aqua science engineers inc.

May 3, 2001

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#1585 R0479

QUARTERLY GROUNDWATER MONITORING REPORT
APRIL 2001 GROUNDWATER SAMPLING
at
Lim Family Property
250 8th Street
Oakland, California

Russell Lim
601 Brush St
Oakland 94607

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 April 5, 2001, ASE associate geologist Erik Paddleford 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 water surface in monitoring wells MW-1 and MW-4. Monitoring well MW-2 contained a hydrocarbon sheen. Monitoring well MW-3 contained 0.23-feet of free-floating hydrocarbons. 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 south with a gradient of 0.021 feet/foot during this quarterly sampling period. This groundwater flow direction and gradient are consistent with previous findings.

3.0 MONITORING WELL SAMPLING

On April 5, 2001, ASE associate geologist Erik Paddleford collected groundwater samples from monitoring wells MW-1, MW-2, and MW-4 for analysis. Monitoring well MW-3 contained 0.23-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 and labeled. 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 appropriate chain of custody documentation. Well sampling purge water was contained in a sealed and labeled 55-gallon steel drum 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

Monitoring well MW-3 contained 0.23-feet of free-floating hydrocarbons this quarter. Overall, the hydrocarbon concentrations were similar to previous quarters sampling results. There appears to be a slight long term decreasing trend in hydrocarbon concentrations in groundwater samples collected from monitoring wells MW-1 and MW-2. Hydrocarbon concentrations still remain elevated in the downgradient monitoring wells MW-2 and MW-4. Monitoring well MW-4 has shown a decrease in hydrocarbon concentrations from the previous quarter.

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.

6.0 RECOMMENDATIONS

ASE anticipates performing the work outlined in ASE's February 2001 workplan during the next quarter.

ASE recommends that the analyses for ~~VOCs~~/HVOCs discontinued during future groundwater sampling events. OK

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

7.0 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.

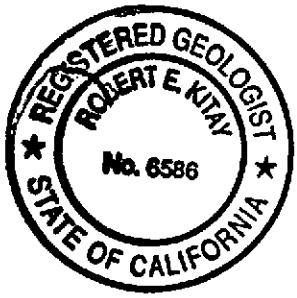
Aqua Science Engineers appreciates the opportunity to assist The Lim Family with their environmental needs. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

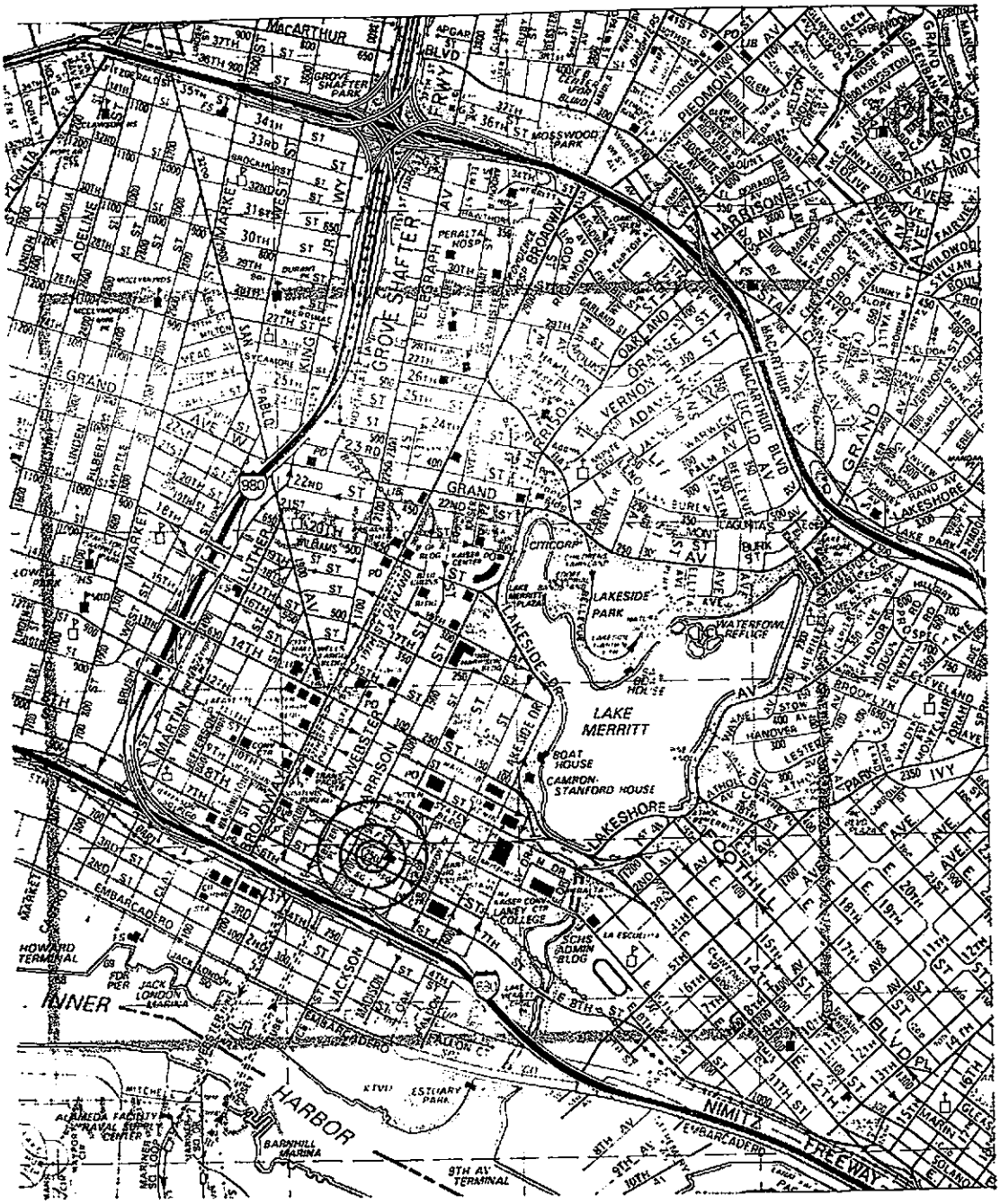
AQUA SCIENCE ENGINEERS, INC.

Erik H. Paddleford
Associate Geologist

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



Attachments: Figures 1 and 2
Appendices A and B

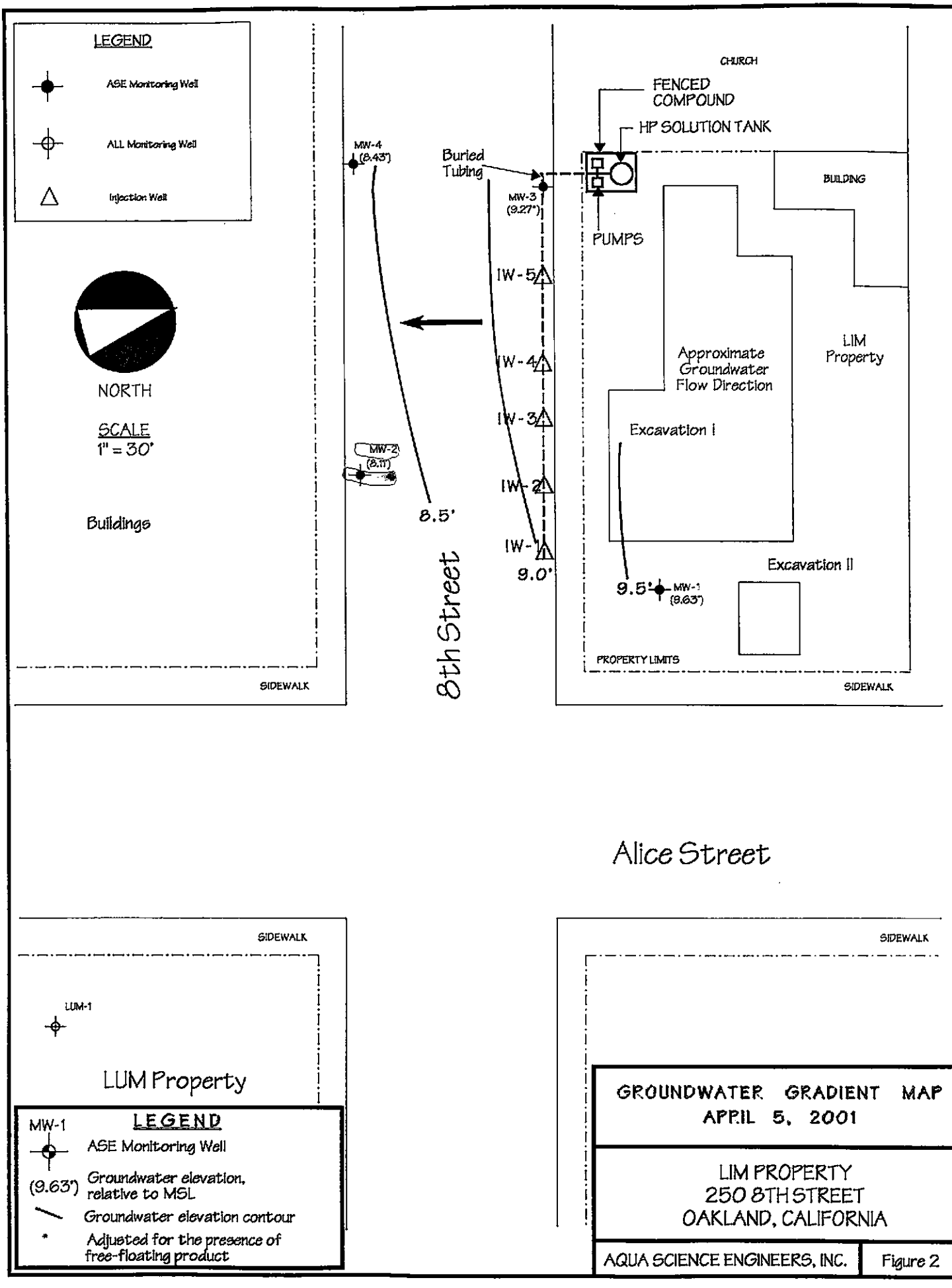


SITE LOCATION MAP

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
APRIL 5, 2001

LIM PROPERTY
250 8TH STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 2

TABLE ONE

Groundwater Elevation Data

Lim Family Property

250 8th Street

Oakland, CA

Well I.D.	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Product Thickness (feet)	Groundwater Elevation (msl)
MW-1	01/30/95	25.51	16.21		9.30
	04/12/95		15.71		9.80
	07/14/95		16.71		8.80
	10/17/95		17.72		7.79
	01/12/96		18.03		7.48
	07/25/96		16.82		8.69
	01/06/97		15.60		9.91
	07/08/97		17.31		8.20
	01/26/98		15.21		10.30
	07/23/98		15.38		10.13
	01/05/99		16.82		8.69
	07/13/99		15.89		9.62
	01/12/00		17.44		8.07
	04/24/00		16.37		9.14
	07/20/00		16.30		9.21
	10/24/00		17.25		8.26
	01/18/01		17.29		8.22
	04/05/01		**15.88**		**9.63**
MW-2	01/30/95	23.99	15.02		8.97
	04/12/95		14.75		9.24
	07/14/95		16.02		7.97
	10/17/95		16.94		7.05
	01/12/96		17.05		6.94
	07/25/96		16.02		7.97
	01/06/97		14.34		9.65
	07/08/97		16.52		7.47
	01/26/98		14.10		9.89
	07/23/98		14.70		9.29
	01/05/99		16.01		7.98
	07/13/99		15.40		8.59
	01/12/00		16.76		7.23
	04/24/00		15.67		8.32
	07/20/00		15.70		8.29
	10/24/00		16.56		7.43
	01/18/01		16.47		7.52
	04/05/01		**15.88**		**8.11**

TABLE ONE

Groundwater Elevation Data

Lim Family Property

250 8th Street

Oakland, CA

Well I.D.	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Product Thickness (feet)	Groundwater Elevation (msl)
MW-3	01/12/00	24.25	16.68	0.01	7.57
	04/24/00		15.58	0.15	8.55*
	07/20/00		16.01	0.41	7.64*
	10/24/00		16.95	0.21	7.13*
	01/18/01		16.63	0.21	7.79*
	04/05/01		**15.16**	**0.23**	**9.27**
MW-4	01/12/00	23.71	17.24		6.47
	04/24/00		16.18		7.53
	07/20/00		16.18		7.53
	10/24/00		17.03		6.68
	01/18/01		16.87		6.84
	04/05/01		**15.28**		**8.43**
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*

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
01/18/01	170**	150*	< 0.5	<0.5	< 0.5	2.1	< 5.0
04/05/01	**350****	**190***	**< 0.5**	**< 0.5**	**< 0.5**	**< 0.5**	**< 5.0**

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-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
01/18/01	37,000	4,600*	6,900	5,600	1,200	5,300	< 500
04/05/01	**59,000**	**4,600***	**7,100**	**9,800**	**1,600**	**7,600**	**< 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						
01/18/01	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS						
04/05/01	**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
01/18/01	91,000	12,000	17,000/ 15,000	21,000/ 21,000	2,500/ 2,800	13,000/ 11,000	<1,000 <5,000
04/05/01	**88,000**	**7,500***	**6,900/ 3,200**	**18,000/ 9,000**	**2,500/ 1,300**	**12,000/ 6,400**	< 1,000 < 500
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

different labs

Notes:

* = Hydrocarbons reported are in the early diesel range, and do not match the laboratory standard.

** = Hydrocarbons reported do not match the laboratory gasoline standard.

= Estimated concentration reported due to overlapping fuel patterns.

/ = Results separated by a slash represent results from two different laboratory methods (8020/8260).

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
7/8/1997				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethane (PCE)	0.9	< 0.5	-	-
Other VOCs	< 0.5 - < 3	< 0.5 - < 3	-	-
1/26/1998				
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	-	-
7/23/1998				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethene	4	4.6	-	-
1,2-Dichloroethane	< 2	9.9	-	-
Other VOCs	< 2 - < 10	< 0.5 - < 5.0	-	-
1/5/1999				
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
7/13/1999				
Hydrocarbon Oil and Grease	---	< 1,000	-	-
Tetrachloroethene	1.5	0.68	-	-
Chloroform	4.6	< 50	-	-
1,2-Dichloroethane	<0.50	[redacted]	-	-
Other VOCs	< 0.5 - < 5	< 0.5 - < 500	-	-
1/12/2000				
Hydrocarbon Oil and Grease	---	< 1,000	< 1,000	< 1,000
Tetrachloroethene	0.8	< 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
4/24/2000				
Hydrocarbon Oil and Grease	---	<1,000	4,100	< 1,000
1,2-Dichloroethane	< 0.5	5.9	< 1,000	< 250
[redacted]	---	---	[redacted]	[redacted]
Isopropylbenzene	---	---	1,200	< 250
Other VOCs	< 0.5 - < 5.0	< 5.0 - < 20	: 1,000 - < 100,00	< 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
7/20/2000				
Hydrocarbon Oil and Grease	---	< 1,000		< 1,000
Tetrachloroethene	0.59	< 5.0	FREE	< 200
Chloroform	2.1	< 5.0	PRODUCT	< 200
1,2-Dichloroethane	< 0.5	6.7	---	< 200
Acetone	---	---	NOT	< 20,000
[redacted]	---	---	SAMPLED	[redacted]
Other VOCs	< 0.5 - < 20	< 5.0 - < 20		< 250 - < 20,000
10/24/2000			FREE	
Hydrocarbon Oil and Grease	---	< 1,000	PRODUCT	< 1,000
Tetrachloroethene	< 0.5	< 5.0	---	< 250
Chloroform	1.0	< 5.0	NOT	< 250
Other VOCs	< 0.5 - < 20	< 5.0 - < 20	SAMPLED	< 250 - < 25,000
1/18/2001			FREE	
Hydrocarbon Oil and Grease	---	2,100	PRODUCT	1,300
Tetrachloroethene	1.3	< 5.0	---	< 250
Chloroform	6.4	< 5.0	NOT	< 250
Other VOCs	< 0.5 - < 20	< 5.0 - < 20	SAMPLED	< 250 - < 25,000
4/5/2001				
Hydrocarbon Oil and Grease	**---**	**< 1.0**	**FREE**	**1,100.0**
Tetrachloroethene	**< 0.5**	**1.1**	**PRODUCT**	**< 50**
[redacted]	[redacted]	[redacted]	**---**	**< 50**
Trichloroethene	**< 0.5**	**0.58**	**NOT**	**< 50**
Naphthalene	**---**	**---**	**---**	**320**
Other VOCs	**< 0.5 - < 2.0**	**< 5.0 - < 20**	**SAMPLED**	**< 50 - < 5,000**

APPENDIX A

Well Sampling Field Log

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Lim
Job #: 2808 Date of sampling: 4/5/01
Well Name: MW-2 Sampled by: EB
Total depth of well (feet): 26.78 Well diameter (inches): _____
Depth to water before sampling (feet): 15.88
Thickness of floating product if any: —
Depth of well casing in water (feet): 10.9
Number of gallons per well casing volume (gallons): 1.85
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 7.4
Equipment used to purge the well: bailer
Time Evacuation Began: 1130 Time Evacuation Finished: 1145
Approximate volume of groundwater purged: 7.5
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1155
Depth to water at time of sampling: —
Percent recovery at time of sampling: 290%
Samples collected with: bailer
Sample color: gray Odor: moderate to heavy HC
Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	21.1	7.42	1
2	20.9	7.45	1
3	20.0	7.48	1
4	20.8	7.46	1

SAMPLES COLLECTED

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

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WELL SAMPLING FIELD LOG

Project Name and Address: Lim
Job #: 2808 Date of sampling: 4/5/01
Well Name: MW-1 Sampled by: EP
Total depth of well (feet): 26.78 Well diameter (inches): 2
Depth to water before sampling (feet): 15.88
Thickness of floating product if any: —
Depth of well casing in water (feet): 10.9
Number of gallons per well casing volume (gallons): 1.85
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 7.41
Equipment used to purge the well: bailer
Time Evacuation Began: 1210 Time Evacuation Finished: 1220
Approximate volume of groundwater purged:
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1230
Depth to water at time of sampling: —
Percent recovery at time of sampling: >90%
Samples collected with: bailer
Sample color: gray Odor: slight HC
Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	20.1	7.46	1
2	19.9	7.32	1
3	20.2	7.41	1
4	20.2	7.45	1

SAMPLES COLLECTED

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

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WELL SAMPLING FIELD LOG

Project Name and Address: Lim
Job #: 2808 Date of sampling: 4/5/01
Well Name: MW-4 Sampled by: EP
Total depth of well (feet): 26.60 Well diameter (inches): _____
Depth to water before sampling (feet): 15.28
Thickness of floating product if any: —
Depth of well casing in water (feet): 11.32
Number of gallons per well casing volume (gallons): 1.92
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 7.7
Equipment used to purge the well: Bailer
Time Evacuation Began: 1100 Time Evacuation Finished: 1115
Approximate volume of groundwater purged: 8
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1120
Depth to water at time of sampling: —
Percent recovery at time of sampling: >90%
Samples collected with: bailer
Sample color: green/gray Odor: slight HC
Description of sediment in sample: silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	21.0	7.76	1
2	21.1	7.84	1
3	20.8	7.71	1
4	20.9	7.76	1

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	3	40 ML VOA	X	X	
	2	1 Liter Amber		X	

208 W. El Pintado, Danville, California 94526 • 925-820-9391 • Fax 925-837-4853

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: Lim
Job #: 2808 Date of sampling: 4/5/01
Well Name: MW-3 Sampled by: EP
Total depth of well (feet): _____ Well diameter (inches): 2
Depth to water before sampling (feet): 15.16 H_2O 14.93 prod
Thickness of floating product if any: 0.23
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: Slight
Description of sediment in sample: Not Sampled Product

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity

SAMPLES COLLECTED

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

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

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

Attn.: Erik Paddleford

Project: 2808
Lim

Site: 250 8th Street
Oakland, CA

Attached is our report for your samples received on Friday April 6, 2001
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 May 21, 2001 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

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

Oil & Grease (Total) by EPA 1664

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: Erik Paddleford

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

Project #: 2808

Project: Lim

Site: 250 8th Street
Oakland, CA

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	04/05/2001 11:55	2
MW-4	Water	04/05/2001 11:20	3

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 1664
Prep Method: 1664

Oil & Grease (Total) by EPA 1664

Sample ID:	**MW-2**	Lab Sample ID:	**2001-04-0166-002**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/12/2001
Sampled:	04/05/2001 11:55	QC-Batch:	2001/04/12-01.23
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	04/12/2001	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 1664
Prep Method: 1664

Oil & Grease (Total) by EPA 1664

Sample ID:	**MW-4**	Lab Sample ID:	**2001-04-0166-003**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/12/2001
Sampled:	04/05/2001 11:20	QC-Batch:	2001/04/12-01.23
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Oil & Grease (total)	1.1	1.0	mg/L	1.00	04/12/2001	

To: **Aqua Science Engineers, Inc.**
Attn.: **Erik Paddleford**

Test Method: 1664
Prep Method: 1664

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

Method Blank | **Water** | **QC Batch # 2001/04/12-01.23**

MB: 2001/04/12-01.23-001 | Date Extracted: 04/12/2001

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	04/12/2001	

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

Attn: Erik Paddleford

Test Method: 1664

Prep Method: 1664

Batch QC Report

Oil & Grease (Total) by EPA 1664

Laboratory Control Spike (LCS/LCSD)		**Water**		**QC Batch # 2001/04/12-01.23**
LCS:	2001/04/12-01.23-002	Extracted: 04/12/2001	Analyzed	04/12/2001
LCSD:	2001/04/12-01.23-003	Extracted: 04/12/2001	Analyzed	04/12/2001

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)	38.0	38.8	40.0	40.0	95.0	97.0	2.1	80-120	20		

Halogenated Volatile Organic Compounds

Aqua Science Engineers, Inc.

✉ 208 West El Pintado
Danville, CA 94526

Attn: Erik Paddleford

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

Project #: 2808

Project: Lim

Site: 250 8th Street
Oakland, CA

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	04/05/2001 12:30	1
MW-2	Water	04/05/2001 11:55	2

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-1**	Lab Sample ID:	**2001-04-0166-001**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 23:10
Sampled:	04/05/2001 12:30	QC-Batch:	2001/04/10-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	04/10/2001 23:10	
Vinyl chloride	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Chloroethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Methylene chloride	ND	5.0	ug/L	1.00	04/10/2001 23:10	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Chloroform	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Trichloroethene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	04/10/2001 23:10	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Chlorobenzene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Bromoform	ND	2.0	ug/L	1.00	04/10/2001 23:10	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/10/2001 23:10	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	04/10/2001 23:10	
Chloromethane	ND	1.0	ug/L	1.00	04/10/2001 23:10	
Bromomethane	ND	1.0	ug/L	1.00	04/10/2001 23:10	
Surrogate(s)						
1-Chloro-2-fluorobenzene	78.9	50-150	%	1.00	04/10/2001 23:10	

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**2001-04-0166-002**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/11/2001 17:52
Sampled:	04/05/2001 11:55	QC-Batch:	2001/04/11-01.26
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	04/11/2001 17:52	
Vinyl chloride	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Chloroethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Methylene chloride	ND	5.0	ug/L	1.00	04/11/2001 17:52	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Chloroform	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/11/2001 17:52	
[redacted]						
Trichloroethene	0.58	0.50	ug/L	1.00	04/11/2001 17:52	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	04/11/2001 17:52	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Tetrachloroethene	1.1	0.50	ug/L	1.00	04/11/2001 17:52	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Chlorobenzene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Bromoform	ND	2.0	ug/L	1.00	04/11/2001 17:52	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/11/2001 17:52	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	04/11/2001 17:52	
Chloromethane	ND	1.0	ug/L	1.00	04/11/2001 17:52	
Bromomethane	ND	1.0	ug/L	1.00	04/11/2001 17:52	
Surrogate(s)						
1-Chloro-2-fluorobenzene	77.7	50-150	%	1.00	04/11/2001 17:52	

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2001/04/10-01.25**

MB: 2001/04/10-01.25-001 | Date Extracted: 04/10/2001 10:25

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	04/10/2001 10:25	
Vinyl chloride	ND	0.5	ug/L	04/10/2001 10:25	
Chloroethane	ND	0.5	ug/L	04/10/2001 10:25	
Trichlorofluoromethane	ND	0.5	ug/L	04/10/2001 10:25	
1,1-Dichloroethene	ND	0.5	ug/L	04/10/2001 10:25	
Methylene chloride	ND	5.0	ug/L	04/10/2001 10:25	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/10/2001 10:25	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/10/2001 10:25	
1,1-Dichloroethane	ND	0.5	ug/L	04/10/2001 10:25	
Chloroform	ND	0.5	ug/L	04/10/2001 10:25	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/10/2001 10:25	
Carbon tetrachloride	ND	0.5	ug/L	04/10/2001 10:25	
1,2-Dichloroethane	ND	0.5	ug/L	04/10/2001 10:25	
Trichloroethene	ND	0.5	ug/L	04/10/2001 10:25	
1,2-Dichloropropane	ND	0.5	ug/L	04/10/2001 10:25	
Bromodichloromethane	ND	0.5	ug/L	04/10/2001 10:25	
2-Chloroethylvinyl ether	ND	0.5	ug/L	04/10/2001 10:25	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/10/2001 10:25	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/10/2001 10:25	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/10/2001 10:25	
Tetrachloroethene	ND	0.5	ug/L	04/10/2001 10:25	
Dibromochloromethane	ND	0.5	ug/L	04/10/2001 10:25	
Chlorobenzene	ND	0.5	ug/L	04/10/2001 10:25	
Bromoform	ND	2.0	ug/L	04/10/2001 10:25	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/10/2001 10:25	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/10/2001 10:25	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/10/2001 10:25	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/10/2001 10:25	
Trichlorotrifluoroethane	ND	2.0	ug/L	04/10/2001 10:25	
Chloromethane	ND	1.0	ug/L	04/10/2001 10:25	
Bromomethane	ND	1.0	ug/L	04/10/2001 10:25	
Surrogate(s)					
1-Chloro-2-fluorobenzene	95.0	50-150	%	04/10/2001 10:25	

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | Water | **QC Batch # 2001/04/11-01.26**

MB: 2001/04/11-01.26-001 | Date Extracted: 04/11/2001 09:02

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	04/11/2001 09:02	
Vinyl chloride	ND	0.5	ug/L	04/11/2001 09:02	
Chloroethane	ND	0.5	ug/L	04/11/2001 09:02	
Trichlorofluoromethane	ND	0.5	ug/L	04/11/2001 09:02	
1,1-Dichloroethene	ND	0.5	ug/L	04/11/2001 09:02	
Methylene chloride	ND	5.0	ug/L	04/11/2001 09:02	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/11/2001 09:02	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/11/2001 09:02	
1,1-Dichloroethane	ND	0.5	ug/L	04/11/2001 09:02	
Chloroform	ND	0.5	ug/L	04/11/2001 09:02	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/11/2001 09:02	
Carbon tetrachloride	ND	0.5	ug/L	04/11/2001 09:02	
1,2-Dichloroethane	ND	0.5	ug/L	04/11/2001 09:02	
Trichloroethene	ND	0.5	ug/L	04/11/2001 09:02	
1,2-Dichloropropane	ND	0.5	ug/L	04/11/2001 09:02	
Bromodichloromethane	ND	0.5	ug/L	04/11/2001 09:02	
2-Chloroethylvinyl ether	ND	0.5	ug/L	04/11/2001 09:02	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/11/2001 09:02	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/11/2001 09:02	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/11/2001 09:02	
Tetrachloroethene	ND	0.5	ug/L	04/11/2001 09:02	
Dibromochloromethane	ND	0.5	ug/L	04/11/2001 09:02	
Chlorobenzene	ND	0.5	ug/L	04/11/2001 09:02	
Bromoform	ND	2.0	ug/L	04/11/2001 09:02	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/11/2001 09:02	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/11/2001 09:02	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/11/2001 09:02	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/11/2001 09:02	
Trichlorotrifluoroethane	ND	2.0	ug/L	04/11/2001 09:02	
Chloromethane	ND	1.0	ug/L	04/11/2001 09:02	
Bromomethane	ND	1.0	ug/L	04/11/2001 09:02	
Surrogate(s)					
1-Chloro-2-fluorobenzene	85.0	50-150	%	04/11/2001 09:02	

To: **Aqua Science Engineers, Inc.**
Attn: Erik Paddleford

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/04/10-01.25**

LCS: 2001/04/10-01.25-002 Extracted: 04/10/2001 11:11 Analyzed 04/10/2001 11:11
LCSD: 2001/04/10-01.25-003 Extracted: 04/10/2001 11:53 Analyzed 04/10/2001 11:53

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	21.5	22.4	20	20	107.5	112.0	4.1	50-140	20		
Trichloroethene	22.6	23.5	20	20	113.0	117.5	3.9	50-150	20		
Chlorobenzene	22.2	23.2	20	20	111.0	116.0	4.4	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	23.7	24.7	20	20	118.5	123.5		50-150			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

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

Attn: Erik Paddleford

Test Method: 8010

Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 2001/04/11-01.26**

LCS: 2001/04/11-01.26-002 Extracted: 04/11/2001 09:46 Analyzed 04/11/2001 09:46

LCSD: 2001/04/11-01.26-003 Extracted: 04/11/2001 10:31 Analyzed 04/11/2001 10:31

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	20.3	20.3	20	20	101.5	101.5	0.0	50-140	20		
Trichloroethene	19.0	19.0	20	20	95.0	95.0	0.0	50-150	20		
Chlorobenzene	16.9	17.4	20	20	84.5	87.0	2.9	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	18.9	19.3	20	20	94.5	96.5		50-150			

Volatile Organic Compounds by 8260A

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: Erik Paddleford

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

Project #: 2808

Project: Lim

Site: 250 8th Street
Oakland, CA

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-4	Water	04/05/2001 11:20	3

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**MW-4**	Lab Sample ID:	**2001-04-0166-003**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/11/2001 17:28
Sampled:	04/05/2001 11:20	QC-Batch:	2001/04/11-01.07
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	5000	ug/L	100.00	04/11/2001 17:28	
Benzene	3200	50	ug/L	100.00	04/11/2001 17:28	
Bromodichloromethane	ND	50	ug/L	100.00	04/11/2001 17:28	
Bromoform	ND	50	ug/L	100.00	04/11/2001 17:28	
Bromomethane	ND	100	ug/L	100.00	04/11/2001 17:28	
Carbon tetrachloride	ND	50	ug/L	100.00	04/11/2001 17:28	
Chlorobenzene	ND	50	ug/L	100.00	04/11/2001 17:28	
Chloroethane	ND	100	ug/L	100.00	04/11/2001 17:28	
2-Butanone(MEK)	ND	5000	ug/L	100.00	04/11/2001 17:28	
2-Chloroethylvinyl ether	ND	50	ug/L	100.00	04/11/2001 17:28	
Chloroform	ND	50	ug/L	100.00	04/11/2001 17:28	
Chloromethane	ND	100	ug/L	100.00	04/11/2001 17:28	
Dibromochloromethane	ND	50	ug/L	100.00	04/11/2001 17:28	
1,2-Dichlorobenzene	ND	50	ug/L	100.00	04/11/2001 17:28	
1,3-Dichlorobenzene	ND	50	ug/L	100.00	04/11/2001 17:28	
1,4-Dichlorobenzene	ND	50	ug/L	100.00	04/11/2001 17:28	
1,2-Dibromo-3-chloropropane	ND	500	ug/L	100.00	04/11/2001 17:28	
1,2-Dibromoethane	ND	50	ug/L	100.00	04/11/2001 17:28	
Dibromomethane	ND	50	ug/L	100.00	04/11/2001 17:28	
Dichlorodifluoromethane	ND	50	ug/L	100.00	04/11/2001 17:28	
1,1-Dichloroethane	ND	50	ug/L	100.00	04/11/2001 17:28	
1,2-Dichloroethane	ND	50	ug/L	100.00	04/11/2001 17:28	
1,1-Dichloroethene	ND	50	ug/L	100.00	04/11/2001 17:28	
cis-1,2-Dichloroethene	ND	50	ug/L	100.00	04/11/2001 17:28	
trans-1,2-Dichloroethene	ND	50	ug/L	100.00	04/11/2001 17:28	
1,2-Dichloropropane	ND	50	ug/L	100.00	04/11/2001 17:28	
cis-1,3-Dichloropropene	ND	50	ug/L	100.00	04/11/2001 17:28	
trans-1,3-Dichloropropene	ND	50	ug/L	100.00	04/11/2001 17:28	
Ethylbenzene	1300	50	ug/L	100.00	04/11/2001 17:28	
2-Hexanone	ND	5000	ug/L	100.00	04/11/2001 17:28	
Methylene chloride	ND	500	ug/L	100.00	04/11/2001 17:28	
4-Methyl-2-pentanone (MIBK)	ND	5000	ug/L	100.00	04/11/2001 17:28	
Naphthalene	320	100	ug/L	100.00	04/11/2001 17:28	
Styrene	ND	50	ug/L	100.00	04/11/2001 17:28	
1,1,2,2-Tetrachloroethane	ND	50	ug/L	100.00	04/11/2001 17:28	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**MW-4**	Lab Sample ID:	**2001-04-0166-003**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/11/2001 17:28
Sampled:	04/05/2001 11:20	QC-Batch:	2001/04/11-01.07
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Tetrachloroethene	ND	50	ug/L	100.00	04/11/2001 17:28	
Toluene	9000	50	ug/L	100.00	04/11/2001 17:28	
1,1,1-Trichloroethane	ND	50	ug/L	100.00	04/11/2001 17:28	
1,1,2-Trichloroethane	ND	50	ug/L	100.00	04/11/2001 17:28	
Trichloroethene	ND	50	ug/L	100.00	04/11/2001 17:28	
1,1,1,2-Tetrachloroethane	ND	50	ug/L	100.00	04/11/2001 17:28	
Vinyl acetate	ND	500	ug/L	100.00	04/11/2001 17:28	
Vinyl chloride	ND	50	ug/L	100.00	04/11/2001 17:28	
Total xylenes	6400	100	ug/L	100.00	04/11/2001 17:28	
Trichlorotrifluoroethane	ND	50	ug/L	100.00	04/11/2001 17:28	
Carbon disulfide	ND	100	ug/L	100.00	04/11/2001 17:28	
Isopropylbenzene	ND	50	ug/L	100.00	04/11/2001 17:28	
Bromobenzene	ND	50	ug/L	100.00	04/11/2001 17:28	
Bromochloromethane	ND	100	ug/L	100.00	04/11/2001 17:28	
Trichlorofluoromethane	ND	200	ug/L	100.00	04/11/2001 17:28	
MTBE	ND	500	ug/L	100.00	04/11/2001 17:28	
Surrogate(s)						
4-Bromofluorobenzene	92.1	86-115	%	100.00	04/11/2001 17:28	
1,2-Dichloroethane-d4	102.3	76-114	%	100.00	04/11/2001 17:28	
Toluene-d8	95.3	88-110	%	100.00	04/11/2001 17:28	

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2001/04/11-01.07**

MB: 2001/04/11-01.07-005 | Date Extracted: 04/11/2001 12:33

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	04/11/2001 12:33	
Benzene	ND	0.5	ug/L	04/11/2001 12:33	
Bromodichloromethane	ND	0.5	ug/L	04/11/2001 12:33	
Bromoform	ND	0.5	ug/L	04/11/2001 12:33	
Bromomethane	ND	1.0	ug/L	04/11/2001 12:33	
Carbon tetrachloride	ND	0.5	ug/L	04/11/2001 12:33	
Chlorobenzene	ND	0.5	ug/L	04/11/2001 12:33	
Chloroethane	ND	1.0	ug/L	04/11/2001 12:33	
2-Butanone(MEK)	ND	50	ug/L	04/11/2001 12:33	
2-Chloroethylvinyl ether	ND	0.5	ug/L	04/11/2001 12:33	
Chloroform	ND	0.5	ug/L	04/11/2001 12:33	
Chloromethane	ND	1.0	ug/L	04/11/2001 12:33	
Dibromochloromethane	ND	0.5	ug/L	04/11/2001 12:33	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/11/2001 12:33	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/11/2001 12:33	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/11/2001 12:33	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	04/11/2001 12:33	
1,2-Dibromoethane	ND	0.5	ug/L	04/11/2001 12:33	
Dibromomethane	ND	0.5	ug/L	04/11/2001 12:33	
Dichlorodifluoromethane	ND	0.5	ug/L	04/11/2001 12:33	
1,1-Dichloroethane	ND	0.5	ug/L	04/11/2001 12:33	
1,2-Dichloroethane	ND	0.5	ug/L	04/11/2001 12:33	
1,1-Dichloroethene	ND	0.5	ug/L	04/11/2001 12:33	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/11/2001 12:33	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/11/2001 12:33	
1,2-Dichloropropane	ND	0.5	ug/L	04/11/2001 12:33	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/11/2001 12:33	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/11/2001 12:33	
Ethylbenzene	ND	0.5	ug/L	04/11/2001 12:33	
2-Hexanone	ND	50	ug/L	04/11/2001 12:33	
Methylene chloride	ND	5.0	ug/L	04/11/2001 12:33	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/11/2001 12:33	
Naphthalene	ND	1.0	ug/L	04/11/2001 12:33	
Styrene	ND	0.5	ug/L	04/11/2001 12:33	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/11/2001 12:33	
Tetrachloroethene	ND	0.5	ug/L	04/11/2001 12:33	
Toluene	ND	0.5	ug/L	04/11/2001 12:33	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/11/2001 12:33	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/11/2001 12:33	
Trichloroethene	ND	0.5	ug/L	04/11/2001 12:33	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/11/2001 12:33	
Vinyl acetate	ND	5.0	ug/L	04/11/2001 12:33	
Vinyl chloride	ND	0.5	ug/L	04/11/2001 12:33	

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | Water | **QC Batch # 2001/04/11-01.07**

MB: 2001/04/11-01.07-005 | Date Extracted: 04/11/2001 12:33

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	1.0	ug/L	04/11/2001 12:33	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/11/2001 12:33	
Carbon disulfide	ND	1.0	ug/L	04/11/2001 12:33	
Isopropylbenzene	ND	0.5	ug/L	04/11/2001 12:33	
Bromobenzene	ND	0.5	ug/L	04/11/2001 12:33	
Bromochloromethane	ND	1.0	ug/L	04/11/2001 12:33	
Trichlorofluoromethane	ND	2.0	ug/L	04/11/2001 12:33	
MTBE	ND	5.0	ug/L	04/11/2001 12:33	
Surrogate(s)					
4-Bromofluorobenzene	100.5	86-115	%	04/11/2001 12:33	
1,2-Dichloroethane-d4	106.9	76-114	%	04/11/2001 12:33	
Toluene-d8	97.8	88-110	%	04/11/2001 12:33	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

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

Attn: Erik Paddleford

Test Method: 8260A

Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/04/11-01.07**

LCS: 2001/04/11-01.07-003 Extracted: 04/11/2001 11:41 Analyzed 04/11/2001 11:41

LCSD: 2001/04/11-01.07-004 Extracted: 04/11/2001 12:07 Analyzed 04/11/2001 12:07

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	51.0	44.2	50.0	50.0	102.0	88.4	14.3	69-129	20		
Chlorobenzene	51.9	45.7	50.0	50.0	103.8	91.4	12.7	61-121	20		
1,1-Dichloroethene	56.9	49.0	50.0	50.0	113.8	98.0	14.9	65-125	20		
Toluene	53.3	46.4	50.0	50.0	106.6	92.8	13.8	70-130	20		
Trichloroethene	49.5	42.8	50.0	50.0	99.0	85.6	14.5	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	481	501	500	500	96.2	100.2		86-115			
1,2-Dichloroethane-d4	518	512	500	500	103.6	102.4		76-114			
Toluene-d8	464	466	500	500	92.8	93.2		88-110			

Diesel

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: Erik Paddleford

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

Project #: 2808

Project: Lim

Site: 250 8th Street
Oakland, CA

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	04/05/2001 12:30	1
MW-2	Water	04/05/2001 11:55	2
MW-4	Water	04/05/2001 11:20	3

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

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

Diesel

Sample ID:	**MW-1**	Lab Sample ID:	**2001-04-0166-001**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 08:41
Sampled:	04/05/2001 12:30	QC-Batch:	2001/04/10-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	190	50	ug/L	1.00	04/10/2001 16:29	ndp
Surrogate(s)						
o-Terphenyl	81.8	60-130	%	1.00	04/10/2001 16:29	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

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

Diesel

Sample ID:	**MW-2**	Lab Sample ID:	**2001-04-0166-002**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 08:41
Sampled:	04/05/2001 11:55	QC-Batch:	2001/04/10-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4600	50	ug/L	1.00	04/12/2001 11:44	ndp
Surrogate(s)						
o-Terphenyl	89.3	60-130	%	1.00	04/12/2001 11:44	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

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

Diesel

Sample ID:	**MW-4**	Lab Sample ID:	**2001-04-0166-003**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 08:41
Sampled:	04/05/2001 11:20	QC-Batch:	2001/04/10-01.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7500	50	ug/L	1.00	04/10/2001 15:49	ndp
Surrogate(s)						
o-Terphenyl	86.8	60-130	%	1.00	04/10/2001 15:49	

To: **Aqua Science Engineers, Inc.**
Attn.: Erik Paddleford

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

Batch QC Report
Diesel

Method Blank | **Water** | **QC Batch # 2001/04/10-01.10**

MB: 2001/04/10-01.10-001 | Date Extracted: 04/10/2001 08:41

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	04/10/2001 16:29	
Surrogate(s)					
o-Terphenyl	91.5	60-130	%	04/10/2001 16:29	

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

Attn: Erik Paddleford

Test Method: 8015M

Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) Water **QC Batch # 2001/04/10-01.10**

LCS: 2001/04/10-01.10-002 Extracted: 04/10/2001 08:41 Analyzed 04/10/2001 15:10

LCSD: 2001/04/10-01.10-003 Extracted: 04/10/2001 08:41 Analyzed 04/10/2001 15:49

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1120	1100	1250	1250	89.6	88.0	1.8	60-130	25		
Surrogate(s)											
o-Terphenyl	19.1	18.0	20.0	20.0	95.5	90.0		60-130			

To: **Aqua Science Engineers, Inc.**
Attn: Erik Paddleford

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

Legend & Notes

Diesel

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

Gas/BTEX and MTBE

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: Erik Paddleford

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

Project #: 2808

Project: Lim

Site: 250 8th Street
Oakland, CA

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	04/05/2001 12:30	1
MW-2	Water	04/05/2001 11:55	2
MW-4	Water	04/05/2001 11:20	3

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

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

Attn.: Erik Paddleford

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-1**	Lab Sample ID:	**2001-04-0166-001**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 12:15
Sampled:	04/05/2001 12:30	QC-Batch:	2001/04/10-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	350	50	ug/L	1.00	04/10/2001 12:15	g
Benzene	ND	0.50	ug/L	1.00	04/10/2001 12:15	
Toluene	ND	0.50	ug/L	1.00	04/10/2001 12:15	
Ethyl benzene	ND	0.50	ug/L	1.00	04/10/2001 12:15	
Xylene(s)	ND	0.50	ug/L	1.00	04/10/2001 12:15	
MTBE	ND	5.0	ug/L	1.00	04/10/2001 12:15	
Surrogate(s)						
4-Bromofluorobenzene	110.2	50-150	%	1.00	04/10/2001 12:15	
4-Bromofluorobenzene-FID	104.8	50-150	%	1.00	04/10/2001 12:15	

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

Attn.: Erik Paddleford

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-2**	Lab Sample ID:	**2001-04-0166-002**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 21:06
Sampled:	04/05/2001 11:55	QC-Batch:	2001/04/10-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	59000	5000	ug/L	100.00	04/10/2001 21:06	
Benzene	7100	50	ug/L	100.00	04/10/2001 21:06	
Toluene	9800	50	ug/L	100.00	04/10/2001 21:06	
Ethyl benzene	1600	50	ug/L	100.00	04/10/2001 21:06	
Xylene(s)	7600	50	ug/L	100.00	04/10/2001 21:06	
MTBE	ND	500	ug/L	100.00	04/10/2001 21:06	
Surrogate(s)						
Trifluorotoluene	77.2	58-124	%	100.00	04/10/2001 21:06	
4-Bromofluorobenzene-FID	60.8	50-150	%	100.00	04/10/2001 21:06	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-04-0166

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

Attn.: Erik Paddleford

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-4**	Lab Sample ID:	**2001-04-0166-003**
Project:	2808 Lim	Received:	04/06/2001 18:38
Site:	250 8th Street Oakland, CA	Extracted:	04/10/2001 21:37
Sampled:	04/05/2001 11:20	QC-Batch:	2001/04/10-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	88000	10000	ug/L	200.00	04/10/2001 21:37	
Benzene	6900	100	ug/L	200.00	04/10/2001 21:37	
Toluene	18000	100	ug/L	200.00	04/10/2001 21:37	
Ethyl benzene	2500	100	ug/L	200.00	04/10/2001 21:37	
Xylene(s)	12000	100	ug/L	200.00	04/10/2001 21:37	
MTBE	ND	1000	ug/L	200.00	04/10/2001 21:37	
Surrogate(s)						
Trifluorotoluene	75.3	58-124	%	200.00	04/10/2001 21:37	
4-Bromofluorobenzene-FID	57.5	50-150	%	200.00	04/10/2001 21:37	

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

Attn.: Erik Paddleford

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2001/04/10-01.03**

MB: 2001/04/10-01.03-008 | Date Extracted: 04/10/2001 11:05

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	04/10/2001 11:05	
Benzene	ND	0.5	ug/L	04/10/2001 11:05	
Toluene	ND	0.5	ug/L	04/10/2001 11:05	
Ethyl benzene	ND	0.5	ug/L	04/10/2001 11:05	
Xylene(s)	ND	0.5	ug/L	04/10/2001 11:05	
MTBE	ND	5.0	ug/L	04/10/2001 11:05	
Surrogate(s)					
Trifluorotoluene	123.6	58-124	%	04/10/2001 11:05	
4-Bromofluorobenzene-FID	94.8	50-150	%	04/10/2001 11:05	

To: **Aqua Science Engineers, Inc.**
Attn: Erik Paddleford

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/04/10-01.03**

LCS: 2001/04/10-01.03-004 Extracted: 04/10/2001 09:02 Analyzed 04/10/2001 09:02
LCSD: 2001/04/10-01.03-005 Extracted: 04/10/2001 09:33 Analyzed 04/10/2001 09:33

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	93.9	96.6	100.0	100.0	93.9	96.6	2.8	77-123	20		
Toluene	92.6	95.6	100.0	100.0	92.6	95.6	3.2	78-122	20		
Ethyl benzene	92.8	96.3	100.0	100.0	92.8	96.3	3.7	70-130	20		
Xylene(s)	276	290	300	300	92.0	96.7	5.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	464	481	500	500	92.8	96.2		58-124			

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

Attn: Erik Paddleford

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.

2001-04-0166

58502

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) Ed Puddifoot (PHONE NO.)

PROJECT NAME Lim JOB NO. 2305

ADDRESS 250 8th street, Oakland, CA

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	4/5	1230	W	5	X	X		X														
MW-2	4/5	1155	W	5	X	X		X			X											
MW-4	4/5	1120	W	5	X	X			X		X											

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) 4-6-01 (time)	(signature) 1107 (time)	(signature) (time) 1838	Denise Harrington (signature) (time)	3.8°C
E. Puddifoot 1007 (printed name) (date)	B Morra 4-6-01 (printed name) (date)	B. Morra (printed name) (date) 4/6/01	D. Harrington (printed name) (date)	TURN AROUND TIME: STANDARD 24Hr 48Hr 72Hr
Company- ASE	Company- STL-CL	Company- STL-CL	Company- STL-CL 4/6/01 @ 1838	OTHER: