amber glass containers. All of the samples were labeled and placed in coolers 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 from monitoring well MW-3 were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method 5030/8015M, total petroleum hydrocarbons as diesel (TPH-D) and motor oil (TPH-MO) by EPA Method 3550/8015M, 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 from monitoring wells MW-2 and MW-4 were analyzed for TPH-G by EPA Method 5030/8015M, TPH-D and TPH-MO by EPA Method 3550/8015M, volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, PCBs by EPA Method 8080 and cadmium, chromium, lead, nickel and zinc (the LUFT 5 metals) by EPA Method 3010A/6010A. The analytical

results are presented in Tables Two and Three. The certified analytical report and chain-of-custody documentation are included as Appendix B.

TABLE TWO

Summary of Chemical Analysis of **GROUNDWATER** Samples
Petroleum Hydrocarbons
All results are in **parts per billion**

Boring	TPH Gasoline	TPH Diesel	TPH Motor Oil	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
MW-1	Not Sampled Due to Free-Floating Hydrocarbons							
MW-2	**2,200**	**970***	< 500	**3.8**	< 2.0	**3.0**	< 4.0	< 20
MW-3	**56,000**	**10,000****	< 500	**17,000**	**2,600**	**2,600**	**1,200**	**6,100** (8020)
MW-4	**61*****	**1,100***	< 500	< 0.5	< 0.5	< 0.5	< 1.0	**86** (8240)
DHS MCL	NE	NE	NE	1.0	150	700	1,750	13

Notes:

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit.

Detectable concentrations are in **bold**.

DHS MCL is the California Department of Health Services maximum contaminant level for drinking water.

NE = DHS MCLs are not established.

* = Non-typical diesel pattern, hydrocarbons in early diesel range.
** = Estimated concentration due to overlapping fuel patterns in the sample.
*** = Non-typical gasoline pattern.

TABLE THREE
Summary of Chemical Analysis of **GROUNDWATER** Samples
HVOCs, SVOCs, PCBs and LUFT 5 Metals
All results are in **parts per billion**

Boring	Isoproyl-benzene	Other VOCs	SVOCs	PCBs	Cd	Cr	Pb	Ni	Zn
MW-2	**1 1**	ND	ND	ND	< 2.0	**9 . 0**	< 5.0	**1 9**	< 10
MW-4	< 0.5	ND	ND	ND	**2 . 7**	**4 5**	**2 6 0**	**5 5**	**3 2 0**
MCL	NE	Various	Various	0.5	5	50	15	100	5,000

Notes:
Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit or are indicated by ND if various detection limits are used for multiple compounds. Please see the original laboratory reports in Appendix C for detection limits for these compounds..

Detectable concentrations are in **bold.**

MCL is the California Department of Health Services maximum contaminant level for drinking water.

NE = Not established

4.0 CONCLUSIONS

Monitoring well MW-1 contain free-floating hydrocarbons believed to be diesel. The thickness of the free-floating hydrocarbons ranged from over 1-foot on August 16 to 0.18-feet on September 10, 1999.

Relatively high hydrocarbon concentrations were detected in groundwater samples collected from monitoring well MW-3. The benzene, toluene, ethylbenzene and MTBE concentrations in groundwater samples collected from this well exceeded California Department of Health Services (DHS) maximum contaminant levels (MCLs) for drinking water.

TPH-G and TPH-D were detected in groundwater samples collected from monitoring well MW-2 at 2,200 parts per billion (ppb) and 970 ppb, respectively. Relatively low concentrations of benzene, ethylbenzene and isoproylbenzene were detected in the groundwater samples collected from this monitoring well, with only the benzene concentration exceeding DHS MCLs for drinking water. No other VOCs, SVOCs or PCBs were

detected in groundwater samples collected from monitoring well MW-2, and no metals were detected in groundwater samples collected from this well at concentrations exceeding DHS MCLs for drinking water.

TPH-G and TPH-D were detected in groundwater samples collected from monitoring well MW-4 at 61ppb and 1,100 ppb, respectively. The only metal detected over DHS MCLs for drinking water was lead at 260 ppb. No other metal concentrations exceeded DHS MCLs for drinking water, and no VOCs, SVOCs or PCBs were detected in the groundwater samples collected from monitoring well MW-4.

The groundwater flow direction is to the west-southwest at a gradient of 0.0013-feet/foot. Penn Environmental previously reported the groundwater flow direction to the south-southwest. The extent of elevated hydrocarbon concentrations detected in monitoring wells MW-1 and MW-3 is relatively defined by the low hydrocarbon concentration detected in groundwater samples collected from monitoring wells MW-2 and MW-4. However, the extent of groundwater contamination is not defined south of boring B-8, previously drilled by Penn Environmental.

5.0 RECOMMENDATIONS

Based on the presence of free-floating hydrocarbons in monitoring well MW-1, ASE recommends that the thickness of these hydrocarbons be measured every two weeks and that all floating hydrocarbons that have accumulated over each two week period be removed by bailing. ASE has already begun this process and will continue for the next quarter or until no free-floating hydrocarbons accumulate for a one month period.

Based on the free-floating hydrocarbon concentrations in monitoring well MW-1 and the elevated hydrocarbon concentrations in monitoring well MW-3, ASE anticipates that additional soil and groundwater assessment activities will be required to further define the extent of soil and groundwater contamination beneath the site, particularly south of boring B-8, previously drilled by Penn Environmental.

Since no SVOCs or PCBs were detected in the groundwater samples during this sampling, ASE recommends that these analyses be removed during future sampling activities. In addition, since cadmium, chromium, nickel and zinc were not detected at concentrations above DHS MCLs for drinking water, ASE also recommends that these analyses be removed from future sampling activities. Since no EPA Method 8260 compounds, other than BTEX and MTBE, were detected in the groundwater samples

above DHS MCLs for drinking water, ASE recommends that this analysis be replaced with EPA Method 8020 for BTEX and MTBE during future sampling as a cost saving measure.

ASE recommends the subject site remain on a quarterly sampling schedule. Based on this schedule, the next sampling will take place in November 1999. ASE recommends that the groundwater samples from all four wells be analyzed for TPH-G by EPA Method 5030/8015M, TPH-D and TPH-MO by EPA Method 3510/8015M, and BTEX and MTBE by EPA Method 8020. The groundwater samples from monitoring well MW-4 should also be analyzed for dissolved lead by EPA Method 6010.

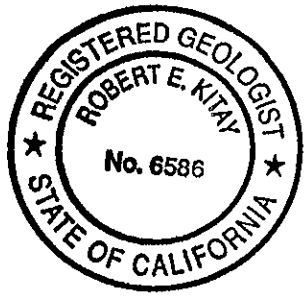
6.0 REPORT LIMITATIONS

The results of 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 project, 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.

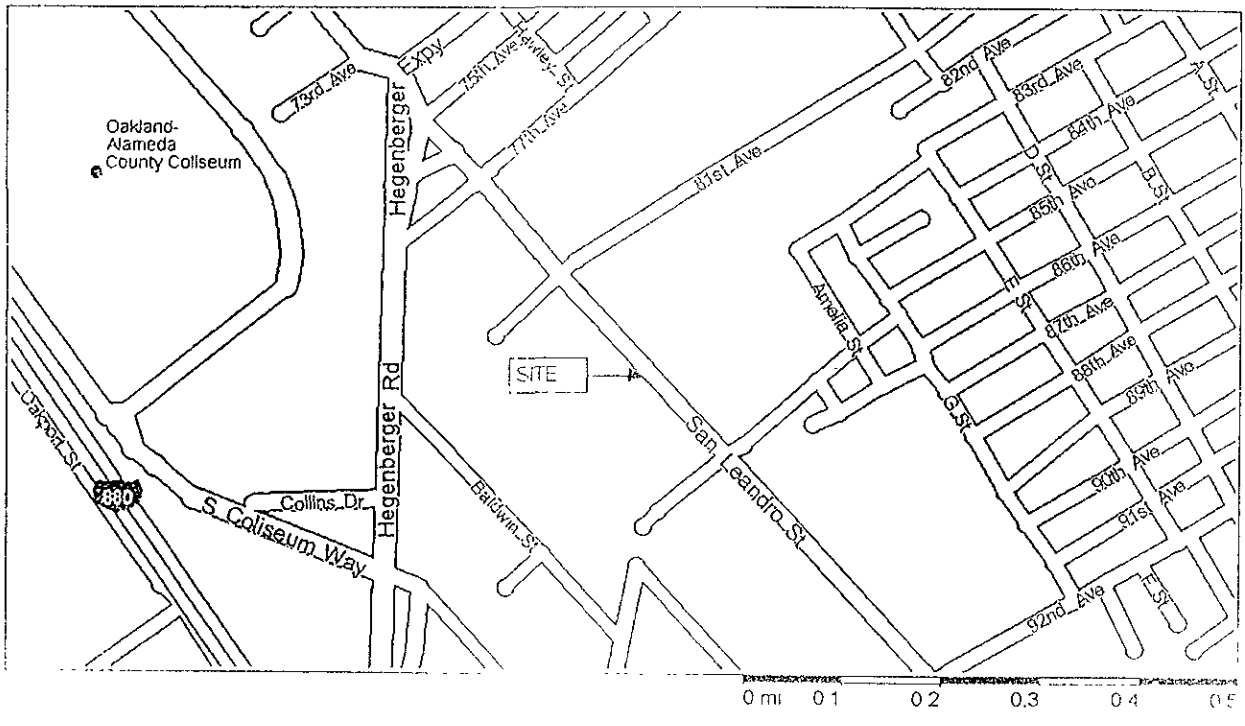


Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: Figures 1 and 2
Appendices A and B

cc: Mr. Nissan Saidian
Mr. Barney Chan, ACHCSA
Mr. Chuck Headlee, RWQCB, San Francisco Bay Region

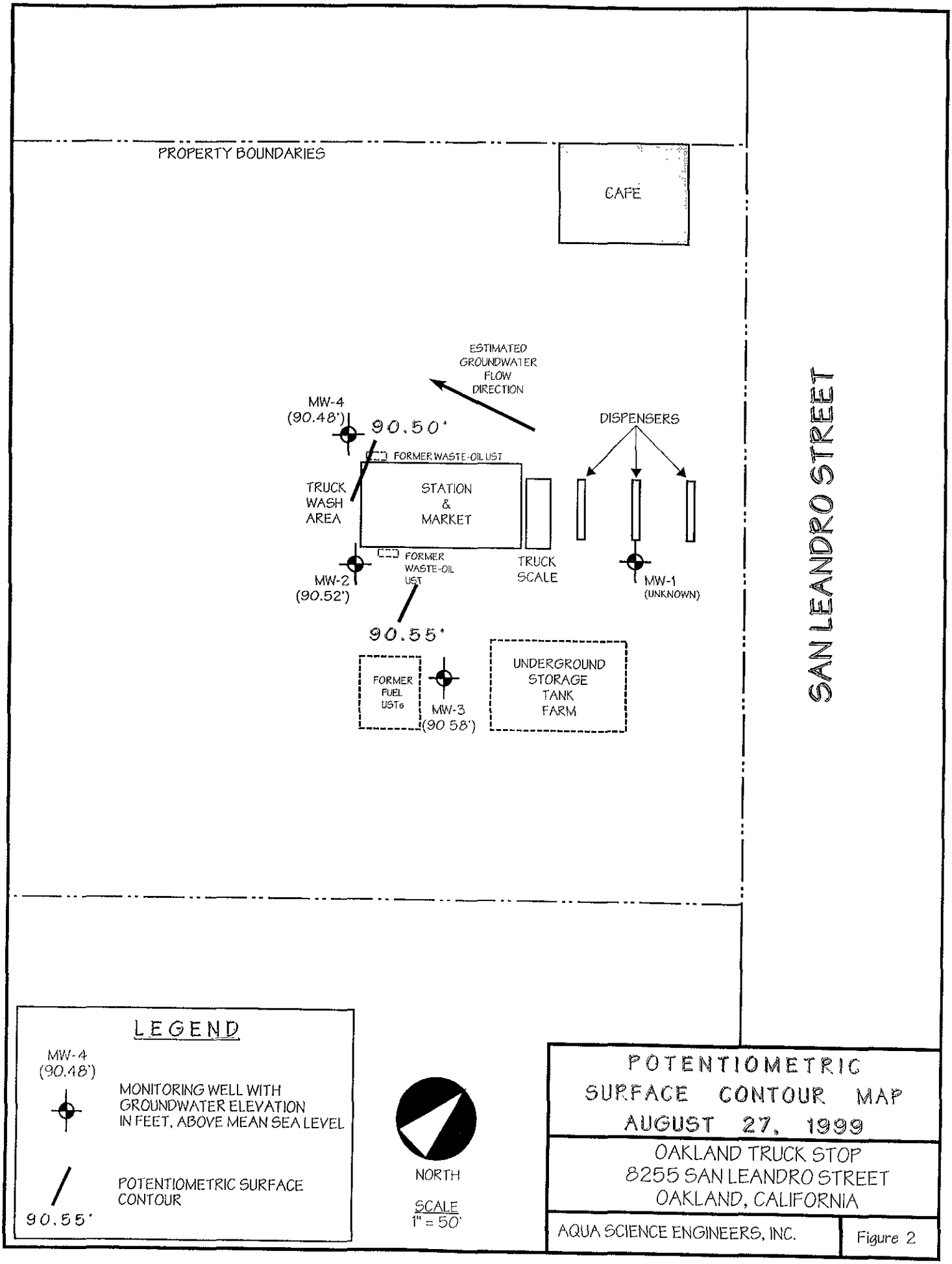
FIGURES



LOCATION MAP

OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 1



POTENTIOMETRIC SURFACE CONTOUR MAP AUGUST 27, 1999

OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 2

APPENDIX A

Well Sampling Field Logs

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WELL SAMPLING FIELD LOG

Project Name and Address: Oakland Truck Stop
Job #: ________ Date of sampling: 8-16-99
Well Name: MW-1 Sampled by: [illegible]
Total depth of well (feet): 15.50' Well diameter (inches): 2"
Depth to water before sampling (feet): ________
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

Volume Purged	Temp	pH	Conductivity

Floating Product (not sampled)

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis

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WELL SAMPLING FIELD LOG

Project Name and Address: Oakland Truck Stop
Job #: _____ Date of sampling: 8-16-99
Well Name: MW-2 Sampled by: ITR
Total depth of well (feet): 15.50' Well diameter (inches): 2"
Depth to water before sampling (feet): 6.50'
Thickness of floating product if any: None
Depth of well casing in water (feet): 9.30'
Number of gallons per well casing volume (gallons): 1.5
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 6.3
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1130 Time Evacuation Finished: 1150
Approximate volume of groundwater purged: 6.5
Did the well go dry? No After how many gallons: NA
Time samples were collected: 1155
Depth to water at time of sampling: 6.4
Percent recovery at time of sampling: 99%
Samples collected with dedicated bailer
Sample color: gray/yellow Odor: slight HC odor
Description of sediment in sample: gray silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	71.0	5.36	378
2	69.9	5.27	391
3	71.2	5.19	403
4	69.4	5.21	307

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analyses
MW-2	5	40 ml VOAs	✓	✓	TPH-G/BTEX/MTBE/VOCs
MW-2	10	1-liter Ambers		✓	TPH-D/MO/SVOCs/Pb/Luft

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WELL SAMPLING FIELD LOG

Project Name and Address: Oakland Truck Stop
Job #: _____ Date of sampling: 8-16-99
Well Name: MW-3 Sampled by: ITR
Total depth of well (feet): 15.50' Well diameter (inches): 2"
Depth to water before sampling (feet): 5.85'
Thickness of floating product if any: ~~9.65'~~ None
Depth of well casing in water (feet): 9.65'
Number of gallons per well casing volume (gallons): 1.6
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons) 6.6
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1225 Time Evacuation Finished 1240
Approximate volume of groundwater purged: 6.6
Did the well go dry?: No After how many gallons: —
Time samples were collected: 1245
Depth to water at time of sampling: 5.86
Percent recovery at time of sampling: 99%
Samples collected with: dedicated bailer
Sample color: gray Odor: slight HC odor
Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	64.8	5.73	538
2	67.4	5.81	537
3	64.3	6.01	600
4	64.4	6.64	607

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-3	5	40-ml VOAs	✓	✓	TPH-G/BTEX/MTBE(8260)
MW-3	2	1-liter Ambers		✓	TPH-D/MO

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WELL SAMPLING FIELD LOG

Project Name and Address: Oakland Truck Stop
Job #: _____ Date of sampling: 8.16.99
Well Name: MW-4 Sampled by: ITR
Total depth of well (feet): 15.0' Well diameter (inches): 2"
Depth to water before sampling (feet): 6.12
Thickness of floating product if any: None
Depth of well casing in water (feet): 8.88
Number of gallons per well casing volume (gallons): 1.5
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 6.0
Equipment used to purge the well: dedicated bailer
Time Evacuation Began: 1340 Time Evacuation Finished: 1355
Approximate volume of groundwater purged 6.0
Did the well go dry?: No After how many gallons: —
Time samples were collected: 1400
Depth to water at time of sampling: 6.20
Percent recovery at time of sampling: 98%
Samples collected with: dedicated bailer
Sample color: grey Odor: Slight HC odor
Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	71.5	4.94	378
2	72.4	5.31	407
3	71.6	5.91	411
4	71.8	5.45	504

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Preserved?	Analyses
MW-4	5	40 ml VOAs	✓	TPH-G/MTBE/BTEX/VOCs
MW-4	10	1-liter Ambers	✓	TPH-D/MO/SVOCs/Lead

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APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

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

Attn.: Mr. Ian T. Reed

Project: Oakland Truck Stop

Site: San Leandro Ave,
Oakland Ca.

Dear Mr. Reed,

Attached is our report for your samples received on Tuesday August 17, 1999. 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 September 16, 1999 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.

Sincerely,

Pierre Monette

Volatile Hydrocarbons by 8015/8020

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 #:

Project: Oakland Truck Stop

Site: San Leandro Ave, Oakland Ca.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	08/16/1999	1
MW-3	Water	08/16/1999	2
MW-4	Water	08/16/1999	3

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Volatile Hydrocarbons by 8015/8020

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 22:16
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	2200	50	ug/L	1.00	08/19/1999 22:16	
Surrogate(s)						
4-Bromofluorobenzene-FID	178.9	50-150	%	.00	08/19/1999 22:16	sh

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Volatile Hydrocarbons by 8015/8020

Sample ID:	MW-3	Lab Sample ID:	1999-08-0262-002
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/20/1999 13:09
Sampled:	08/16/1999	QC-Batch:	1999/08/20-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	56000	13000	ug/L	250.00	08/20/1999 13:09	
Benzene	17000	0.5	ug/L	250.00	08/20/1999 13:09	
Toluene	2600	0.5	ug/L	250.00	08/20/1999 13:09	
Ethyl benzene	2600	0.5	ug/L	250.00	08/20/1999 13:09	
Xylene(s)	1200	0.5	ug/L	250.00	08/20/1999 13:09	
MTBE	6100	5.0	ug/L	250.00	08/20/1999 13:09	
Surrogate(s)						
Trifluorotoluene	116.9	58-124	%	250.00	08/20/1999 13:09	
4-Bromofluorobenzene-FID	118.4	50-150	%	.00	08/20/1999 13:09	

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Volatile Hydrocarbons by 8015/8020

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 21:21
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	61	50	ug/L	1.00	08/19/1999 21:21	g
Surrogate(s)						
4-Bromofluorobenzene-FID	104.5	50-150	%	.00	08/19/1999 21:21	

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Volatile Hydrocarbons by 8015/8020

Method Blank | Water | QC Batch # 1999/08/19-01.02

MB: 1999/08/19-01.02-001 | Date Extracted: 08/19/1999 06:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	08/19/1999 06:30	
Benzene	ND	0.5	ug/L	08/19/1999 06:30	
Toluene	ND	0.5	ug/L	08/19/1999 06:30	
Ethyl benzene	ND	0.5	ug/L	08/19/1999 06:30	
Xylene(s)	ND	0.5	ug/L	08/19/1999 06:30	
MTBE	ND	5.0	ug/L	08/19/1999 06:30	
Surrogate(s)					
Trifluorotoluene	124.0	58-124	%	08/19/1999 06:30	
4-Bromofluorobenzene-FID	103.0	50-150	%	08/19/1999 06:30	

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Volatile Hydrocarbons by 8015/8020

Method Blank | Water | QC Batch # 1999/08/20-01.03

MB. 1999/08/20-01.03-001 | Date Extracted: 08/20/1999 09:06

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	08/20/1999 09:06	
Benzene	ND	0.5	ug/L	08/20/1999 09:06	
Toluene	ND	0.5	ug/L	08/20/1999 09:06	
Ethyl benzene	ND	0.5	ug/L	08/20/1999 09:06	
Xylene(s)	ND	0.5	ug/L	08/20/1999 09:06	
MTBE	ND	5.0	ug/L	08/20/1999 09:06	
Surrogate(s)					
Trifluorotoluene	112.8	58-124	%	08/20/1999 09:06	
4-Bromofluorobenzene-FID	118.6	50-150	%	08/20/1999 09:06	

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

Attn: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Volatile Hydrocarbons by 8015/8020

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 1999/08/19-01.02**

LCS: 1999/08/19-01.02-002 Extracted: 08/19/1999 06:57 Analyzed: 08/19/1999 06:57

LCSD: 1999/08/19-01.02-003 Extracted: 08/19/1999 07:51 Analyzed: 08/19/1999 07:51

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	495	449	500	500	99.0	89.8	9.7	75-125	20		
Benzene	112	102	100.0	100.0	112.0	102.0	9.3	77-123	20		
Toluene	108	100	100.0	100.0	108.0	100.0	7.7	78-122	20		
Ethyl benzene	104	97.2	100.0	100.0	104.0	97.2	6.8	70-130	20		
Xylene(s)	310	288	300	300	103.3	96.0	7.3	75-125	20		
Surrogate(s)											
Trifluorotoluene	476	418	500	500	95.2	83.6		58-124			
4-Bromofluorobenzene-FI	470	448	500	500	94.0	89.6		50-150			

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

Attn: Ian T. Reed

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Volatile Hydrocarbons by 8015/8020

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 1999/08/20-01.03**

LCS: 1999/08/20-01.03-002 Extracted: 08/20/1999 09:33 Analyzed: 08/20/1999 09:33

LCSD: 1999/08/20-01.03-003 Extracted: 08/20/1999 10:27 Analyzed: 08/20/1999 10:27

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	585	588	500	500	117.0	117.6	0.5	75-125	20		
Benzene	90.3	101	100.0	100.0	90.3	101.0	11.2	77-123	20		
Toluene	89.9	101	100.0	100.0	89.9	101.0	11.6	78-122	20		
Ethyl benzene	88.3	98 2	100 0	100.0	88.3	98.2	10.6	70-130	20		
Xylene(s)	253	286	300	300	84.3	95.3	12.2	75-125	20		
Surrogate(s)											
Trifluorotoluene	479	530	500	500	95.8	106.0		58-124			
4-Bromofluorobenzene-FI	581	661	500	500	116.2	132.2		50-150			

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

Attn:Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Legend & Notes

Volatile Hydrocarbons by 8015/8020

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sh

Surrogate recoveries were higher than QC limits due to matrix interference.

Metals

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 #:

Project: Oakland Truck Stop

Site: San Leandro Ave, Oakland Ca.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	08/16/1999	1
MW-4	Water	08/16/1999	3

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

Test Method: 6010A
Prep Method: 3010A

Metals

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/18/1999 07:26
Sampled:	08/16/1999	QC-Batch:	1999/08/18-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	1.00	08/18/1999 12:30	
Chromium	0.0090	0.0050	mg/L	1.00	08/18/1999 12:30	
Lead	ND	0.0050	mg/L	1.00	08/18/1999 12:30	
Nickel	0.019	0.0050	mg/L	1.00	08/18/1999 12:30	
Zinc	ND	0.010	mg/L	1.00	08/18/1999 12:30	

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

Test Method: 6010A
Prep Method: 3010A

Metals

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/18/1999 07:26
Sampled:	08/16/1999	QC-Batch:	1999/08/18-01.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.0027	0.0020	mg/L	1.00	08/18/1999 12:34	
Chromium	0.045	0.0050	mg/L	1.00	08/18/1999 12:34	
Lead	0.26	0.0050	mg/L	1.00	08/18/1999 12:34	
Nickel	0.055	0.0050	mg/L	1.00	08/18/1999 12:34	
Zinc	0.32	0.010	mg/L	1.00	08/18/1999 12:34	

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

Test Method: 6010A
Prep Method: 3010A

Batch QC Report
Metals

Method Blank | Water | **QC Batch # 1999/08/18-01.15**

MB: 1999/08/18-01.15-014 | Date Extracted: 08/18/1999 07:26

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	08/18/1999 11:21	
Chromium	ND	0.0050	mg/L	08/18/1999 11:21	
Lead	ND	0.0050	mg/L	08/18/1999 11:21	
Nickel	ND	0.0050	mg/L	08/18/1999 11:21	
Zinc	ND	0.010	mg/L	08/18/1999 11:21	

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

Attn: Ian T. Reed

Test Method: 6010A

Prep Method: 3010A

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) — Water — **QC Batch # 1999/08/18-01.15**

LCS: 1999/08/18-01.15-015 Extracted: 08/18/1999 07:26 Analyzed: 08/18/1999 11:25

LCSD: 1999/08/18-01.15-016 Extracted: 08/18/1999 07:26 Analyzed: 08/18/1999 11:29

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	0.465	0.465	0.500	0.500	93.0	93.0	0.0	80-120	20		
Chromium	0.459	0 457	0.500	0.500	91.8	91.4	0.4	80-120	20		
Lead	0.468	0.463	0.500	0.500	93.6	92.6	1.1	80-120	20		
Nickel	0.468	0.467	0.500	0.500	93.6	93.4	0.2	80-120	20		
Zinc	0.465	0.460	0.500	0.500	93.0	92.0	1.1	80-120	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

PCBs

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 #:	Project:	Oakland Truck Stop
Site: San Leandro Ave,		Oakland Ca.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	08/16/1999	1
MW-4	Water	08/16/1999	3

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

Test Method: 8080A
Prep Method: 3510/8080

PCBs

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/18/1999
Sampled:	08/16/1999	QC-Batch:	1999/08/18-01.14
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Aroclor 1221	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Aroclor 1232	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Aroclor 1242	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Aroclor 1248	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Aroclor 1254	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Aroclor 1260	ND	0.50	ug/L	1.00	08/20/1999 13:32	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	68.0	62-123	%	1.00	08/20/1999 13:32	
Decachlorobiphenyl	93.5	56-136	%	1.00	08/20/1999 13:32	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

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

Test Method: 8080A
Prep Method: 3510/8080

PCBs

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/18/1999
Sampled:	08/16/1999	QC-Batch:	1999/08/18-01.14
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Aroclor 1221	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Aroclor 1232	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Aroclor 1242	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Aroclor 1248	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Aroclor 1254	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Aroclor 1260	ND	0.50	ug/L	1.00	08/20/1999 14:03	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	86.1	62-123	%	1.00	08/20/1999 14:03	
Decachlorobiphenyl	98.7	56-136	%	1.00	08/20/1999 14:03	

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

Test Method: 8080A
Prep Method: 3510/8080

Batch QC Report
PCBs

Method Blank | Water | **QC Batch # 1999/08/18-01.14**

MB: 1999/08/18-01.14-001 | Date Extracted: 08/18/1999

Compound	Result	Rep Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.5	ug/L	08/20/1999 11:26	
Aroclor 1221	ND	0.5	ug/L	08/20/1999 11:26	
Aroclor 1232	ND	0.5	ug/L	08/20/1999 11:26	
Aroclor 1242	ND	0.5	ug/L	08/20/1999 11:26	
Aroclor 1248	ND	0.5	ug/L	08/20/1999 11:26	
Aroclor 1254	ND	0.5	ug/L	08/20/1999 11:26	
Aroclor 1260	ND	0.5	ug/L	08/20/1999 11:26	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	92.4	62-123	%	08/20/1999 11:26	
Decachlorobiphenyl	97.6	56-136	%	08/20/1999 11:26	

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

Attn: Ian T. Reed

Test Method: 8080A

Prep Method: 3510/8080

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD) — **Water** — **QC Batch # 1999/08/18-01.14**

LCS: 1999/08/18-01.14-002 Extracted: 08/18/1999 Analyzed: 08/20/1999 11:58

LCSD: 1999/08/18-01.14-003 Extracted: 08/18/1999 Analyzed: 08/20/1999 12:29

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Aroclor 1016	2.05	2.04	2.00	2.00	102.5	102.0	0.5	65-135	30		
Aroclor 1260	2.22	2.04	2.00	2.00	111.0	102.0	8.5	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyl	23.0	22.1	25	25	92.0	88.4		62-123			
Decachlorobiphenyl	23.8	22.0	25	25	95.2	88.0		56-136			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

Total Extractable Petroleum Hydrocarbons (TEPH)

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 #:

Project: Oakland Truck Stop

Site: San Leandro Ave,

Oakland Ca.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	08/16/1999	1
MW-3	Water	08/16/1999	2
MW-4	Water	08/16/1999	3

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

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

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 09:00
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	970	50	ug/L	1.00	08/19/1999 21:38	ed
Motor Oil	ND	500	ug/L	1.00	08/19/1999 21:38	
Surrogate(s)						
o-Terphenyl	81.8	60-130	%	1.00	08/19/1999 21:38	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

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

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

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID:	**MW-3**	Lab Sample ID:	**1999-08-0262-002**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 09:00
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	10000	50	ug/L	1.00	08/20/1999 00:02	,efp
Motor Oil	ND	500	ug/L	1.00	08/20/1999 00:02	
Surrogate(s)						
o-Terphenyl	92.6	60-130	%	1.00	08/20/1999 00:02	

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

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

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted.	08/19/1999 09:00
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1100	50	ug/L	1.00	08/19/1999 22:26	ed
Motor Oil	ND	500	ug/L	1.00	08/19/1999 22:26	
Surrogate(s)						
o-Terphenyl	103.1	60-130	%	1.00	08/19/1999 22:26	

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

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

Batch QC Report

Total Extractable Petroleum Hydrocarbons (TEPH)

Method Blank | **Water** | **QC Batch # 1999/08/19-01.10**

MB: 1999/08/19-01.10-001 | Date Extracted: 08/19/1999 09:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	08/19/1999 10:43	
Motor Oil	ND	500	ug/L	08/19/1999 10:43	
Surrogate(s)					
o-Terphenyl	86.0	60-130	%	08/19/1999 10:43	

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

Attn: Ian T. Reed

Test Method: 8015m

Prep Method: 3510/8015M

Batch QC Report

Total Extractable Petroleum Hydrocarbons (TEPH)

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 1999/08/19-01.10**

LCS: 1999/08/19-01.10-002 Extracted: 08/19/1999 09:00 Analyzed: 08/19/1999 11:46

LCSD: 1999/08/19-01.10-003 Extracted: 08/19/1999 09:00 Analyzed: 08/19/1999 12:18

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery.[%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	972	996	1250	1250	77.8	79.7	2.4	60-130	25		
Surrogate(s)											
o-Terphenyl	19.6	19 3	20.0	20.0	98.0	96.5		60-130			

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

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

Legend & Notes

Total Extractable Petroleum Hydrocarbons (TEPH)

Analysis Notes

MW-3 (Lab# 1999-08-0262-002)

efp=Estimated concentration reported due to overlapping fuel patterns present in the sample.

Analyte Flags

ed

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

Semi-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 #.	Project: Oakland Truck Stop
Site: San Leandro Ave,	Oakland Ca.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	08/16/1999	1
MW-4	Water	08/16/1999	3

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

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

Test Method: 8270A
Prep Method: 3510/8270A

Semi-volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/20/1999 15:34
Sampled:	08/16/1999	QC-Batch:	1999/08/20-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	08/20/1999 19:14	
2-Chlorophenol	ND	2.0	ug/L	1.00	08/20/1999 19:14	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	08/20/1999 19.14	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	08/20/1999 19.14	
Benzyl alcohol	ND	5.0	ug/L	1.00	08/20/1999 19:14	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
2-Methylphenol	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	08/20/1999 19.14	
4-Methylphenol	ND	2.0	ug/L	1.00	08/20/1999 19:14	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Hexachloroethane	ND	2.0	ug/L	1.00	08/20/1999 19.14	
Nitrobenzene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Isophorone	ND	2.0	ug/L	1.00	08/20/1999 19.14	
2-Nitrophenol	ND	2.0	ug/L	1.00	08/20/1999 19:14	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	08/20/1999 19.14	
2,4-Dichlorophenol	ND	2 0	ug/L	1.00	08/20/1999 19 14	
1,2,4-Trichlorobenzene	ND	2 0	ug/L	1.00	08/20/1999 19 14	
Naphthalene	ND	2 0	ug/L	1.00	08/20/1999 19 14	
4-Chloroaniline	ND	2 0	ug/L	1.00	08/20/1999 19 14	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	08/20/1999 19 14	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	08/20/1999 19 14	
2-Methylnaphthalene	ND	2 0	ug/L	1.00	08/20/1999 19 14	
Hexachlorocyclopentadiene	ND	2 0	ug/L	1.00	08/20/1999 19 14	
2,4,6-Trichlorophenol	ND	2 0	ug/L	1.00	08/20/1999 19 14	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	08/20/1999 19 14	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	08/20/1999 19 14	
2-Nitroaniline	ND	10	ug/L	1.00	08/20/1999 19 14	
Dimethyl phthalate	ND	5.0	ug/L	1.00	08/20/1999 19.14	
Acenaphthylene	ND	2.0	ug/L	1.00	08/20/1999 19 14	
3-Nitroaniline	ND	10	ug/L	1.00	08/20/1999 19 14	
Acenaphthene	ND	2 0	ug/L	1.00	08/20/1999 19 14	
2,4-Dinitrophenol	ND	10	ug/L	1.00	08/20/1999 19 14	
4-Nitrophenol	ND	10	ug/L	1.00	08/20/1999 19 14	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

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

Test Method: 8270A
Prep Method: 3510/8270A

Semi-volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/20/1999 15:34
Sampled:	08/16/1999	QC-Batch:	1999/08/20-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	2.0	ug/L	1.00	08/20/1999 19:14	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	08/20/1999 19:14	
Diethyl phthalate	ND	5.0	ug/L	1.00	08/20/1999 19:14	
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Fluorene	ND	5.0	ug/L	1.00	08/20/1999 19:14	
4-Nitroaniline	ND	10	ug/L	1.00	08/20/1999 19:14	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	08/20/1999 19:14	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	08/20/1999 19:14	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	08/20/1999 19:14	
Hexachlorobenzene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Pentachlorophenol	ND	10	ug/L	1.00	08/20/1999 19:14	
Phenanthrene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Anthracene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	08/20/1999 19:14	
Fluoranthene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Pyrene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	08/20/1999 19:14	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	08/20/1999 19.14	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
bis(2-Ethylhexyl) phthalate	ND	5.0	ug/L	1.00	08/20/1999 19.14	
Chrysene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	08/20/1999 19.14	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	08/20/1999 19:14	
Benzoic acid	ND	10	ug/L	1.00	08/20/1999 19:14	
Surrogate(s)						
Nitrobenzene-d5	93.3	35-114	%	1.00	08/20/1999 19:14	
2-Fluorobiphenyl	88.7	43-116	%	1.00	08/20/1999 19:14	
p-Terphenyl-d14	78.7	33-141	%	1.00	08/20/1999 19.14	

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

Test Method: 8270A
Prep Method: 3510/8270A

Semi-volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/20/1999 15:34
Sampled:	08/16/1999	QC-Batch:	1999/08/20-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d5	22.7	10-110	%	1.00	08/20/1999 19:14	
2-Fluorophenol	32.0	25-100	%	1.00	08/20/1999 19:14	
2,4,6-Tribromophenol	118.2	10-123	%	1.00	08/20/1999 19:14	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-08-0262

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

Test Method: 8270A
Prep Method: 3510/8270A

Semi-volatile Organic Compounds

Sample ID:	MW-4	Lab Sample ID:	1999-08-0262-003
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 15:34
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2-Chlorophenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Benzyl alcohol	ND	5.0	ug/L	1.00	08/19/1999 17:45	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2-Methylphenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	08/19/1999 17:45	
4-Methylphenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Hexachloroethane	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Nitrobenzene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Isophorone	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2-Nitrophenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	08/19/1999 17:45	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Naphthalene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
4-Chloroaniline	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	08/19/1999 17:45	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Hexachlorocyclopentadiene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2-Nitroaniline	ND	10	ug/L	1.00	08/19/1999 17:45	
Dimethyl phthalate	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Acenaphthylene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
3-Nitroaniline	ND	10	ug/L	1.00	08/19/1999 17:45	
Acenaphthene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2,4-Dinitrophenol	ND	10	ug/L	1.00	08/19/1999 17:45	
4-Nitrophenol	ND	10	ug/L	1.00	08/19/1999 17:45	

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

Test Method: 8270A
Prep Method: 3510/8270A

Semi-volatile Organic Compounds

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 15:34
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Diethyl phthalate	ND	5.0	ug/L	1.00	08/19/1999 17:45	
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Fluorene	ND	5.0	ug/L	1.00	08/19/1999 17:45	
4-Nitroaniline	ND	10	ug/L	1.00	08/19/1999 17:45	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	08/19/1999 17:45	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	08/19/1999 17:45	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Hexachlorobenzene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Pentachlorophenol	ND	10	ug/L	1.00	08/19/1999 17:45	
Phenanthrene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Anthracene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Fluoranthene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Pyrene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	08/19/1999 17:45	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
bis(2-Ethylhexyl) phthalate	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Chrysene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	08/19/1999 17:45	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	08/19/1999 17:45	
Benzoic acid	ND	10	ug/L	1.00	08/19/1999 17:45	
Surrogate(s)						
Nitrobenzene-d5	83.5	35-114	%	1.00	08/19/1999 17:45	
2-Fluorobiphenyl	84.0	43-116	%	1.00	08/19/1999 17:45	
p-Terphenyl-d14	93.2	33-141	%	1.00	08/19/1999 17:45	

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

Test Method: 8270A
Prep Method: 3510/8270A

Semi-volatile Organic Compounds

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/19/1999 15:34
Sampled:	08/16/1999	QC-Batch:	1999/08/19-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d5	22.6	10-110	%	1.00	08/19/1999 17:45	
2-Fluorophenol	35.1	25-100	%	1.00	08/19/1999 17:45	
2,4,6-Tribromophenol	94.4	10-123	%	1.00	08/19/1999 17:45	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 1999/08/19-01.11**

MB: 1999/08/19-01.11-001 | Date Extracted: 08/19/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Phenol	ND	2.0	ug/L	08/19/1999 13:11	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	08/19/1999 13:11	
2-Chlorophenol	ND	2.0	ug/L	08/19/1999 13:11	
1,3-Dichlorobenzene	ND	2.0	ug/L	08/19/1999 13:11	
1,4-Dichlorobenzene	ND	2.0	ug/L	08/19/1999 13:11	
Benzyl alcohol	ND	5.0	ug/L	08/19/1999 13:11	
1,2-Dichlorobenzene	ND	2.0	ug/L	08/19/1999 13:11	
2-Methylphenol	ND	2.0	ug/L	08/19/1999 13:11	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	08/19/1999 13:11	
4-Methylphenol	ND	2.0	ug/L	08/19/1999 13:11	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	08/19/1999 13:11	
Hexachloroethane	ND	2.0	ug/L	08/19/1999 13:11	
Nitrobenzene	ND	2.0	ug/L	08/19/1999 13:11	
Isophorone	ND	2.0	ug/L	08/19/1999 13:11	
2-Nitrophenol	ND	2.0	ug/L	08/19/1999 13:11	
2,4-Dimethylphenol	ND	2.0	ug/L	08/19/1999 13:11	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	08/19/1999 13:11	
2,4-Dichlorophenol	ND	2 0	ug/L	08/19/1999 13:11	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	08/19/1999 13:11	
Naphthalene	ND	2.0	ug/L	08/19/1999 13.11	
4-Chloroaniline	ND	2.0	ug/L	08/19/1999 13:11	
Hexachlorobutadiene	ND	2 0	ug/L	08/19/1999 13:11	
4-Chloro-3-methylphenol	ND	5.0	ug/L	08/19/1999 13:11	
2-Methylnaphthalene	ND	2.0	ug/L	08/19/1999 13:11	
Hexachlorocyclopentadiene	ND	2 0	ug/L	08/19/1999 13:11	
2,4,6-Trichlorophenol	ND	2 0	ug/L	08/19/1999 13:11	
2,4,5-Trichlorophenol	ND	2.0	ug/L	08/19/1999 13:11	
2-Chloronaphthalene	ND	2.0	ug/L	08/19/1999 13:11	
2-Nitroaniline	ND	10	ug/L	08/19/1999 13:11	
Dimethyl phthalate	ND	5.0	ug/L	08/19/1999 13:11	
Acenaphthylene	ND	2.0	ug/L	08/19/1999 13:11	
3-Nitroaniline	ND	10	ug/L	08/19/1999 13:11	
Acenaphthene	ND	2.0	ug/L	08/19/1999 13:11	
2,4-Dinitrophenol	ND	10	ug/L	08/19/1999 13:11	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Method Blank | Water | **QC Batch # 1999/08/19-01.11**

MB: 1999/08/19-01.11-001 | Date Extracted: 08/19/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
4-Nitrophenol	ND	10	ug/L	08/19/1999 13:11	
Dibenzofuran	ND	2.0	ug/L	08/19/1999 13:11	
2,4-Dinitrotoluene	ND	2 0	ug/L	08/19/1999 13:11	
2,6-Dinitrotoluene	ND	5 0	ug/L	08/19/1999 13:11	
Diethyl phthalate	ND	5 0	ug/L	08/19/1999 13:11	
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	08/19/1999 13:11	
Fluorene	ND	5.0	ug/L	08/19/1999 13:11	
4-Nitroaniline	ND	10	ug/L	08/19/1999 13:11	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	08/19/1999 13:11	
N-Nitrosodiphenylamine	ND	2.0	ug/L	08/19/1999 13:11	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	08/19/1999 13:11	
Hexachlorobenzene	ND	2.0	ug/L	08/19/1999 13:11	
Pentachlorophenol	ND	10	ug/L	08/19/1999 13:11	
Phenanthrene	ND	2.0	ug/L	08/19/1999 13:11	
Anthracene	ND	2.0	ug/L	08/19/1999 13:11	
Di-n-butyl phthalate	ND	5.0	ug/L	08/19/1999 13:11	
Fluoranthene	ND	2.0	ug/L	08/19/1999 13:11	
Pyrene	ND	2.0	ug/L	08/19/1999 13:11	
Butyl benzyl phthalate	ND	5 0	ug/L	08/19/1999 13:11	
3,3-Dichlorobenzidine	ND	5 0	ug/L	08/19/1999 13.11	
Benzo(a)anthracene	ND	2 0	ug/L	08/19/1999 13:11	
bis(2-Ethylhexyl) phthalate	ND	5 0	ug/L	08/19/1999 13:11	
Chrysene	ND	2 0	ug/L	08/19/1999 13.11	
Di-n-octyl phthalate	ND	5 0	ug/L	08/19/1999 13:11	
Benzo(b)fluoranthene	ND	2.0	ug/L	08/19/1999 13:11	
Benzo(k)fluoranthene	ND	2 0	ug/L	08/19/1999 13:11	
Benzo(a)pyrene	ND	2 0	ug/L	08/19/1999 13:11	
Indeno(1,2,3-c,d)pyrene	ND	2 0	ug/L	08/19/1999 13.11	
Dibenzo(a,h)anthracene	ND	2 0	ug/L	08/19/1999 13.11	
Benzo(g,h,i)perylene	ND	2.0	ug/L	08/19/1999 13:11	
Benzoic acid	ND	10	ug/L	08/19/1999 13:11	
Surrogate(s)					
Nitrobenzene-d5	90.4	35-114	%	08/19/1999 13:11	
2-Fluorobiphenyl	79.2	43-116	%	08/19/1999 13:11	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Method Blank | Water | **QC Batch # 1999/08/19-01.11**

MB: 1999/08/19-01.11-001 | Date Extracted: 08/19/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Surrogate(s)					
p-Terphenyl-d14	114.8	33-141	%	08/19/1999 13:11	
Phenol-d5	25.6	10-110	%	08/19/1999 13:11	
2-Fluorophenol	40.6	25-100	%	08/19/1999 13:11	
2,4,6-Tribromophenol	84.8	10-123	%	08/19/1999 13:11	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 1999/08/20-01.11**

MB: 1999/08/20-01.11-001 | Date Extracted 08/20/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Phenol	ND	2.0	ug/L	08/20/1999 16:39	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	08/20/1999 16:39	
2-Chlorophenol	ND	2.0	ug/L	08/20/1999 16:39	
1,3-Dichlorobenzene	ND	2.0	ug/L	08/20/1999 16:39	
1,4-Dichlorobenzene	ND	2.0	ug/L	08/20/1999 16:39	
Benzyl alcohol	ND	5.0	ug/L	08/20/1999 16:39	
1,2-Dichlorobenzene	ND	2.0	ug/L	08/20/1999 16:39	
2-Methylphenol	ND	2.0	ug/L	08/20/1999 16:39	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	08/20/1999 16:39	
4-Methylphenol	ND	2.0	ug/L	08/20/1999 16:39	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	08/20/1999 16:39	
Hexachloroethane	ND	2.0	ug/L	08/20/1999 16:39	
Nitrobenzene	ND	2.0	ug/L	08/20/1999 16:39	
Isophorone	ND	2.0	ug/L	08/20/1999 16:39	
2-Nitrophenol	ND	2.0	ug/L	08/20/1999 16:39	
2,4-Dimethylphenol	ND	2.0	ug/L	08/20/1999 16:39	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	08/20/1999 16:39	
2,4-Dichlorophenol	ND	2.0	ug/L	08/20/1999 16:39	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	08/20/1999 16:39	
Naphthalene	ND	2.0	ug/L	08/20/1999 16:39	
4-Chloroaniline	ND	2.0	ug/L	08/20/1999 16:39	
Hexachlorobutadiene	ND	2.0	ug/L	08/20/1999 16:39	
4-Chloro-3-methylphenol	ND	5.0	ug/L	08/20/1999 16:39	
2-Methylnaphthalene	ND	2.0	ug/L	08/20/1999 16:39	
Hexachlorocyclopentadiene	ND	2.0	ug/L	08/20/1999 16:39	
2,4,6-Trichlorophenol	ND	2.0	ug/L	08/20/1999 16:39	
2,4,5-Trichlorophenol	ND	2.0	ug/L	08/20/1999 16:39	
2-Chloronaphthalene	ND	2.0	ug/L	08/20/1999 16:39	
2-Nitroaniline	ND	10	ug/L	08/20/1999 16:39	
Dimethyl phthalate	ND	5.0	ug/L	08/20/1999 16:39	
Acenaphthylene	ND	2.0	ug/L	08/20/1999 16:39	
3-Nitroaniline	ND	10	ug/L	08/20/1999 16:39	
Acenaphthene	ND	2.0	ug/L	08/20/1999 16:39	
2,4-Dinitrophenol	ND	10	ug/L	08/20/1999 16:39	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 1999/08/20-01.11**

MB: 1999/08/20-01.11-001 | Date Extracted: 08/20/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
4-Nitrophenol	ND	10	ug/L	08/20/1999 16:39	
Dibenzofuran	ND	2.0	ug/L	08/20/1999 16:39	
2,4-Dinitrotoluene	ND	2.0	ug/L	08/20/1999 16:39	
2,6-Dinitrotoluene	ND	5.0	ug/L	08/20/1999 16:39	
Diethyl phthalate	ND	5.0	ug/L	08/20/1999 16:39	
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	08/20/1999 16.39	
Fluorene	ND	5.0	ug/L	08/20/1999 16:39	
4-Nitroaniline	ND	10	ug/L	08/20/1999 16:39	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	08/20/1999 16:39	
N-Nitrosodiphenylamine	ND	2.0	ug/L	08/20/1999 16:39	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	08/20/1999 16:39	
Hexachlorobenzene	ND	2.0	ug/L	08/20/1999 16:39	
Pentachlorophenol	ND	10	ug/L	08/20/1999 16:39	
Phenanthrene	ND	2.0	ug/L	08/20/1999 16:39	
Anthracene	ND	2.0	ug/L	08/20/1999 16:39	
Di-n-butyl phthalate	ND	5.0	ug/L	08/20/1999 16:39	
Fluoranthene	ND	2.0	ug/L	08/20/1999 16:39	
Pyrene	ND	2.0	ug/L	08/20/1999 16:39	
Butyl benzyl phthalate	ND	5.0	ug/L	08/20/1999 16:39	
3,3-Dichlorobenzidine	ND	5.0	ug/L	08/20/1999 16:39	
Benzo(a)anthracene	ND	2.0	ug/L	08/20/1999 16.39	
bis(2-Ethylhexyl) phthalate	ND	5.0	ug/L	08/20/1999 16.39	
Chrysene	ND	2.0	ug/L	08/20/1999 16:39	
Di-n-octyl phthalate	ND	5.0	ug/L	08/20/1999 16:39	
Benzo(b)fluoranthene	ND	2.0	ug/L	08/20/1999 16.39	
Benzo(k)fluoranthene	ND	2.0	ug/L	08/20/1999 16 39	
Benzo(a)pyrene	ND	2.0	ug/L	08/20/1999 16.39	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	08/20/1999 16:39	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	08/20/1999 16:39	
Benzo(g,h,i)perylene	ND	2.0	ug/L	08/20/1999 16:39	
Benzoic acid	ND	10	ug/L	08/20/1999 16:39	
Surrogate(s)					
Nitrobenzene-d5	98.0	35-114	%	08/20/1999 16:39	
2-Fluorobiphenyl	79.2	43-116	%	08/20/1999 16.39	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 1999/08/20-01.11**

MB: 1999/08/20-01.11-001 | Date Extracted: 08/20/1999

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Surrogate(s)					
p-Terphenyl-d14	77.2	33-141	%	08/20/1999 16:39	
Phenol-d5	26.6	10-110	%	08/20/1999 16:39	
2-Fluorophenol	40.6	25-100	%	08/20/1999 16:39	
2,4,6-Tribromophenol	120.8	10-123	%	08/20/1999 16:39	

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

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 1999/08/19-01.11**

LCS: 1999/08/19-01.11-002 Extracted: 08/19/1999 Analyzed: 08/19/1999 13:55
LCSD: 1999/08/19-01.11-003 Extracted: 08/19/1999 Analyzed: 08/19/1999 14:41

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Phenol	14.8	14.5	60.0	60.0	24.7	24.2	2.0	12-89	35		
2-Chlorophenol	44.4	42.7	60.0	60 0	74.0	71.2	3.9	23-134	25		
1,4-Dichlorobenzene	21.1	20.6	30.0	30.0	70.3	68.7	2.3	36-97	30		
N-Nitroso-di-n-propylamin	26.6	26.0	30.0	30.0	88.7	86.7	2.3	10-130	34		
1,2,4-Trichlorobenzene	21.1	20.3	30.0	30.0	70 3	67.7	3.8	44-142	35		
4-Chloro-3-methylphenol	55.7	53.9	60.0	60.0	92 8	89.8	3.3	22-147	31		
Acenaphthene	24.3	24.0	30.0	30.0	81.0	80.0	1.2	56-118	30		
4-Nitrophenol	14.2	12.9	60.0	60.0	23.7	21.5	9.7	1-51	35		
2,4-Dinitrotoluene	26.7	26.1	30.0	30.0	89.0	87.0	2.3	39-139	35		
Pentachlorophenol	45.3	39.5	60.0	60.0	75 5	65.8	13.7	45-125	35		
Pyrene	32.4	33.1	30.0	30.0	108 0	110.3	2.1	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	23.0	22.5	25	25	92.0	90.0		35-114			
2-Fluorobiphenyl	19.5	20.1	25	25	78.0	80.4		43-116			
p-Terphenyl-d14	26.2	28.9	25	25	104.8	115.6		33-141			
Phenol-d5	12.4	12.8	50	50	24.8	25.6		10-110			
2-Fluorophenol	19.9	19.8	50	50	39.8	39.6		25-100			
2,4,6-Tribromophenol	50.6	50.0	50	50	101 2	100 0		10-123			

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

Attn: Ian T. Reed

Test Method: 8270A

Prep Method: 3510/8270A

Batch QC Report

Semi-volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 1999/08/20-01.11**

LCS: 1999/08/20-01.11-002 Extracted: 08/20/1999 Analyzed: 08/20/1999 17:30

LCSD: 1999/08/20-01.11-003 Extracted: 08/20/1999 Analyzed: 08/20/1999 18:20

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Phenol	17.6	20.8	60.0	60.0	29.3	34.7	16.9	12-89	35		
2-Chlorophenol	43.4	42.0	60.0	60.0	72.3	70.0	3.2	23-134	25		
1,4-Dichlorobenzene	16.3	19.6	30.0	30.0	54.3	65.3	18.4	36-97	30		
N-Nitroso-di-n-propylamin	23.5	24.4	30.0	30.0	78.3	81.3	3.8	10-130	34		
1,2,4-Trichlorobenzene	15.6	20.4	30.0	30.0	52.0	68.0	26.7	44-142	35		
4-Chloro-3-methylphenol	48.5	52.6	60.0	60.0	80.8	87.7	8.2	22-147	31		
Acenaphthene	21.6	25.0	30.0	30.0	72.0	83.3	14.6	56-118	30		
4-Nitrophenol	20.5	20.4	60.0	60.0	34.2	34.0	0.6	1-51	35		
2,4-Dinitrotoluene	28.6	30.5	30.0	30.0	95.3	101.7	6.5	39-139	35		
Pentachlorophenol	49.5	58.9	60.0	60.0	82.5	98.2	17.4	45-125	35		
Pyrene	28.0	31.5	30.0	30.0	93.3	105.0	11.8	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	23.5	24.4	25	25	94.0	97.6		35-114			
2-Fluorobiphenyl	21.1	22.1	25	25	84.4	88.4		43-116			
p-Terphenyl-d14	18.6	20.2	25	25	74.4	80.8		33-141			
Phenol-d5	16.4	14.0	50	50	32.8	28.0		10-110			
2-Fluorophenol	22.8	19.9	50	50	45.6	39.8		25-100			
2,4,6-Tribromophenol	61.5	60.0	50	50	123.0	120.0		10-123			

REVISED

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 #:

Project: Oakland Truck Stop

Site: San Leandro Ave,

Oakland Ca.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	08/16/1999	1
MW-4	Water	08/16/1999	3

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

Test Method: 8260A
Prep Method: 5030

REVISED

Volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/29/1999 18:53
Sampled:	08/16/1999	QC-Batch:	1999/08/29-01.27
Matrix:	Water		

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

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	200	ug/L	4.00	08/29/1999 18:53	
Benzene	3.8	2.0	ug/L	4.00	08/29/1999 18:53	
Bromodichloromethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Bromoform	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Bromomethane	ND	4.0	ug/L	4.00	08/29/1999 18:53	
Carbon tetrachloride	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Chlorobenzene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Chloroethane	ND	4.0	ug/L	4.00	08/29/1999 18:53	
2-Butanone(MEK)	ND	200	ug/L	4.00	08/29/1999 18:53	
2-Chloroethylvinyl ether	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Chloroform	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Chloromethane	ND	4.0	ug/L	4.00	08/29/1999 18:53	
Dibromochloromethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,4-Dichlorobenzene	ND	2.0	ug/L	4 00	08/29/1999 18:53	
1,2-Dibromo-3-chloropropane	ND	20	ug/L	4 00	08/29/1999 18:53	
1,2-Dibromoethane	ND	2.0	ug/L	4 00	08/29/1999 18:53	
Dibromomethane	ND	2.0	ug/L	4 00	08/29/1999 18:53	
Dichlorodifluoromethane	ND	2.0	ug/L	4 00	08/29/1999 18:53	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,1-Dichloroethene	ND	2.0	ug/L	4 00	08/29/1999 18:53	
1,2-Dichloroethene (cis)	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,2-Dichloroethene (trans)	ND	2.0	ug/L	4 00	08/29/1999 18:53	
1,2-Dichloropropane	ND	2.0	ug/L	4 00	08/29/1999 18:53	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4 00	08/29/1999 18:53	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4 00	08/29/1999 18:53	
Ethylbenzene	3.0	2.0	ug/L	4.00	08/29/1999 18:53	
2-Hexanone	ND	200	ug/L	4.00	08/29/1999 18:53	
Methylene chloride	ND	20	ug/L	4.00	08/29/1999 18:53	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	08/29/1999 18:53	
Naphthalene	ND	4.0	ug/L	4 00	08/29/1999 18:53	

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

Test Method: 8260A REVISED
Prep Method: 5030

Volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**1999-08-0262-001**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/29/1999 18:53
Sampled:	08/16/1999	QC-Batch:	1999/08/29-01.27
Matrix:	Water		

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

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Styrene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Tetrachloroethene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Toluene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Trichloroethene	ND	2.0	ug/L	4.00	08/29/1999 18:53	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Vinyl acetate	ND	20	ug/L	4.00	08/29/1999 18:53	
Vinyl chloride	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Total xylenes	ND	4.0	ug/L	4.00	08/29/1999 18:53	
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	08/29/1999 18:53	
Carbon disulfide	ND	4.0	ug/L	4.00	08/29/1999 18:53	
Isopropylbenzene	11	2.0	ug/L	4.00	08/29/1999 18:53	
Bromobenzene	ND	2 0	ug/L	4.00	08/29/1999 18:53	
Bromochloromethane	ND	4.0	ug/L	4.00	08/29/1999 18:53	
Trichlorofluoromethane	ND	8.0	ug/L	4.00	08/29/1999 18:53	
MTBE	ND	20	ug/L	4.00	08/29/1999 18:53	
Surrogate(s)						
4-Bromofluorobenzene	109.1	86-115	%	1.00	08/29/1999 18:53	
1,2-Dichloroethane-d4	89 2	76-114	%	1.00	08/29/1999 18:53	
Toluene-d8	95.0	88-110	%	1.00	08/29/1999 18:53	

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

Test Method: 8260A
Prep Method: 5030

REVISED

Volatile Organic Compounds

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15.51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/24/1999 02:41
Sampled:	08/16/1999	QC-Batch:	1999/08/23-01.27
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	08/24/1999 02:41	
Benzene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Bromoform	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Bromomethane	ND	1.0	ug/L	1.00	08/24/1999 02:41	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Chlorobenzene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Chloroethane	ND	1.0	ug/L	1.00	08/24/1999 02:41	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/24/1999 02:41	
2-Chloroethylvinyl ether	ND	0 50	ug/L	1.00	08/24/1999 02:41	
Chloroform	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Chloromethane	ND	1 0	ug/L	1.00	08/24/1999 02:41	
Dibromochloromethane	ND	0 50	ug/L	1.00	08/24/1999 02:41	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/24/1999 02.41	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	08/24/1999 02 41	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/24/1999 02 41	
Dibromomethane	ND	0 50	ug/L	1.00	08/24/1999 02 41	
Dichlorodifluoromethane	ND	0 50	ug/L	1.00	08/24/1999 02 41	
1,1-Dichloroethane	ND	0 50	ug/L	1.00	08/24/1999 02 41	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/24/1999 02 41	
1,1-Dichloroethene	ND	0 50	ug/L	1.00	08/24/1999 02 41	
1,2-Dichloroethene (cis)	ND	0 50	ug/L	1.00	08/24/1999 02 41	
1,2-Dichloroethene (trans)	ND	0 50	ug/L	1.00	08/24/1999 02.41	
1,2-Dichloropropane	ND	0 50	ug/L	1.00	08/24/1999 02.41	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/24/1999 02.41	
trans-1,3-Dichloropropene	ND	0 50	ug/L	1.00	08/24/1999 02 41	
Ethylbenzene	ND	0.50	ug/L	1.00	08/24/1999 02.41	
2-Hexanone	ND	50	ug/L	1.00	08/24/1999 02.41	
Methylene chloride	ND	5.0	ug/L	1.00	08/24/1999 02.41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/24/1999 02 41	
Naphthalene	ND	1 0	ug/L	1.00	08/24/1999 02 41	
Styrene	ND	0.50	ug/L	1.00	08/24/1999 02.41	

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 1999-08-0262

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

Test Method: 8260A
Prep Method: 5030

REVISED

Volatile Organic Compounds

Sample ID:	**MW-4**	Lab Sample ID:	**1999-08-0262-003**
Project:	Oakland Truck Stop	Received:	08/17/1999 15:51
Site:	San Leandro Ave, Oakland Ca.	Extracted:	08/24/1999 02:41
Sampled:	08/16/1999	QC-Batch:	1999/08/23-01.27
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Toluene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/24/1999 02:41	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Trichloroethene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Vinyl acetate	ND	5.0	ug/L	1.00	08/24/1999 02:41	
Vinyl chloride	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Total xylenes	ND	1.0	ug/L	1.00	08/24/1999 02:41	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Carbon disulfide	ND	1.0	ug/L	1.00	08/24/1999 02:41	
Isopropylbenzene	ND	0 50	ug/L	1.00	08/24/1999 02:41	
Bromobenzene	ND	0.50	ug/L	1.00	08/24/1999 02:41	
Bromochloromethane	ND	1.0	ug/L	1.00	08/24/1999 02:41	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	08/24/1999 02:41	
MTBE	86	5.0	ug/L	1 00	08/24/1999 02:41	
Surrogate(s)						
4-Bromofluorobenzene	109.5	86-115	%	1 00	08/24/1999 02:41	
1,2-Dichloroethane-d4	77.1	76-114	%	1.00	08/24/1999 02:41	
Toluene-d8	92.4	88-110	%	1 00	08/24/1999 02:41	

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

Test Method: 8260A
Prep Method: 5030

REVISED

Batch QC Report
Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 1999/08/23-01.27**

MB: 1999/08/23-01.27-001 | Date Extracted: 08/23/1999 14:05

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	08/23/1999 14:05	
Benzene	ND	0.5	ug/L	08/23/1999 14:05	
Bromodichloromethane	ND	0.5	ug/L	08/23/1999 14:05	
Bromoform	ND	0.5	ug/L	08/23/1999 14:05	
Bromomethane	ND	1.0	ug/L	08/23/1999 14:05	
Carbon tetrachloride	ND	0.5	ug/L	08/23/1999 14:05	
Chlorobenzene	ND	0.5	ug/L	08/23/1999 14:05	
Chloroethane	ND	1.0	ug/L	08/23/1999 14:05	
2-Butanone(MEK)	ND	50	ug/L	08/23/1999 14:05	
2-Chloroethylvinyl ether	ND	0.5	ug/L	08/23/1999 14:05	
Chloroform	ND	0.5	ug/L	08/23/1999 14:05	
Chloromethane	ND	1.0	ug/L	08/23/1999 14:05	
Dibromochloromethane	ND	0.5	ug/L	08/23/1999 14:05	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/23/1999 14:05	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/23/1999 14:05	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/23/1999 14:05	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	08/23/1999 14 05	
1,2-Dibromoethane	ND	0.5	ug/L	08/23/1999 14:05	
Dibromomethane	ND	0.5	ug/L	08/23/1999 14:05	
Dichlorodifluoromethane	ND	0.5	ug/L	08/23/1999 14:05	
1,1-Dichloroethane	ND	0.5	ug/L	08/23/1999 14:05	
1,2-Dichloroethane	ND	0.5	ug/L	08/23/1999 14:05	
1,1-Dichloroethene	ND	0.5	ug/L	08/23/1999 14:05	
1,2-Dichloroethene (cis)	ND	0.5	ug/L	08/23/1999 14:05	
1,2-Dichloroethene (trans)	ND	0.5	ug/L	08/23/1999 14:05	
1,2-Dichloropropane	ND	0.5	ug/L	08/23/1999 14:05	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/23/1999 14:05	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/23/1999 14:05	
Ethylbenzene	ND	0.5	ug/L	08/23/1999 14:05	
2-Hexanone	ND	50	ug/L	08/23/1999 14:05	

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

Test Method: 8260A
Prep Method: 5030

REVISED

Batch QC Report
Volatile Organic Compounds

Method Blank | Water | **QC Batch # 1999/08/23-01.27**

MB: 1999/08/23-01.27-001 | Date Extracted 08/23/1999 14:05

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Methylene chloride	ND	5.0	ug/L	08/23/1999 14:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/23/1999 14:05	
Naphthalene	ND	1.0	ug/L	08/23/1999 14:05	
Styrene	ND	0.5	ug/L	08/23/1999 14:05	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/23/1999 14:05	
Tetrachloroethene	ND	0.5	ug/L	08/23/1999 14:05	
Toluene	ND	0.5	ug/L	08/23/1999 14:05	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/23/1999 14:05	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/23/1999 14:05	
Trichloroethene	ND	0.5	ug/L	08/23/1999 14:05	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/23/1999 14:05	
Vinyl acetate	ND	5.0	ug/L	08/23/1999 14:05	
Vinyl chloride	ND	0.5	ug/L	08/23/1999 14:05	
Total xylenes	ND	1.0	ug/L	08/23/1999 14:05	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/23/1999 14:05	
Carbon disulfide	ND	1.0	ug/L	08/23/1999 14:05	
Isopropylbenzene	ND	0.5	ug/L	08/23/1999 14:05	
Bromobenzene	ND	0.5	ug/L	08/23/1999 14:05	
Bromochloromethane	ND	1.0	ug/L	08/23/1999 14:05	
Trichlorofluoromethane	ND	2.0	ug/L	08/23/1999 14:05	
MTBE	ND	5.0	ug/L	08/23/1999 14:05	
Surrogate(s)					
4-Bromofluorobenzene	106.0	86-115	%	08/23/1999 14:05	
1,2-Dichloroethane-d4	86.4	76-114	%	08/23/1999 14:05	
Toluene-d8	92.4	88-110	%	08/23/1999 14:05	

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

Test Method: 8260A
Prep Method: 5030

REVISED

Batch QC Report
Volatile Organic Compounds

Method Blank | Water | **QC Batch # 1999/08/29-01.27**

MB: 1999/08/29-01.27-001 | Date Extracted: 08/29/1999 15:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	08/29/1999 15:30	
Benzene	ND	0.5	ug/L	08/29/1999 15:30	
Bromodichloromethane	ND	0.5	ug/L	08/29/1999 15:30	
Bromoform	ND	0.5	ug/L	08/29/1999 15:30	
Bromomethane	ND	1.0	ug/L	08/29/1999 15:30	
Carbon tetrachloride	ND	0.5	ug/L	08/29/1999 15:30	
Chlorobenzene	ND	0 5	ug/L	08/29/1999 15:30	
Chloroethane	ND	1 0	ug/L	08/29/1999 15:30	
2-Butanone(MEK)	ND	50	ug/L	08/29/1999 15:30	
2-Chloroethylvinyl ether	ND	0.5	ug/L	08/29/1999 15:30	
Chloroform	ND	0.5	ug/L	08/29/1999 15:30	
Chloromethane	ND	1.0	ug/L	08/29/1999 15:30	
Dibromochloromethane	ND	0 5	ug/L	08/29/1999 15:30	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/29/1999 15:30	
1,3-Dichlorobenzene	ND	0 5	ug/L	08/29/1999 15:30	
1,4-Dichlorobenzene	ND	0 5	ug/L	08/29/1999 15:30	
1,2-Dibromo-3-chloropropane	ND	5 0	ug/L	08/29/1999 15:30	
1,2-Dibromoethane	ND	0 5	ug/L	08/29/1999 15.30	
Dibromomethane	ND	0 5	ug/L	08/29/1999 15:30	
Dichlorodifluoromethane	ND	0 5	ug/L	08/29/1999 15:30	
1,1-Dichloroethane	ND	0 5	ug/L	08/29/1999 15:30	
1,2-Dichloroethane	ND	0 5	ug/L	08/29/1999 15:30	
1,1-Dichloroethene	ND	0 5	ug/L	08/29/1999 15.30	
1,2-Dichloroethene (cis)	ND	0 5	ug/L	08/29/1999 15:30	
1,2-Dichloroethene (trans)	ND	0 5	ug/L	08/29/1999 15:30	
1,2-Dichloropropane	ND	0 5	ug/L	08/29/1999 15:30	
cis-1,3-Dichloropropene	ND	0 5	ug/L	08/29/1999 15:30	
trans-1,3-Dichloropropene	ND	0 5	ug/L	08/29/1999 15:30	
Ethylbenzene	ND	0.5	ug/L	08/29/1999 15.30	
2-Hexanone	ND	50	ug/L	08/29/1999 15:30	

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

Test Method: 8260A
Prep Method: 5030

REVISED

Batch QC Report
Volatile Organic Compounds

Method Blank | Water | **QC Batch # 1999/08/29-01.27**

MB: 1999/08/29-01.27-001 | Date Extracted: 08/29/1999 15:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Methylene chloride	ND	5.0	ug/L	08/29/1999 15:30	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/29/1999 15:30	
Naphthalene	ND	1.0	ug/L	08/29/1999 15:30	
Styrene	ND	0.5	ug/L	08/29/1999 15:30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/29/1999 15:30	
Tetrachloroethene	ND	0.5	ug/L	08/29/1999 15:30	
Toluene	ND	0.5	ug/L	08/29/1999 15:30	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/29/1999 15:30	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/29/1999 15:30	
Trichloroethene	ND	0.5	ug/L	08/29/1999 15:30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/29/1999 15:30	
Vinyl acetate	ND	5.0	ug/L	08/29/1999 15:30	
Vinyl chloride	ND	0.5	ug/L	08/29/1999 15:30	
Total xylenes	ND	1.0	ug/L	08/29/1999 15:30	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/29/1999 15:30	
Carbon disulfide	ND	1.0	ug/L	08/29/1999 15:30	
Isopropylbenzene	ND	0.5	ug/L	08/29/1999 15:30	
Bromobenzene	ND	0 5	ug/L	08/29/1999 15:30	
Bromochloromethane	ND	1.0	ug/L	08/29/1999 15:30	
Trichlorofluoromethane	ND	2.0	ug/L	08/29/1999 15 30	
Surrogate(s)					
4-Bromofluorobenzene	104.4	86-115	%	08/29/1999 15 30	
1,2-Dichloroethane-d4	76.8	76-114	%	08/29/1999 15 30	
Toluene-d8	93.2	88-110	%	08/29/1999 15:30	

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

Test Method: 8260A
Prep Method: 5030

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Batch QC Report

Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) — Water — QC Batch # **1999/08/23-01.27**

LCS: 1999/08/23-01.27-002 Extracted: 08/23/1999 12:38 Analyzed: 08/23/1999 12:38
LCSD: 1999/08/23-01.27-003 Extracted: 08/23/1999 13:27 Analyzed: 08/23/1999 13:27

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	45.8	43.7	50.0	50.0	91.6	87.4	4.7	69-129	20		
Chlorobenzene	53.7	52.7	50.0	50.0	107.4	105.4	1.9	61-121	20		
1,1-Dichloroethene	37.4	38.6	50.0	50.0	74.8	77.2	3.2	65-125	20		
Toluene	44.6	43.6	50.0	50.0	89.2	87.2	2.3	70-130	20		
Trichloroethene	43 1	42 3	50.0	50.0	86.2	84.6	1.9	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	516	531	500	500	103.2	106.2		86-115			
1,2-Dichloroethane-d4	406	415	500	500	81.2	83 0		76-114			
Toluene-d8	455	456	500	500	91.0	91.2		88-110			

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

Test Method: 8260A REVISED
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 1999/08/29-01.27**

LCS: 1999/08/29-01.27-002 Extracted: 08/29/1999 14.02 Analyzed: 08/29/1999 14:02

LCSD: 1999/08/29-01.27-003 Extracted. 08/29/1999 14.52 Analyzed: 08/29/1999 14:52

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	47.4	46.9	50.0	50.0	94 8	93.8	1.1	69-129	20		
Chlorobenzene	52.8	52.6	50.0	50.0	105.6	105.2	0.4	61-121	20		
1,1-Dichloroethene	34.5	34.5	50.0	50 0	69.0	69.0	0.0	65-125	20		
Toluene	45.0	45.3	50.0	50 0	90.0	90.6	0.7	70-130	20		
Trichloroethene	44.5	43.2	50.0	50.0	89 0	86 4	3.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	519	530	500	500	103.8	106 0		86-115			
1,2-Dichloroethane-d4	431	423	500	500	86 2	84.6		76-114			
Toluene-d8	452	476	500	500	90.4	95.2		88-110			

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

Test Method: 8260A
Prep Method: 5030

REVISED

Legend & Notes

Volatile Organic Compounds

Analysis Flags

lrn

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

97.08 0802 47486

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.) 925-820-9391

PROJECT NAME Oakland Tank Top JOB NO

ADDRESS San Leandro Ave, Oakland, CA DATE 8-16-99

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-GASOLINE (EPA 5030/8015)	TPH-DIESEL & MO (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)				COMPOSITE
MW-1			-																			
MW-2	8-16-99		water	15		X	X			X	X		X		X							
MW-3	8-16-99		water	7		X	X															
MW-4	8-16-99		water	15		X	X			X	X		X		X							

RELINQUISHED BY: Ian T Reed 1600 (signature) (time)
Ian T Reed 8-16-99 (printed name) (date)
Company- ASE

RECEIVED BY: B Morra (signature) (time) 1615
B Morra (printed name) (date) 8-17-99
Company-

RELINQUISHED BY: B Morra (signature) (time) 1551
B Morra (printed name) (date) 8-17-99
Company-

RECEIVED BY LABORATORY: Denise Harrington (signature) (time)
D. Harrington 1551 (printed name) (date)
Company- Chromalab 8/17/99

COMMENTS:
3.8
5 day TAT