aqua science engineers inc.

December 7, 2000

#1585

QUARTERLY GROUNDWATER MONITORING REPORT
OCTOBER 2000 GROUNDWATER SAMPLING
at
Lim Family Property
250 8th Street
Oakland, California

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

1.0 INTRODUCTION

This report outlines the methods and findings of Aqua Science Engineers, Inc. (ASE)'s quarterly groundwater monitoring at the Lim family property located at 250 8th Street in Oakland, California *(Figures 1 and 2).*

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On October 24, 2000, ASE associate geologist Ian Reed measured the depth to water in each site well using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons or sheen was present on the surface of water in monitoring wells MW-1 and MW-4. Monitoring well MW-2 contained a hydrocarbon sheen. Monitoring well MW-3 contained 0.21-feet of free-floating hydrocarbons. Injection well IW-5 contained 0.28-feet of free-floating hydrocarbons this quarter. Groundwater elevation data is presented in Table One.

A groundwater elevation (potentiometric surface) contour map is shown as Figure 2. The groundwater flow direction at the site is generally to the southwest at a gradient of 0.013 feet/foot.

3.0 MONITORING WELL SAMPLING

On October 24, 2000, ASE associate geologist Ian Reed collected groundwater samples from monitoring wells MW-1, MW-2, and MW-4 for analysis. Monitoring well MW-3 contained 0.21-feet of free-floating hydrocarbons and therefore was not sampled this quarter. Prior to sampling, the remaining wells were purged of four well casing volumes of groundwater using dedicated polyethylene bailers. The pH, temperature and conductivity of the purge water were monitored during evacuation, and samples were not collected until these parameters stabilized. Samples were collected from each well using dedicated polyethylene bailers. The groundwater samples analyzed for volatile compounds were decanted from the bailers into 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, sealed without headspace, labeled, and placed in protective foam sleeves. The samples to be analyzed for extractable range hydrocarbons were contained in 1-liter amber glass bottles. All samples were stored on ice for transport to Chromalab, Inc. of Pleasanton, California under chain of custody. Well sampling purge water was contained in sealed and labeled 55-gallon steel drums and left

on-site for temporary storage until off-site disposal can be arranged. See Appendix A for a copy of the well sampling field logs.

4.0 ANALYTICAL RESULTS FOR GROUNDWATER

All groundwater samples were analyzed by Chromalab for total petroleum hydrocarbons as gasoline (TPH-G) by modified EPA Method 5030/8015M, total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 3510/8015M, benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020. The groundwater samples collected from monitoring wells MW-2 and MW-4 were also analyzed for oil and grease (O&G) by Standard Method 5520. The groundwater samples collected from monitoring wells MW-1 and MW-2 were also analyzed for halogenated volatile organic compounds (HVOCs) by EPA Method 8010. The groundwater samples collected from monitoring well MW-4 were analyzed for volatile organic compounds (VOCs) by EPA Method 8260. The analytical results are tabulated in Tables Two and Three, and copies of the certified analytical report and chain of custody form are included in Appendix B.

5.0 CONCLUSIONS AND RECOMMENDATION

Overall, the hydrocarbon concentrations were similar to previous quarters sampling results. There are still no obvious increasing or decreasing trends in hydrocarbon concentrations present either long or short term. Hydrocarbon concentrations still remain highly elevated in the downgradient monitoring wells MW-2 and MW-4.

The BTEX concentrations in groundwater samples collected from monitoring wells MW-2 and MW-4 exceeded the Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water.

The free-floating product in monitoring well MW-3 and injection well IW-5 is currently measured and bailed twice a month. ASE will be install additional groundwater monitoring wells for this project in January 2001.

ASE recommends that a passive hydrocarbon recovery skimmer be installed in monitoring well MW-3 and injection well IW-5 to assist in the recovery of free-floating hydrocarbons at the site.

6.0 REPORT LIMITATIONS

The results of this investigation represent conditions at the time of the groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from unknown sources, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-EPA certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to assist The Lim Family with their environmental needs. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Ian Reed
Associate Geologist

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

Attachments: Figures 1 and 2
Appendices A and B

TABLE ONE
Groundwater Elevation Data

Well I.D.	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Product Thickness (feet)	Groundwater Elevation (msl)
IW-1	07/13/99	24.05	14.75		9.30
IW-2	07/13/99	24.21	15.10		9.11
IW-3	07/13/99	23.93	15.00		8.93
IW-4	07/13/99	23.83	Unknown		Unknown
IW-5	07/13/99	24.00	15.50	1.00	8.50*
	07/23/99		15.52	1.05	9.32*
	08/03/99		15.58	0.64	8.93*
	08/17/99		15.62	0.86	9.07*
	08/27/99		15.92	0.77	8.70*
	09/10/99		15.82	0.56	8.63*
	09/24/99		15.57	0.26	8.64*
	10/08/99		15.56	0.23	8.62*
	11/02/99		15.59	0.22	8.59*
	11/19/99		15.64	0.07	8.42*
	12/16/99		16.12	0.64	8.39*
	01/12/00		16.54	0.28	7.68*
LUM-1	07/14/95	23.42	Unknown		Unknown
	10/17/95		18.21	1.53	6.43*
	01/12/96		18.15	1.35	6.35*
	07/25/96		18.08	2.36	7.23*
	01/06/97		Unknown		Unknown
	07/08/97		Unknown		Unknown
	02/20/98		10.03	2.19	15.13*
	01/05/99		16.71	1.09	7.58*
LUM-2	07/14/95	23.98	17.21		6.77
	10/17/95		17.67		6.31
	01/12/96		17.89	0.01	6.10*
	07/25/96		16.94		7.04
	01/06/97		14.35		9.63
	07/08/97		17.32		6.66
	02/20/98		10.84		13.14
	01/05/99		16.51		7.47

Notes:

* = Adjusted for the presence of free-floating oil by the equation:
Top of Casing Elevation - Depth to Water + (0.8 x Floating Hydrocarbon Thickness) = Groundwater Elevation (Adjusted).

TABLE TWO

Summary of Chemical Analysis of Groundwater Samples
Petroleum Hydrocarbon Concentrations
All results are in parts per billion

Well/ Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1							
01/30/95	740	200	3	5	1	4	--
04/12/95	400	500	< 0.5	< 0.5	3	< 2	--
07/14/95	520	400	1	< 0.5	2	3	--
10/17/95	400	200	0.5	1	3	< 2	--
01/12/96	120	890	< 0.5	< 0.5	< 0.5	< 1.0	< 2.0
07/08/96	320	300	0.52	2.7	1.2	2.3	< 5.0
01/06/97	110	75	< 0.5	0.68	< 0.5	< 0.5	< 5.0
07/08/97	380	290	< 0.5	1.5	1.4	1.9	< 5.0
01/26/98	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
07/23/98	190	< 50	0.54	2.8	2	1.8	< 5.0
01/05/99	200	< 50	1.8	1.6	3.3	< 0.5	< 5.0
07/13/99	340	<50	<0.5	<0.5	2.6	<0.5	< 5.0
01/12/00	300	1,000	22	36	5.5	24	< 5.0
04/24/00	360	280*	< 0.5	< 0.5	< 0.5	2.1	< 5.0
07/20/00	290	150*	1.8	< 0.5	< 0.5	< 0.5	< 5.0
10/24/00	**170****	**280***	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**< 5.0**
MW-2							
01/30/95	88,000	800	19,000	18,000	2,400	10,000	--
04/12/95	110,000	990	21,000	28,000	2,800	14,000	--
07/14/95	120,000	5,000	20,000	25,000	3,200	15,000	--
10/17/95	190,000	4,000	15,000	26,000	4,900	23,000	--
01/12/96	32,000	2,600	10,000	8,000	1,100	4,800	< 2
07/08/96	110,000	2,500	20,000	18,000	2,500	12,000	< 500
01/06/97	230,000	37,000	11,000	19,000	4,300	20,000	< 1,200
07/08/97	91,000	35,000	16,000	20,000	2,700	13,000	< 1,000
01/26/98	50,000	11,000	12,000	12,000	1,600	6,700	< 250
07/23/98	50,000	8,100#	11,000	8,300	1,800	7,000	1,100
01/05/99	50,000	7,600#	12,000	12,000	2,300	9,600	1,300
07/13/99	73,000	8,500	11,000	13,000	2,200	9,800	< 500
01/12/00	63,000	11,000	10,000	12,000	1,800	7,800	< 500
04/24/00	76,000	23,000*	7,100	14,000	2,000	9,400	< 500
07/20/00	68,000	5,300#	11,000	14,000	2,300	11,000	< 1,000
10/24/00	**48,000**	**6,400***	**11,000**	**9,400**	**1,500**	**7,300**	**< 500**

TABLE TWO

Summary of Chemical Analysis of Groundwater Samples
Petroleum Hydrocarbon Concentrations
All results are in parts per billion

Well/ Date Sampled	TPH Gasoline	TPH Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-3							
01/12/00	140,000	13,000*	22,000	19,000	2,400	11,000	< 500
04/24/00	240,000	700,000*	33,000/ 35,000	52,000/ 87,000	5,700/ 18,000	28,000/ 84,000	< 5,000
07/20/00	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
10/24/00	**NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS**						
MW-4							
01/12/00	99,000	7,900*	16,000	20,000	2,100	12,000	< 2,500
04/24/00	54,000	44,000*	3,400/ 4,500	13,000/ 20,000	1,800/ 2,800	8,800/ 14,000	< 1,300
07/20/00	8,000	3,500	9,200/ 11,000	20,000 22,000	2,500 3,400	12,000/ 13,000	< 1,000
10/24/00	**98,000**	**8,000***	**21,000**	**29,000**	**2,700**	**15,000**	**< 1,000**
DHS MCL	NE	NE	1	150	700	1,750	13
EPA METHOD	5030/ 8015M	3550/ 8015M	8020/ 8260	8020/ 8260	8020/ 8260	8020/ 8260	8020

Notes:

* = Hydrocarbon reported is in the early diesel range, and does not match the laboratory standard.

** = Hydrocarbon reported does not match the laboratory gas standard.

= Estimated concentration reported due to overlapping fuel patterns.

Non-detectable concentrations noted by the less than sign (<) followed by the detection limit. Most recent data in bold.

TABLE THREE

Groundwater Analytical Results
Oil & Grease and Volatile Organic Compounds
All results are in parts per billion

Date Sampled & Compound Analyzed	MW-1	MW-2	MW-3	MW-4
7/8/97				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethane (PCE)	0.9	< 0.5	-	-
Other VOCs	< 0.5 - < 3	< 0.5 - < 3	-	-
1/26/98				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Trichloroethene	0.7	< 5.0	-	-
Tetrachloroethene	10	< 5.0	-	-
1,2-Dichloroethane	< 0.5	11	-	-
Other VOCs	< 0.5 - < 50	< 0.5 - < 50	-	-
7/23/98				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethene	4	4.6	-	-
1,2-Dichloroethane	< 2	9.9	-	-
Other VOCs	< 2 - < 10	< 0.5 - < 5.0	-	-
1/5/99				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethene	5.1	< 50	-	-
Trichloroethene	0.52	< 50	-	-
1,1,2,2-Tetrachloroethane	0.58	< 50	-	-
Chloroform	8.2	< 50	-	-
Other VOCs	< 0.5 - < 5	< 50 - < 500	-	-

TABLE THREE

Groundwater Analytical Results
Oil & Grease and Volatile Organic Compounds
All results are in parts per billion

Date Sampled & Compound Analyzed	MW-1	MW-2	MW-3	MW-4
7/13/99				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethene	1.5	0.68	-	-
Trichloroethene	< 0.5	< 50	-	-
1,1,2,2-Tetrachloroethane	< 0.5	< 50	-	-
Chloroform	4.6	< 50	-	-
1,2-Dichloroethane	<0.50	7.7	-	-
Other VOCs	< 0.5 - < 5	< 0.5 - < 500	-	-
1/12/00				
Hydrocarbon Oil and Grease	---	< 1,000	< 1,000	< 1,000
Tetrachloroethene	0.8	< 1.0	< 100	< 50
Trichloroethene	<0.50	< 1.0	< 100	< 50
1,1,2,2 - Tetrachloroethane	<0.50	< 1.0	< 100	< 50
Chloroform	3.2	< 1.0	< 100	< 50
1,2-Dichloroethane	<0.50	8.8	120	140
Acetone	---	---	25,000	6,400
Naphthalene	---	---	550	540
Isopropylbenzene	---	---	120	89
Other VOCs	< 0.5 - < 5.0	< 1.0 - < 4.0	< 100 - < 10,000	< 50 - < 5,000

TABLE THREE

Groundwater Analytical Results
Oil & Grease and Volatile Organic Compounds
All results are in parts per billion

Date Sampled & Compound Analyzed	MW-1	MW-2	MW-3	MW-4
4/24/00				
Hydrocarbon Oil and Grease	---	< 1.0	4.1	< 1.0
Tetrachloroethene	< 0.5	< 5.0	< 1,000	< 250
Trichloroethene	< 0.5	< 5.0	< 1,000	< 250
1,1,2,2 - Tetrachloroethane	< 0.5	< 5.0	< 1,000	< 250
Chloroform	< 0.5	< 5.0	< 1,000	< 250
1,2-Dichloroethane	< 0.5	5.9	< 1,000	< 250
Acetone	---	---	< 100,000	< 25,000
Naphthalene	---	---	3,800	590
Isopropylbenzene	---	---	1,200	< 250
Other VOCs	< 0.5 - < 5.0	< 5.0 - < 20	: 1,000 - < 100,00	< 250 - < 25,000
7/20/00				
Hydrocarbon Oil and Grease	---	< 1.0		< 1.0
Tetrachloroethene	0.59	< 5.0		< 200
Trichloroethene	< 0.5	< 5.0	FREE	< 200
1,1,2,2 - Tetrachloroethane	< 0.5	< 5.0	PRODUCT	< 200
Chloroform	2.1	< 5.0	---	< 200
1,2-Dichloroethane	< 0.5	6.7	NOT	< 200
Acetone	---	---	SAMPLED	< 20,000
Naphthalene	---	---		730
Isopropylbenzene	---	---		< 200
Other VOCs	< 0.5 - < 20	< 5.0 - < 20		< 250 - < 20,000

TABLE THREE

Groundwater Analytical Results
Oil & Grease and Volatile Organic Compounds
All results are in parts per billion

Date Sampled & Compound Analyzed	MW-1	MW-2	MW-3	MW-4
10/24/00				
Hydrocarbon Oil and Grease	---	1.0		< 1.0
Tetrachloroethene	< 0.5	< 5.0		< 250
Trichloroethene	< 0.5	< 5.0	FREE	< 250
1,1,2,2 - Tetrachloroethane	< 0.5	< 5.0	PRODUCT	< 250
Chloroform	1.0	< 5.0	---	< 250
1,2-Dichloroethane	< 0.5	< 5.0	NOT	< 250
Acetone	---	---	SAMPLED	< 25,000
Naphthalene	---	---		< 2,500
Isopropylbenzene	---	---		< 250
Other VOCs	< 0.5 - < 20	< 5.0 - < 20		< 250 - < 25,000

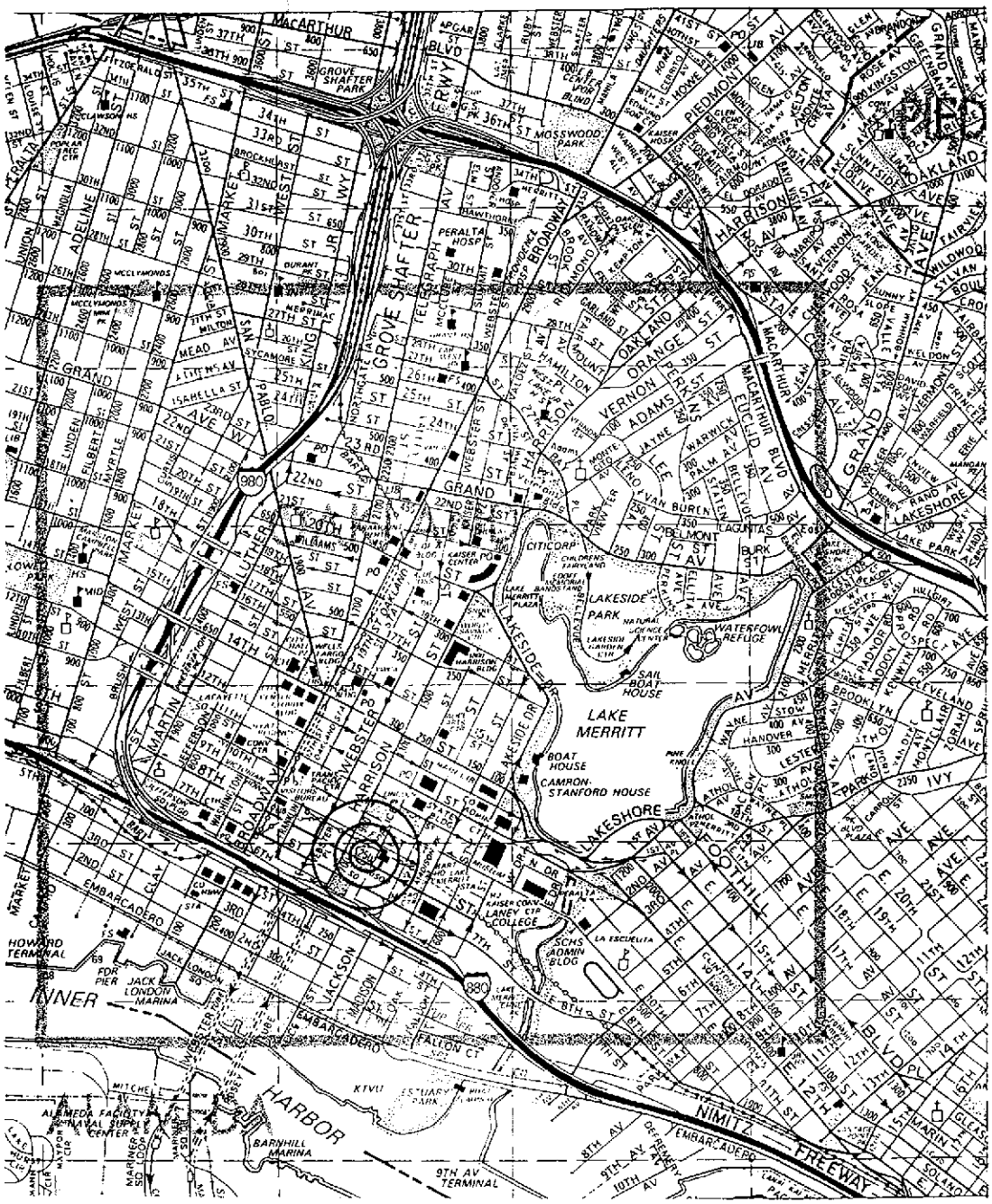
TABLE THREE

Groundwater Analytical Results

Oil & Grease and Volatile Organic Compounds

All results are in parts per billion

Date Sampled & Compound Analyzed	MW-1	MW-2	MW-3	MW-4
10/24/00				
Hydrocarbon Oil and Grease	**---**	**1.0**		**< 1.0**
Tetrachloroethene	**< 0.5**	**< 5.0**		**< 250**
Trichloroethene	**< 0.5**	**< 5.0**	**FREE**	**< 250**
1,1,2,2 - Tetrachloroethane	**< 0.5**	**< 5.0**	**PRODUCT**	**< 250**
Chloroform	**1.0**	**< 5.0**	**---**	**< 250**
1,2-Dichloroethane	**< 0.5**	**< 5.0**	**NOT**	**< 250**
Acetone	**---**	**---**	**SAMPLED**	**< 25,000**
Naphthalene	**---**	**---**		**< 2,500**
Isopropylbenzene	**---**	**---**		**< 250**
Other VOCs	**< 0.5 - < 20**	**< 5.0 - < 20**		**< 250 - < 25,000**

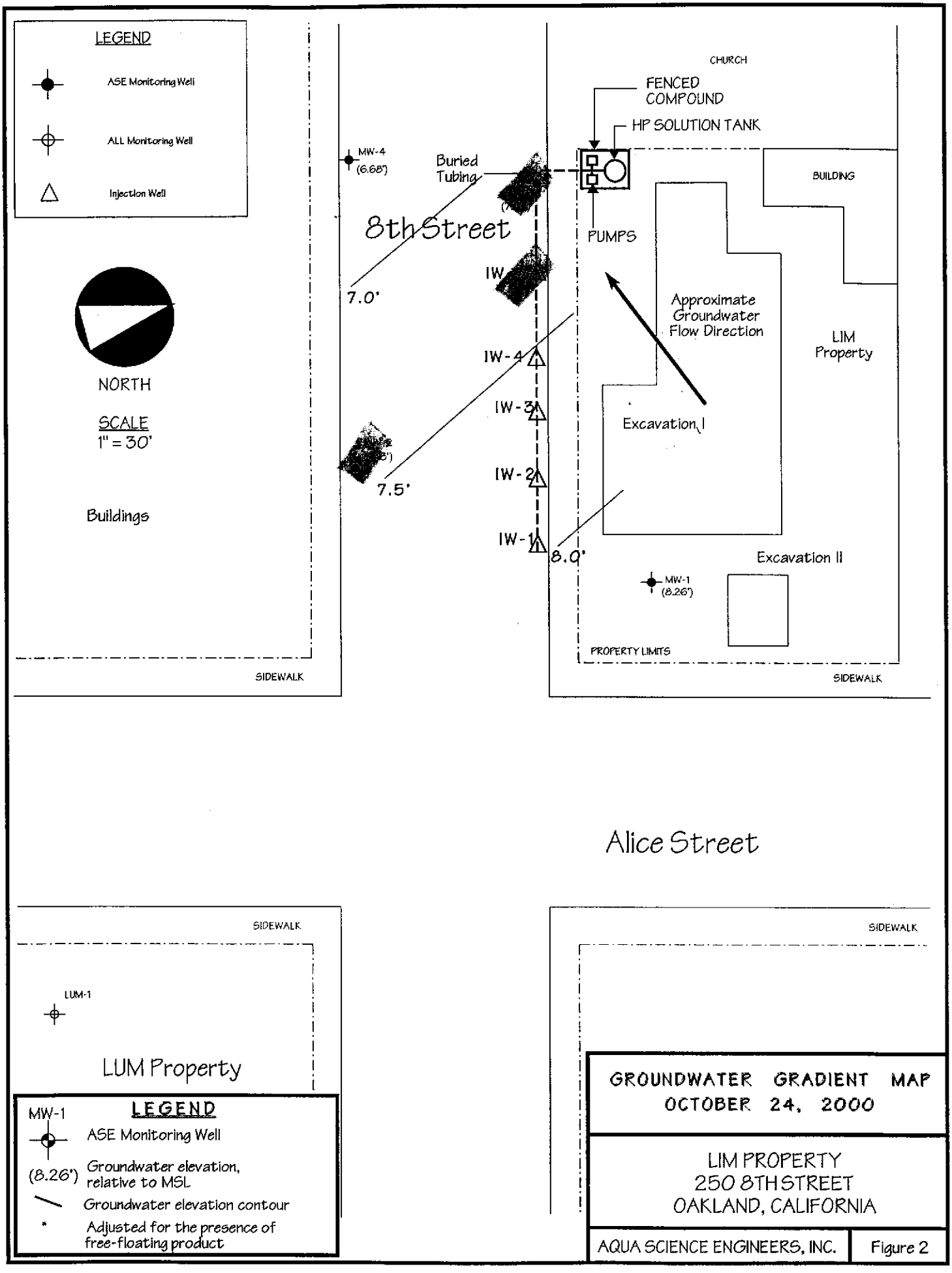


SITE LOCATION MAP

Lim Property
250 8th Street
Oakland, California

Aqua Science Engineers | Figure 1

BASE: The Thomas Guide, Alameda and Contra Costa Counties Street Guide & Directory, 1990



GROUNDWATER GRADIENT MAP
OCTOBER 24, 2000

LIM PROPERTY
250 8TH STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 2

APPENDIX A

Well Sampling Field Log

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WELL SAMPLING FIELD LOG

Project Name and Address: LTM
Job #: 2808 Date of sampling: 10-24-00
Well Name: MW-1 Sampled by: ITR
Total depth of well (feet): 26.78 Well diameter (inches): 2"
Depth to water before sampling (feet): 17.25
Thickness of floating product if any: —
Depth of well casing in water (feet): 9.53
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): 6.4
Equipment used to purge the well: disp. bailer
Time Evacuation Began: 1050 Time Evacuation Finished: 1100
Approximate volume of groundwater purged: 6.5
Did the well go dry?: no After how many gallons: -
Time samples were collected: 1105
Depth to water at time of sampling: 17.94
Percent recovery at time of sampling: 98%
Samples collected with: disp. bailer
Sample color: clear Odor: v. slight HC odor
Description of sediment in sample: fine silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity (µS)
1	21.4	5.63	20
2	21.6	5.62	20
3	21.6	5.62	20
4	21.5	5.63	30

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-1	3	40ml VOA	✓	✓	
	2	1-Lit Amber		✓	

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WELL SAMPLING FIELD LOG

Project Name and Address: L/M
Job #: 2808 Date of sampling: 10-24-00
Well Name: MW-2 Sampled by: TE
Total depth of well (feet): 26.78 Well diameter (inches): 2"
Depth to water before sampling (feet): 16.56
Thickness of floating product if any: sheen
Depth of well casing in water (feet): 10.22
Number of gallons per well casing volume (gallons): 1.7
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 6.9
Equipment used to purge the well: disp. bailer
Time Evacuation Began: 1150 Time Evacuation Finished: 1210
Approximate volume of groundwater purged: 7
Did the well go dry?: NO After how many gallons: -
Time samples were collected: 1215
Depth to water at time of sampling: 17.36
Percent recovery at time of sampling: 95%
Samples collected with: disp. bailer
Sample color: gray Odor: med. HC odor
Description of sediment in sample: Fsilt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity (µS)
1	27.8	7.01	30
2	27.9	7.01	30
3	27.8	6.99	40
4	27.7	6.99	30

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-2	3	40 ml VOA			
	2	1 L AG			

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: L/M
Job #: 2806 Date of sampling: 10/24
Well Name: MW-3 Sampled by: ITR
Total depth of well (feet): _____ 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: _____

NOT SAMPLED FREE PRODUCT

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity

SAMPLES COLLECTED

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

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aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: L/M
Job #: 2808 Date of sampling: 10/24/00
Well Name: MW-4 Sampled by: TR
Total depth of well (feet): 26.60 Well diameter (inches): 2"
Depth to water before sampling (feet): 17.03'
Thickness of floating product if any: —
Depth of well casing in water (feet): 9.57
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): 6.4
Equipment used to purge the well: ded bailer
Time Evacuation Began: 1120 Time Evacuation Finished: 1130
Approximate volume of groundwater purged: 6.5
Did the well go dry?: no After how many gallons: —
Time samples were collected: 1135
Depth to water at time of sampling: 18.29
Percent recovery at time of sampling: 93%
Samples collected with: ded. bailer
Sample color: clear/gray Odor: mod HC odor
Description of sediment in sample: Silt and f. sand

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity (MS)
1	23.1	5.19	40
2	23.2	5.23	40
3	23.2	5.23	40
4	23.2	5.19	40

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	3	40ml VOA	✓	✓	
	2	1-liter Amber		✓	

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: 2808
Lim

Dear Mr. Reed,

Attached is our report for your samples received on Wednesday October 25, 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 December 9, 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 #: 2000-10-0536

Oil & Grease (Total) by EPA 1664

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 #: 2808

Project: Lim

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	10/24/2000 12:15	2
MW-4	Water	10/24/2000 11:35	3

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

Test Method: 1664
Prep Method: 1664

Oil & Grease (Total) by EPA 1664

Sample ID:	**MW-2**	Lab Sample ID:	**2000-10-0536-002**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	10/27/2000 15:35
Sampled:	10/24/2000 12:15	QC-Batch:	2000/10/27-01.23
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	1.0	1.0	mg/L	1.00	10/30/2000	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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

Test Method: 1664
Prep Method: 1664

Oil & Grease (Total) by EPA 1664

Sample ID:	**MW-4**	Lab Sample ID:	**2000-10-0536-003**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	10/27/2000 15:35
Sampled:	10/24/2000 11:35	QC-Batch:	2000/10/27-01.23
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	10/30/2000	

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

Test Method: 1664
Prep Method: 1664

Batch QC Report
Oil & Grease (Total) by EPA 1664

Method Blank | Water | **QC Batch # 2000/10/27-01.23**

MB: 2000/10/27-01.23-001 | Date Extracted: 10/27/2000

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	10/30/2000	

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

Test Method: 1664
Prep Method: 1664

Batch QC Report

Oil & Grease (Total) by EPA 1664

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2000/10/27-01.23**
LCS:	2000/10/27-01.23-002	Extracted: 10/27/2000	Analyzed	10/30/2000
LCSD:	2000/10/27-01.23-003	Extracted: 10/27/2000	Analyzed	10/30/2000

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Oil & Grease (total)	40.0	39.9	40.0	40.0	100.0	99.8	0.2	80-120	20		

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

Halogenated 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 #: 2808 Project: Lim

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/24/2000 11:05	1
MW-2	Water	10/24/2000 12:15	2

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-1**	Lab Sample ID:	**2000-10-0536-001**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	11/02/2000 18:10
Sampled:	10/24/2000 11:05	QC-Batch:	2000/11/02-01.26
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	11/02/2000 18:10	
Vinyl chloride	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Chloroethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Methylene chloride	ND	5.0	ug/L	1.00	11/02/2000 18:10	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Chloroform	1.0	0.50	ug/L	1.00	11/02/2000 18:10	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Carbon tetrachloride	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Trichloroethene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Bromodichloromethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	11/02/2000 18:10	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Tetrachloroethene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Dibromochloromethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Chlorobenzene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Bromoform	ND	2.0	ug/L	1.00	11/02/2000 18:10	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	11/02/2000 18:10	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	11/02/2000 18:10	
Chloromethane	ND	1.0	ug/L	1.00	11/02/2000 18:10	
Bromomethane	ND	1.0	ug/L	1.00	11/02/2000 18:10	
Surrogate(s)						
1-Chloro-2-fluorobenzene	74.9	50-150	%	1.00	11/02/2000 18:10	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**2000-10-0536-002**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	11/02/2000 18:55
Sampled:	10/24/2000 12:15	QC-Batch:	2000/11/02-01.26
Matrix:	Water		

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

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/L	10.00	11/02/2000 18:55	
Vinyl chloride	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Chloroethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Trichlorofluoromethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Methylene chloride	ND	50	ug/L	10.00	11/02/2000 18:55	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Chloroform	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Carbon tetrachloride	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,2-Dichloroethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Trichloroethene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,2-Dichloropropane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Bromodichloromethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10.00	11/02/2000 18:55	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Tetrachloroethene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Dibromochloromethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Chlorobenzene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Bromoform	ND	20	ug/L	10.00	11/02/2000 18:55	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,3-Dichlorobenzene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,4-Dichlorobenzene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
1,2-Dichlorobenzene	ND	5.0	ug/L	10.00	11/02/2000 18:55	
Trichlorotrifluoroethane	ND	20	ug/L	10.00	11/02/2000 18:55	
Chloromethane	ND	10	ug/L	10.00	11/02/2000 18:55	
Bromomethane	ND	10	ug/L	10.00	11/02/2000 18:55	
Surrogate(s)						
1-Chloro-2-fluorobenzene	79.2	50-150	%	1.00	11/02/2000 18:55	

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

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/11/02-01.26**

MB: 2000/11/02-01.26-001 | Date Extracted: 11/02/2000 05:07

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	11/02/2000 05:07	
Vinyl chloride	ND	0.5	ug/L	11/02/2000 05:07	
Chloroethane	ND	0.5	ug/L	11/02/2000 05:07	
Trichlorofluoromethane	ND	0.5	ug/L	11/02/2000 05:07	
1,1-Dichloroethene	ND	0.5	ug/L	11/02/2000 05:07	
Methylene chloride	ND	5.0	ug/L	11/02/2000 05:07	
trans-1,2-Dichloroethene	ND	0.5	ug/L	11/02/2000 05:07	
cis-1,2-Dichloroethene	ND	0.5	ug/L	11/02/2000 05:07	
1,1-Dichloroethane	ND	0.5	ug/L	11/02/2000 05:07	
Chloroform	ND	0.5	ug/L	11/02/2000 05:07	
1,1,1-Trichloroethane	ND	0.5	ug/L	11/02/2000 05:07	
Carbon tetrachloride	ND	0.5	ug/L	11/02/2000 05:07	
1,2-Dichloroethane	ND	0.5	ug/L	11/02/2000 05:07	
Trichloroethene	ND	0.5	ug/L	11/02/2000 05:07	
1,2-Dichloropropane	ND	0.5	ug/L	11/02/2000 05:07	
Bromodichloromethane	ND	0.5	ug/L	11/02/2000 05:07	
2-Chloroethylvinyl ether	ND	0.5	ug/L	11/02/2000 05:07	
trans-1,3-Dichloropropene	ND	0.5	ug/L	11/02/2000 05:07	
cis-1,3-Dichloropropene	ND	0.5	ug/L	11/02/2000 05:07	
1,1,2-Trichloroethane	ND	0.5	ug/L	11/02/2000 05:07	
Tetrachloroethene	ND	0.5	ug/L	11/02/2000 05:07	
Dibromochloromethane	ND	0.5	ug/L	11/02/2000 05:07	
Chlorobenzene	ND	0.5	ug/L	11/02/2000 05:07	
Bromoform	ND	2.0	ug/L	11/02/2000 05:07	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	11/02/2000 05:07	
1,3-Dichlorobenzene	ND	0.5	ug/L	11/02/2000 05:07	
1,4-Dichlorobenzene	ND	0.5	ug/L	11/02/2000 05:07	
1,2-Dichlorobenzene	ND	0.5	ug/L	11/02/2000 05:07	
Trichlorotrifluoroethane	ND	2.0	ug/L	11/02/2000 05:07	
Chloromethane	ND	1.0	ug/L	11/02/2000 05:07	
Bromomethane	ND	1.0	ug/L	11/02/2000 05:07	
Surrogate(s)					
1-Chloro-2-fluorobenzene	94.0	50-150	%	11/02/2000 05:07	

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

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/11/02-01.26**

MB: 2000/11/02-01.26-006 | Date Extracted: 11/02/2000 15:12

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	11/02/2000 15:12	
Vinyl chloride	ND	0.5	ug/L	11/02/2000 15:12	
Chloroethane	ND	0.5	ug/L	11/02/2000 15:12	
Trichlorofluoromethane	ND	0.5	ug/L	11/02/2000 15:12	
1,1-Dichloroethene	ND	0.5	ug/L	11/02/2000 15:12	
Methylene chloride	ND	5.0	ug/L	11/02/2000 15:12	
trans-1,2-Dichloroethene	ND	0.5	ug/L	11/02/2000 15:12	
cis-1,2-Dichloroethene	ND	0.5	ug/L	11/02/2000 15:12	
1,1-Dichloroethane	ND	0.5	ug/L	11/02/2000 15:12	
Chloroform	ND	0.5	ug/L	11/02/2000 15:12	
1,1,1-Trichloroethane	ND	0.5	ug/L	11/02/2000 15:12	
Carbon tetrachloride	ND	0.5	ug/L	11/02/2000 15:12	
1,2-Dichloroethane	ND	0.5	ug/L	11/02/2000 15:12	
Trichloroethene	ND	0.5	ug/L	11/02/2000 15:12	
1,2-Dichloropropane	ND	0.5	ug/L	11/02/2000 15:12	
Bromodichloromethane	ND	0.5	ug/L	11/02/2000 15:12	
2-Chloroethylvinyl ether	ND	0.5	ug/L	11/02/2000 15:12	
trans-1,3-Dichloropropene	ND	0.5	ug/L	11/02/2000 15:12	
cis-1,3-Dichloropropene	ND	0.5	ug/L	11/02/2000 15:12	
1,1,2-Trichloroethane	ND	0.5	ug/L	11/02/2000 15:12	
Tetrachloroethene	ND	0.5	ug/L	11/02/2000 15:12	
Dibromochloromethane	ND	0.5	ug/L	11/02/2000 15:12	
Chlorobenzene	ND	0.5	ug/L	11/02/2000 15:12	
Bromoform	ND	2.0	ug/L	11/02/2000 15:12	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	11/02/2000 15:12	
1,3-Dichlorobenzene	ND	0.5	ug/L	11/02/2000 15:12	
1,4-Dichlorobenzene	ND	0.5	ug/L	11/02/2000 15:12	
1,2-Dichlorobenzene	ND	0.5	ug/L	11/02/2000 15:12	
Trichlorotrifluoroethane	ND	2.0	ug/L	11/02/2000 15:12	
Chloromethane	ND	1.0	ug/L	11/02/2000 15:12	
Bromomethane	ND	1.0	ug/L	11/02/2000 15:12	
Surrogate(s)					
1-Chloro-2-fluorobenzene	84.5	50-150	%	11/02/2000 15:12	

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

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/11/02-01.26**

LCS: 2000/11/02-01.26-002 Extracted: 11/02/2000 05:52 Analyzed 11/02/2000 05:52
LCSD: 2000/11/02-01.26-003 Extracted: 11/02/2000 06:36 Analyzed 11/02/2000 06:36

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
1,1-Dichloroethene	19.0	19.3	20	20	95.0	96.5	1.6	50-140	20		
Trichloroethene	17.7	18.5	20	20	88.5	92.5	4.4	50-150	20		
Chlorobenzene	18.4	18.1	20	20	92.0	90.5	1.6	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	17.9	19.4	20	20	89.5	97.0		50-150			

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

Test Method: 8010
Prep Method: 5030

Legend & Notes

Halogenated Volatile Organic Compounds

Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

Volatile Organic Compounds by 8260A

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 #: 2808

Project: Lim

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-4	Water	10/24/2000 11:35	3

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

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **MW-4**
Project: 2808 Lim
Sampled: 10/24/2000 11:35
Matrix: Water

Lab Sample ID: **2000-10-0536-003**
Received: 10/25/2000 17:29
Extracted: 11/04/2000 19:00
QC-Batch: 2000/11/04-01.09

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

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	25000	ug/L	500.00	11/04/2000 19:00	
Benzene	14000	250	ug/L	500.00	11/04/2000 19:00	
Bromodichloromethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Bromoform	ND	250	ug/L	500.00	11/04/2000 19:00	
Bromomethane	ND	500	ug/L	500.00	11/04/2000 19:00	
Carbon tetrachloride	ND	250	ug/L	500.00	11/04/2000 19:00	
Chlorobenzene	ND	250	ug/L	500.00	11/04/2000 19:00	
Chloroethane	ND	500	ug/L	500.00	11/04/2000 19:00	
2-Butanone(MEK)	ND	25000	ug/L	500.00	11/04/2000 19:00	
2-Chloroethylvinyl ether	ND	250	ug/L	500.00	11/04/2000 19:00	
Chloroform	ND	250	ug/L	500.00	11/04/2000 19:00	
Chloromethane	ND	500	ug/L	500.00	11/04/2000 19:00	
Dibromochloromethane	ND	250	ug/L	500.00	11/04/2000 19:00	
1,2-Dichlorobenzene	ND	250	ug/L	500.00	11/04/2000 19:00	
1,3-Dichlorobenzene	ND	250	ug/L	500.00	11/04/2000 19:00	
1,4-Dichlorobenzene	ND	250	ug/L	500.00	11/04/2000 19:00	
1,2-Dibromo-3-chloropropane	ND	2500	ug/L	500.00	11/04/2000 19:00	
1,2-Dibromoethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Dibromomethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Dichlorodifluoromethane	ND	250	ug/L	500.00	11/04/2000 19:00	
1,1-Dichloroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
1,2-Dichloroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
1,1-Dichloroethene	ND	250	ug/L	500.00	11/04/2000 19:00	
cis-1,2-Dichloroethene	ND	250	ug/L	500.00	11/04/2000 19:00	
trans-1,2-Dichloroethene	ND	250	ug/L	500.00	11/04/2000 19:00	
1,2-Dichloropropane	ND	250	ug/L	500.00	11/04/2000 19:00	
cis-1,3-Dichloropropene	ND	250	ug/L	500.00	11/04/2000 19:00	
trans-1,3-Dichloropropene	ND	250	ug/L	500.00	11/04/2000 19:00	
Ethylbenzene	2800	250	ug/L	500.00	11/04/2000 19:00	
2-Hexanone	ND	25000	ug/L	500.00	11/04/2000 19:00	
Methylene chloride	ND	2500	ug/L	500.00	11/04/2000 19:00	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/L	500.00	11/04/2000 19:00	
Naphthalene	ND	2500	ug/L	500.00	11/04/2000 19:00	
Styrene	ND	250	ug/L	500.00	11/04/2000 19:00	

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

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **MW-4**
Project: 2808 Lim
Sampled: 10/24/2000 11:35
Matrix: Water

Lab Sample ID: **2000-10-0536-003**
Received: 10/25/2000 17:29
Extracted: 11/04/2000 19:00
QC-Batch: 2000/11/04-01.09

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

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,1,2,2-Tetrachloroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Tetrachloroethene	ND	250	ug/L	500.00	11/04/2000 19:00	
Toluene	22000	250	ug/L	500.00	11/04/2000 19:00	
1,1,1-Trichloroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
1,1,2-Trichloroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Trichloroethene	ND	250	ug/L	500.00	11/04/2000 19:00	
1,1,1,2-Tetrachloroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Vinyl acetate	ND	2500	ug/L	500.00	11/04/2000 19:00	
Vinyl chloride	ND	250	ug/L	500.00	11/04/2000 19:00	
Total xylenes	9500	500	ug/L	500.00	11/04/2000 19:00	
Trichlorotrifluoroethane	ND	250	ug/L	500.00	11/04/2000 19:00	
Carbon disulfide	ND	500	ug/L	500.00	11/04/2000 19:00	
Isopropylbenzene	ND	250	ug/L	500.00	11/04/2000 19:00	
Bromobenzene	ND	250	ug/L	500.00	11/04/2000 19:00	
Bromochloromethane	ND	500	ug/L	500.00	11/04/2000 19:00	
Trichlorofluoromethane	ND	1000	ug/L	500.00	11/04/2000 19:00	
Surrogate(s)						
4-Bromofluorobenzene	105.9	86-115	%	1.00	11/04/2000 19:00	
1,2-Dichloroethane-d4	107.6	76-114	%	1.00	11/04/2000 19:00	
Toluene-d8	92.3	88-110	%	1.00	11/04/2000 19:00	

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

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2000/11/04-01.09**

MB: 2000/11/04-01.09-001 | Date Extracted: 11/04/2000 13:13

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	11/04/2000 13:13	
Benzene	ND	0.5	ug/L	11/04/2000 13:13	
Bromodichloromethane	ND	0.5	ug/L	11/04/2000 13:13	
Bromoform	ND	0.5	ug/L	11/04/2000 13:13	
Bromomethane	ND	1.0	ug/L	11/04/2000 13:13	
Carbon tetrachloride	ND	0.5	ug/L	11/04/2000 13:13	
Chlorobenzene	ND	0.5	ug/L	11/04/2000 13:13	
Chloroethane	ND	1.0	ug/L	11/04/2000 13:13	
2-Butanone(MEK)	ND	50	ug/L	11/04/2000 13:13	
2-Chloroethylvinyl ether	ND	0.5	ug/L	11/04/2000 13:13	
Chloroform	ND	0.5	ug/L	11/04/2000 13:13	
Chloromethane	ND	1.0	ug/L	11/04/2000 13:13	
Dibromochloromethane	ND	0.5	ug/L	11/04/2000 13:13	
1,2-Dichlorobenzene	ND	0.5	ug/L	11/04/2000 13:13	
1,3-Dichlorobenzene	ND	0.5	ug/L	11/04/2000 13:13	
1,4-Dichlorobenzene	ND	0.5	ug/L	11/04/2000 13:13	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	11/04/2000 13:13	
1,2-Dibromoethane	ND	0.5	ug/L	11/04/2000 13:13	
Dibromomethane	ND	0.5	ug/L	11/04/2000 13:13	
Dichlorodifluoromethane	ND	0.5	ug/L	11/04/2000 13:13	
1,1-Dichloroethane	ND	0.5	ug/L	11/04/2000 13:13	
1,2-Dichloroethane	ND	0.5	ug/L	11/04/2000 13:13	
1,1-Dichloroethene	ND	0.5	ug/L	11/04/2000 13:13	
cis-1,2-Dichloroethene	ND	0.5	ug/L	11/04/2000 13:13	
trans-1,2-Dichloroethene	ND	0.5	ug/L	11/04/2000 13:13	
1,2-Dichloropropane	ND	0.5	ug/L	11/04/2000 13:13	
cis-1,3-Dichloropropene	ND	0.5	ug/L	11/04/2000 13:13	
trans-1,3-Dichloropropene	ND	0.5	ug/L	11/04/2000 13:13	
Ethylbenzene	ND	0.5	ug/L	11/04/2000 13:13	
2-Hexanone	ND	50	ug/L	11/04/2000 13:13	
Methylene chloride	ND	5.0	ug/L	11/04/2000 13:13	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	11/04/2000 13:13	
Naphthalene	ND	1.0	ug/L	11/04/2000 13:13	
Styrene	ND	0.5	ug/L	11/04/2000 13:13	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	11/04/2000 13:13	
Tetrachloroethene	ND	0.5	ug/L	11/04/2000 13:13	
Toluene	ND	0.5	ug/L	11/04/2000 13:13	
1,1,1-Trichloroethane	ND	0.5	ug/L	11/04/2000 13:13	
1,1,2-Trichloroethane	ND	0.5	ug/L	11/04/2000 13:13	
Trichloroethene	ND	0.5	ug/L	11/04/2000 13:13	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	11/04/2000 13:13	
Vinyl acetate	ND	5.0	ug/L	11/04/2000 13:13	
Vinyl chloride	ND	0.5	ug/L	11/04/2000 13:13	

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

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2000/11/04-01.09**

MB: 2000/11/04-01.09-001 | Date Extracted: 11/04/2000 13:13

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	1.0	ug/L	11/04/2000 13:13	
Trichlorotrifluoroethane	ND	0.5	ug/L	11/04/2000 13:13	
Carbon disulfide	ND	1.0	ug/L	11/04/2000 13:13	
Isopropylbenzene	ND	0.5	ug/L	11/04/2000 13:13	
Bromobenzene	ND	0.5	ug/L	11/04/2000 13:13	
Bromochloromethane	ND	1.0	ug/L	11/04/2000 13:13	
Trichlorofluoromethane	ND	2.0	ug/L	11/04/2000 13:13	
Surrogate(s)					
4-Bromofluorobenzene	107.2	86-115	%	11/04/2000 13:13	
1,2-Dichloroethane-d4	105.0	76-114	%	11/04/2000 13:13	
Toluene-d8	97.8	88-110	%	11/04/2000 13:13	

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

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/11/04-01.09**

LCS: 2000/11/04-01.09-002 Extracted: 11/04/2000 11:50 Analyzed 11/04/2000 11:50
LCSD: 2000/11/04-01.09-003 Extracted: 11/04/2000 12:34 Analyzed 11/04/2000 12:34

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	49.0	50.9	50.0	50.0	98.0	101.8	3.8	69-129	20		
Chlorobenzene	50.7	53.2	50.0	50.0	101.4	106.4	4.8	61-121	20		
1,1-Dichloroethene	46.9	49.5	50.0	50.0	93.8	99.0	5.4	65-125	20		
Toluene	48.8	51.0	50.0	50.0	97.6	102.0	4.4	70-130	20		
Trichloroethene	43.2	45.0	50.0	50.0	86.4	90.0	4.1	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	550	524	500	500	110.0	104.8		86-115			
1,2-Dichloroethane-d4	487	511	500	500	97.4	102.2		76-114			
Toluene-d8	481	488	500	500	96.2	97.6		88-110			

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

Test Method: 8260A
Prep Method: 5030

Legend & Notes

Volatile Organic Compounds by 8260A

Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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 #: 2808	Project: Lim

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/24/2000 11:05	1
MW-2	Water	10/24/2000 12:15	2
MW-4	Water	10/24/2000 11:35	3

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

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

Diesel

Sample ID:	**MW-1**	Lab Sample ID:	**2000-10-0536-001**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	10/26/2000 13:25
Sampled:	10/24/2000 11:05	QC-Batch:	2000/10/26-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	280	50	ug/L	1.00	10/28/2000 21:00	ndp
Surrogate(s)						
o-Terphenyl	95.4	60-130	%	1.00	10/28/2000 21:00	

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

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

Diesel

Sample ID:	**MW-2**	Lab Sample ID:	**2000-10-0536-002**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	10/26/2000 13:25
Sampled:	10/24/2000 12:15	QC-Batch:	2000/10/26-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	6400	50	ug/L	1.00	10/28/2000 21:34	ndp
Surrogate(s)						
o-Terphenyl	86.5	60-130	%	1.00	10/28/2000 21:34	

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

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

Diesel

Sample ID:	**MW-4**	Lab Sample ID:	**2000-10-0536-003**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	10/26/2000 13:25
Sampled:	10/24/2000 11:35	QC-Batch:	2000/10/26-03.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	8000	50	ug/L	1.00	10/28/2000 10:43	ndp
Surrogate(s)						
o-Terphenyl	108.4	60-130	%	1.00	10/28/2000 10:43	

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 # 2000/10/26-03.10**

MB: 2000/10/26-03.10-003 | Date Extracted: 10/26/2000 13:25

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	10/28/2000 10:28	
Surrogate(s)					
o-Terphenyl	100.0	60-130	%	10/28/2000 10:28	

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 # 2000/10/26-03.10**

LCS: 2000/10/26-03.10-001 Extracted: 10/26/2000 13:25 Analyzed 10/28/2000 11:06
LCSD: 2000/10/26-03.10-002 Extracted: 10/26/2000 13:25 Analyzed 10/28/2000 11:45

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1180	1150	1250	1250	94.4	92.0	2.6	60-130	25		
Surrogate(s)											
o-Terphenyl	25.4	24.8	20.0	20.0	127.0	124.0		60-130			

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

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

Batch QC Report

Diesel

Matrix Spike (MS / MSD) **Water** **QC Batch # 2000/10/26-03.10**

Sample ID: **V-1** Lab Sample ID: 2000-10-0520-003

MS: 2000/10/26-03.10-004 Extracted: 10/26/2000 13:25 Analyzed: 10/28/2000 12:24 Dilution: 1.0

MSD: 2000/10/26-03.10-005 Extracted: 10/26/2000 13:25 Analyzed: 10/28/2000 13:02 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
Diesel	1250	1240	ND	1276	1250	98.0	99.2	1.2	60-130	25		
Surrogate(s)												
o-Terphenyl	25.1	25.3		20.0	20.0	125.5	126.5		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 #: 2000-10-0536

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 #: 2808 Project: Lim

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/24/2000 11:05	1
MW-2	Water	10/24/2000 12:15	2
MW-4	Water	10/24/2000 11:35	3

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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:	**2000-10-0536-001**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	11/02/2000 10:54
Sampled:	10/24/2000 11:05	QC-Batch:	2000/11/02-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	170	50	ug/L	1.00	11/02/2000 10:54	g
Benzene	ND	0.50	ug/L	1.00	11/02/2000 10:54	
Toluene	ND	0.50	ug/L	1.00	11/02/2000 10:54	
Ethyl benzene	ND	0.50	ug/L	1.00	11/02/2000 10:54	
Xylene(s)	ND	0.50	ug/L	1.00	11/02/2000 10:54	
MTBE	ND	5.0	ug/L	1.00	11/02/2000 10:54	
Surrogate(s)						
Trifluorotoluene	91.5	58-124	%	1.00	11/02/2000 10:54	
4-Bromofluorobenzene-FID	94.8	50-150	%	1.00	11/02/2000 10:54	

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:	**2000-10-0536-002**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	11/02/2000 11:25
Sampled:	10/24/2000 12:15	QC-Batch:	2000/11/02-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	48000	5000	ug/L	100.00	11/02/2000 11:25	
Benzene	11000	50	ug/L	100.00	11/02/2000 11:25	
Toluene	9400	50	ug/L	100.00	11/02/2000 11:25	
Ethyl benzene	1500	50	ug/L	100.00	11/02/2000 11:25	
Xylene(s)	7300	50	ug/L	100.00	11/02/2000 11:25	
MTBE	ND	500	ug/L	100.00	11/02/2000 11:25	
Surrogate(s)						
Trifluorotoluene	96.3	58-124	%	1.00	11/02/2000 11:25	
4-Bromofluorobenzene-FID	83.3	50-150	%	1.00	11/02/2000 11:25	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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:	**2000-10-0536-003**
Project:	2808 Lim	Received:	10/25/2000 17:29
		Extracted:	11/03/2000 11:32
Sampled:	10/24/2000 11:35	QC-Batch:	2000/11/03-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	98000	10000	ug/L	200.00	11/03/2000 11:32	
Benzene	21000	100	ug/L	200.00	11/03/2000 11:32	
Toluene	29000	100	ug/L	200.00	11/03/2000 11:32	
Ethyl benzene	2700	100	ug/L	200.00	11/03/2000 11:32	
Xylene(s)	15000	100	ug/L	200.00	11/03/2000 11:32	
MTBE	ND	1000	ug/L	200.00	11/03/2000 11:32	
Surrogate(s)						
Trifluorotoluene	111.2	58-124	%	1.00	11/03/2000 11:32	
4-Bromofluorobenzene-FID	86.7	50-150	%	1.00	11/03/2000 11:32	

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2000/11/02-01.02**

MB: 2000/11/02-01.02-001

Date Extracted: 11/02/2000 04:02

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	11/02/2000 04:02	
Benzene	ND	0.5	ug/L	11/02/2000 04:02	
Toluene	ND	0.5	ug/L	11/02/2000 04:02	
Ethyl benzene	ND	0.5	ug/L	11/02/2000 04:02	
Xylene(s)	ND	0.5	ug/L	11/02/2000 04:02	
MTBE	ND	5.0	ug/L	11/02/2000 04:02	
Surrogate(s)					
Trifluorotoluene	81.8	58-124	%	11/02/2000 04:02	
4-Bromofluorobenzene-FID	80.2	50-150	%	11/02/2000 04:02	

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

Attn.: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2000/11/03-01.02**

MB: 2000/11/03-01.02-001

Date Extracted: 11/03/2000 05:03

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	11/03/2000 05:03	
Benzene	ND	0.5	ug/L	11/03/2000 05:03	
Toluene	ND	0.5	ug/L	11/03/2000 05:03	
Ethyl benzene	ND	0.5	ug/L	11/03/2000 05:03	
Xylene(s)	ND	0.5	ug/L	11/03/2000 05:03	
MTBE	ND	5.0	ug/L	11/03/2000 05:03	
Surrogate(s)					
Trifluorotoluene	85.0	58-124	%	11/03/2000 05:03	
4-Bromofluorobenzene-FID	84.2	50-150	%	11/03/2000 05:03	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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

Attn: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2000/11/02-01.02**
LCS:	2000/11/02-01.02-002	Extracted: 11/02/2000 04:33	Analyzed	11/02/2000 04:33
LCSD:	2000/11/02-01.02-003	Extracted: 11/02/2000 05:04	Analyzed	11/02/2000 05:04

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	489	499	500	500	97.8	99.8	2.0	75-125	20		
Benzene	112	99.7	100.0	100.0	112.0	99.7	11.6	77-123	20		
Toluene	106	95.4	100.0	100.0	106.0	95.4	10.5	78-122	20		
Ethyl benzene	97.7	89.7	100.0	100.0	97.7	89.7	8.5	70-130	20		
Xylene(s)	282	262	300	300	94.0	87.3	7.4	75-125	20		
Surrogate(s)											
Trifluorotoluene	447	385	500	500	89.4	77.0		58-124			
4-Bromofluorobenzene-FI	437	439	500	500	87.4	87.8		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0536

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

Attn: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/11/03-01.02**

LCS: 2000/11/03-01.02-002 Extracted: 11/03/2000 05:34 Analyzed 11/03/2000 05:34

LCSD: 2000/11/03-01.02-003 Extracted: 11/03/2000 06:05 Analyzed 11/03/2000 06:05

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	489	510	500	500	97.8	102.0	4.2	75-125	20		
Benzene	107	91.4	100.0	100.0	107.0	91.4	15.7	77-123	20		
Toluene	102	88.0	100.0	100.0	102.0	88.0	14.7	78-122	20		
Ethyl benzene	93.9	82.9	100.0	100.0	93.9	82.9	12.4	70-130	20		
Xylene(s)	270	243	300	300	90.0	81.0	10.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	439	350	500	500	87.8	70.0		58-124			
4-Bromofluorobenzene-FI	449	454	500	500	89.8	90.8		50-150			

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

Attn: Ian T. Reed

Test Method: 8015M
8020

Prep Method: 5030

Legend & Notes

Gas/BTEX and MTBE

Analyte Flags

g

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

2000-10-0536

55371

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 LIM JOB NO. 2808

ADDRESS 250 8th Street, Oakland, California

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

5-day TAT

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S (EPA 8260)	TPH-G/BTEX/7 OXY'S / HVOCS (EPA 8260)			COMPOSITE
MW-1	10/24	1105	water	5	X	X		X														X
MW-2	10/24	1215	water	5	X	X		X			X												X
MW-4	10/24	1135	water	5	X	X			X		X												X

RELINQUISHED BY: Ian T. Reed (signature) (time)
Ian T. Reed (printed name) 10/25/00 (date)
Company- ASE

RECEIVED BY: B Morrow 1005 (signature) (time)
B Morrow 10.25.00 (printed name) (date)
Company- Chromalab

RELINQUISHED BY: B Morrow (signature) (time) 1729
B Morrow 10-25-00 (printed name) (date)
Company- Chromalab

RECEIVED BY LABORATORY: Denis Harrington (signature) (time)
D. Harrington 1729 (printed name) (date)
Company- Chromalab 10/25/00

COMMENTS: 4.3°C

TURN AROUND TIME
STANDARD 24Hr 48Hr 72Hr
OTHER: