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Alameda County
Environmental Health

February 24, 2010

SEMI-ANNUAL GROUNDWATER MONITORING REPORT
DECEMBER 2009 GROUNDWATER SAMPLING
at
Lim Family Property
250 8th Street
Oakland, California

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
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1.0 INTRODUCTION

This report presents the methods and findings of Aqua Science Engineers, Inc. (ASE)'s semi-annual groundwater monitoring at the Lim family property located at 250 8th Street in Oakland, California *(Figures 1 and 2)*. This is also the first sampling event since the 4-week dual-phase extraction soil and groundwater remediation event that took place in August and September 2009.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On December 31, 2009, ASE measured the depth to water in monitoring wells MW-1 through MW-8 using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. Monitoring well MW-3 contained a hydrocarbon sheen, which is the first time in over a decade that there was no measurable free-floating hydrocarbons in this well. Monitoring well MW-4R contained 2.30-feet of free-floating hydrocarbons, which is an increase since the previous sampling event. The product was subsequently bailed by ASE and contained in a sealed and labeled 55-gallon steel drum for temporary storage until off-site disposal can be arranged. 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 an approximate gradient of 0.005 feet/foot during this sampling period. The gradient and flow direction are generally consistent with previous findings.

3.0 MONITORING WELL SAMPLING

On December 31, 2009, ASE collected groundwater samples from seven of the eight monitoring wells for analysis. Monitoring well MW-4R was not sampled due to the presence of free-floating hydrocarbons.

Prior to sampling, the wells were purged of three well casing volumes of groundwater using disposable 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 disposable polyethylene bailers. The groundwater samples were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, sealed without headspace and labeled. All samples were stored on ice for transport to Kiff Analytical, LLC, (KIFF) of Davis, California under appropriate chain of custody documentation. Well sampling purge water was contained in a sealed and labeled 55-gallon steel drum for temporary storage until off-site disposal can be arranged. See Appendix A for copies of the well sampling field logs.

4.0 ANALYTICAL RESULTS FOR GROUNDWATER

All groundwater samples were analyzed by KIFF for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, total xylenes (collectively known as BTEX), fuel oxygenates including methyl tertiary butyl ether (MTBE), and lead scavengers by EPA Method 8260B, and total petroleum hydrocarbons as diesel (TPH-D) by modified EPA Method 8015. The analytical results are tabulated in Table Two, and copies of the certified analytical report and chain of custody form are included in Appendix B.

5.0 CONCLUSIONS

- TPH-G, TPH-D and diisopropyl ether (DIPE) concentrations in groundwater samples collected from monitoring well MW-1 were very similar to previous results, while BTEX, MTBE, other oxygenates and lead scavenger concentrations remained non-detectable.
- TPH-G, toluene, ethyl benzene, and total xylene concentrations decreased in groundwater samples collected from monitoring well MW-2, while benzene and DIPE concentrations increased in the same sample. No lead scavengers were detected.
- Monitoring well MW-3 was sampled for the first time in over a decade since no free-floating hydrocarbons were detected. The water sample contained 60,000 parts per billion (ppb) TPH-G, 7,500 ppb benzene, 6,500 ppb toluene, 1,000 ppb ethyl benzene, and 6,600 ppb total xylenes. No TPH-D, oxygenates or lead scavengers were detected.
- Monitoring well MW-4R contained 2.30-feet of free-floating hydrocarbons, which is an increase in free-floating hydrocarbon thickness since the previous sampling. It should be noted that MW-4 was redrilled since the previous sampling and is now a 4-inch diameter well as opposed to previous MW-4, which was a 2-inch diameter well.
- TPH-G, TPH-D and BTEX concentrations in groundwater samples collected from monitoring well MW-5 remained non-detectable this quarter, and MTBE and DIPE concentrations remained low and similar to previous results. No other oxygenates or lead scavengers were detected.
- No hydrocarbons were detected in groundwater samples collected from monitoring well MW-6.
- TPH-G, BTEX and TBA concentrations increased from the previous sampling in groundwater samples collected from monitoring well MW-7.
- No hydrocarbons were detected in groundwater samples collected from monitoring well MW-8, indicating that the contamination has not reached the deeper water-bearing zones.

Concentrations in groundwater samples collected from the following wells exceeded Environmental Screening Levels (ESLs) for drinking water as presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region dated May 2008:

- Concentrations of TPH-G, benzene, toluene, ethyl benzene, and xylenes in groundwater samples collected from monitoring wells MW-2, MW-3 and MW-7 exceeded ESLs.

- Concentrations of TPH-G in groundwater samples collected from monitoring well MW-1 exceeded the ESLs

6.0 RECOMMENDATIONS

ASE recommends that the groundwater monitoring continue on a semi-annual sampling basis. ASE also recommends that monitoring wells MW-1, MW-5, MW-6 and MW-8 only be sampled annually. The next groundwater sampling event is scheduled for May 2010.

ASE also recommends that a remedial action plan for the installation of an ozone-sparging remediation system be prepared during the next quarter. Following the installation and start up of a groundwater remediation system, ASE will recommend that groundwater monitoring be modified to quarterly sampling for at least one year.

ASE also recommends bi-weekly bailing be initiated to removed free-floating hydrocarbons from monitoring well MW-4R.

7.0 REPORT LIMITATIONS

The results presented in this report 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-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to 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.

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

Attachments: Figures 1 and 2
Tables One, Two, and Three
Appendices A and B

cc: Mr. Jerry Wickham, ACHCSA

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
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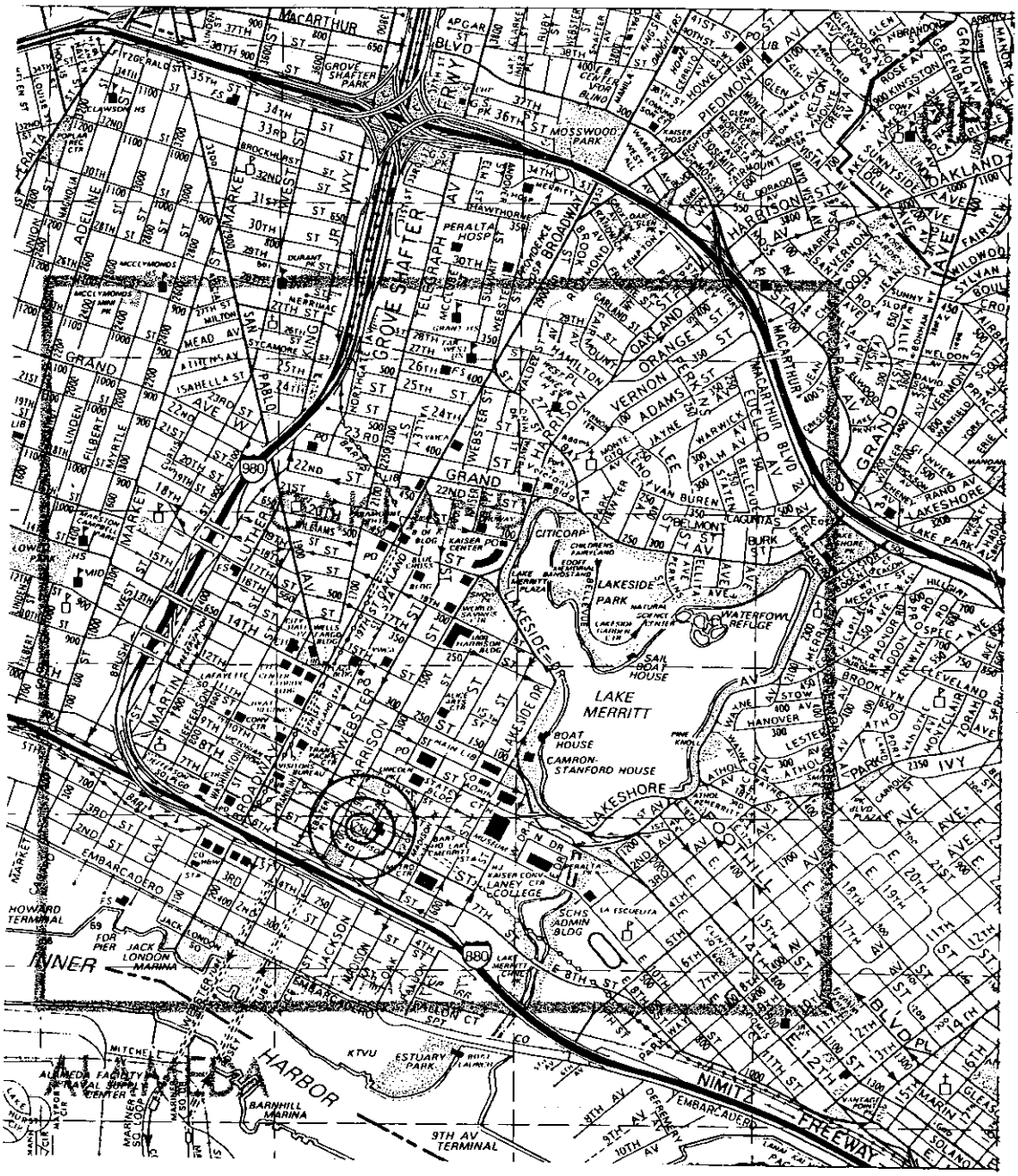
FIGURES

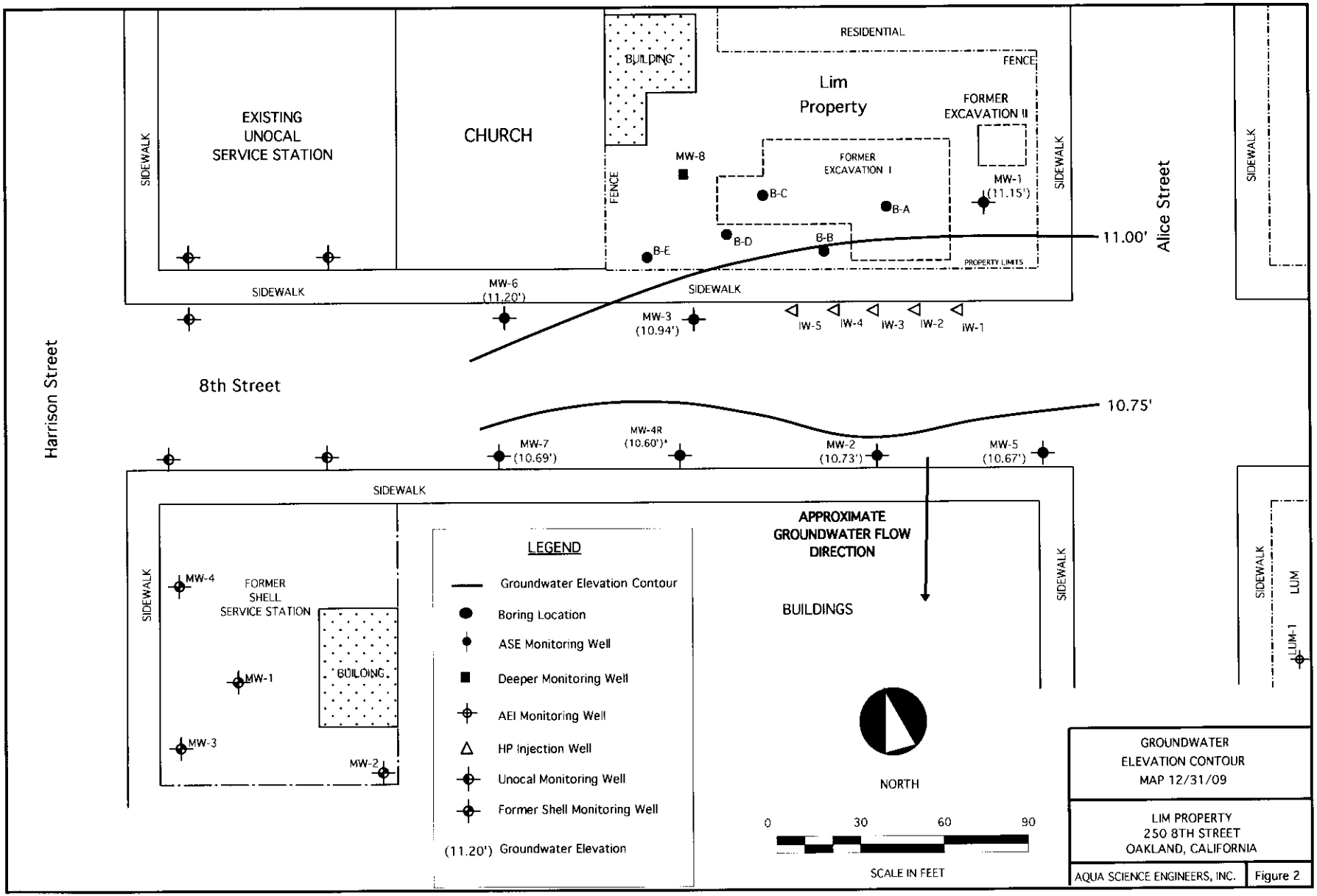


SITE LOCATION MAP

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


RESIDENTIAL
BUILDING
FENCE
Lim
Property
FORMER
EXCAVATION II
EXISTING
UNOCAL
SERVICE STATION
CHURCH
SIDEWALK
MW-8
FORMER
EXCAVATION I
MW-1
(11.15')
B-C
B-A
B-D
B-B
B-E
11.00'
Alice Street
PROPERTY LIMITS
MW-6
(11.20')
MW-3
(10.94')
IW-5
IW-4
IW-3
IW-2
IW-1
Harrison Street
8th Street
10.75'
MW-7
(10.69')
MW-4R
(10.60')*
MW-2
(10.73')
MW-5
(10.67')
APPROXIMATE
GROUNDWATER FLOW
DIRECTION
BUILDINGS
MW-4
FORMER
SHELL
SERVICE STATION
MW-1
BUILDING
MW-3
MW-2
LUM
LUM-1
LEGEND
Groundwater Elevation Contour
Boring Location
ASE Monitoring Well
Deeper Monitoring Well
AEI Monitoring Well
HP Injection Well
Unocal Monitoring Well
Former Shell Monitoring Well
(11.20') Groundwater Elevation
NORTH
0
30
60
90
SCALE IN FEET
GROUNDWATER
ELEVATION CONTOUR
MAP 12/31/09
LIM PROPERTY
250 8TH STREET
OAKLAND, CALIFORNIA
AQUA SCIENCE ENGINEERS, INC.
Figure 2

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
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TABLES

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
	07/17/01		16.54		8.97
	10/25/01		16.89		8.62
	01/21/02		14.92		10.59
	04/11/02		14.02		11.49
	06/11/02	29.72	15.33		14.39
	09/17/02		15.96		13.76
	12/18/02		16.14		13.58
	03/25/03		16.16		13.56
	06/23/03		16.01		13.71
	09/26/03		16.57		13.15
	12/18/03		16.41		13.31
	03/12/04		14.64		15.08
	06/17/04		15.71		14.01
	09/17/04		16.35		13.37
	12/17/04		16.10		13.62
	04/28/05		14.10		15.62
	07/19/05		15.94		13.78
	10/03/05		16.34		13.38
	12/06/05		16.21		13.51
	03/15/06		16.21		13.51
	06/28/06		14.92		14.80
	08/31/06		15.60		14.12
	11/21/06		17.20		12.52
	02/12/07		16.12		13.60
	05/02/07		16.92		12.80
	08/09/07		17.58		12.14
	12/06/07		18.60		11.12
	02/26/08		17.13		12.59
	05/30/08		18.17		11.55
	08/28/08		18.47		11.25
	12/11/08		19.19		10.53
	03/31/09		17.59		12.13
	12/31/09		**18.57**		**11.15**

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-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
	07/17/01		15.35		8.64
	10/25/01		15.63		8.36
	01/21/02		13.55		10.44
	04/11/02		13.74		10.25
	06/11/02	28.19	14.06		14.13
	09/17/02		14.67		13.52
	12/18/02		14.88		13.31
	03/25/03		15.11		13.08
	06/23/03		14.94		13.25
	09/26/03		15.49		12.70
	12/18/03		15.13		13.06
	03/12/04		13.50		14.69
	06/17/04		14.63		13.56
	09/17/04		15.19		13.00
	12/17/04		14.88		13.31
	04/28/05		13.39		14.80
	07/19/05		15.27		12.92
	10/03/05		15.57		12.62
	12/06/05		15.35		12.84
	03/15/06		12.65		15.54
	06/28/06		14.45		13.74
	08/31/06		15.37		12.82
	11/21/06		16.22		11.97
	02/12/07		16.12		12.07
	05/02/07		16.12		12.07
	08/09/07		16.85		11.34
	12/06/07		17.95		10.24
	02/26/08		16.15		12.04
	05/30/08		17.33		10.86
	08/28/08		17.53		10.66
	12/11/08		18.28		9.91
	03/31/09		16.63		11.56
	12/31/09		**17.46**		**10.73**

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	7.58*
	04/24/00		15.58	0.15	8.79*
	07/20/00		16.01	0.41	8.57*
	10/24/00		16.95	0.21	7.47*
	01/18/01		16.63	0.21	7.79*
	04/05/01		15.16	0.23	9.27*
	07/17/01		15.92	0.39	8.64*
	10/25/01		16.26	0.38	8.29*
	01/21/02		14.08	0.16	10.30*
	04/11/02		14.59	0.54	10.09*
	06/11/02	28.58	15.16	0.90	14.14*
	09/17/02		16.04	1.24	13.53*
	10/01/02		16.14	1.23	13.42*
	10/25/02		15.80	0.60	13.26*
	11/12/02		15.87	0.47	13.09*
	12/18/02		15.42	0.47	13.54*
	03/25/03		16.11	1.14	13.38*
	06/23/03		16.58	1.86	13.49*
	09/26/03		16.11	0.66	13.00*
	12/18/03		15.83	0.59	13.22*
	03/12/04		14.51	1.21	15.04*
	06/17/04		15.25	0.68	13.87*
	09/17/04		16.14	0.96	13.21*
	12/17/04		15.05	0.25	13.73*
	01/13/05		13.40	0.45	15.54*
	04/28/05		15.31	2.43	15.21*
	07/19/05		16.29	1.67	13.63*
	10/03/05		16.10	1.47	13.66*
	12/06/05		15.04	1.17	14.48*
	03/15/06		12.65	2.41	15.49*
	06/28/06		13.55	2.61	16.16*
	08/31/06		14.85	2.20	15.49*
	11/21/06		16.05	1.10	13.41*
	02/12/07		15.96	0.35	12.90*
	05/02/07		15.11	0.09	13.54*
	08/09/07		15.83	0.09	12.82*
	12/06/07		18.10	0.50	10.88*
	02/26/08		16.47	0.22	12.29*
	05/30/08		17.90	0.70	11.24*
	08/28/08		18.05	0.54	10.96*
	12/11/08		18.57	0.46	10.38*
	03/31/09		16.89	0.23	11.87*
	12/31/09		**17.64**	**sheen**	**10.94***

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-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
	07/17/01		15.92		7.79
	10/25/01		16.23		7.48
	01/21/01		14.14		9.57
	04/11/02		14.43		9.28
	06/11/02	28.61	14.72		13.89
	09/17/02		15.29		13.32
	12/18/02		15.20		13.41
	03/25/03		15.53		13.08
	06/23/03		15.35		13.26
	09/26/03		15.91		12.70
	12/18/03		15.63		12.98
	03/12/04		13.88		14.73
	06/17/04		15.03		13.58
	09/17/04		15.61		13.00
	12/17/04		15.32		13.29
	04/28/05		13.82		14.79
	07/19/05		15.44		13.17
	10/03/05		15.91		12.70
	12/06/05		15.71		12.90
	03/15/06		13.05		15.56
	06/28/06		14.49		14.12
	08/31/06		15.75		12.86
	11/21/06		16.70		11.91
	02/12/07		16.51		12.10
	05/02/07		16.51		12.10
	08/09/07		17.17		11.44
	12/06/07		18.08		10.53
	02/26/08		16.57		12.04
	05/30/08		17.66		10.95
	08/28/08		17.98		10.63
	12/11/08		18.61		10.00
	03/31/09		18.75	2.00	11.46*
	12/31/09		**19.85**	**2.30**	**10.60***

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-5	06/11/02	28.40	14.23		14.17
	09/17/02		14.80		13.60
	12/18/02		15.08		13.32
	03/25/03		15.31		13.09
	06/23/03		15.16		13.24
	09/26/03		15.72		12.68
	12/18/03		15.47		12.93
	03/12/04		13.44		14.96
	06/17/04		14.90		13.50
	09/17/04		15.45		12.95
	12/17/04		15.12		13.28
	04/28/05		13.63		14.77
	07/19/05		15.67		12.73
	10/03/05		15.81		12.59
	12/06/05		15.60		12.80
	03/15/06		12.81		15.59
	06/28/06		15.21		13.19
	08/31/06		15.55		12.85
	11/21/06		17.09		11.31
	02/12/07		16.29		12.11
	05/02/07		16.21		12.19
	08/09/07		16.97		11.43
	12/06/07		18.35		10.05
	02/26/08		16.35		12.05
	05/30/08		17.62		10.78
	08/28/08		17.72		10.68
	12/11/08		18.62		9.78
	03/31/09		16.94		11.46
	12/31/09		**17.73**		**10.67**

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-6	06/11/02	29.20	14.95		14.25
	09/17/02		15.47		13.73
	12/18/02		15.43		13.77
	03/25/03		15.67		13.53
	06/23/03		15.48		13.72
	09/26/03		NOT MEASURED - SOUNDER MALFUNCTION		
	12/18/03		15.79		13.41
	03/12/04		14.04		15.16
	06/17/04		15.13		14.07
	09/17/04		15.74		13.46
	12/17/04		15.54		13.66
	04/28/05		13.91		15.29
	07/19/05		15.30		13.90
	10/03/05		15.35		13.85
	12/06/05		15.69		13.51
	03/15/06		13.14		16.06
	06/28/06		14.44		14.76
	08/31/06		16.25		12.95
	11/21/06		16.69		12.51
	02/12/07		16.63		12.57
	05/02/07		16.57		12.63
	08/09/07		17.19		12.01
	12/06/07		17.95		11.25
	02/26/08		16.66		12.54
	05/30/08		17.64		11.56
	08/28/08		18.03		11.17
	12/11/08		18.54		10.66
	03/31/09		17.10		12.10
	12/31/09		**18.00**		**11.20**

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-7	06/11/02	28.95	15.19		13.76
	09/17/02		15.73		13.22
	12/18/02		NOT MEASURED - CAR PARKED OVER WELL		
	03/25/03		15.96		12.99
	06/23/03		15.75		13.20
	09/26/03		16.29		12.66
	12/18/03		16.03		12.92
	03/12/04		14.28		14.67
	06/17/04		15.42		13.53
	09/17/04		16.02		12.93
	12/17/04		15.45		13.50
	04/28/05		14.15		14.80
	07/19/05		15.30		13.65
	10/03/05		16.25		12.70
	12/06/05		16.05		12.90
	03/15/06		13.36		15.59
	06/28/06		14.81		14.14
	08/31/06		16.13		12.82
	11/21/06		17.06		11.89
	02/12/07		16.97		11.98
	05/02/07		16.93		12.02
	08/09/07		17.56		11.39
	12/06/07		18.32		10.63
	02/26/08		16.93		12.02
	05/30/08		17.97		10.98
	08/28/08		18.33		10.62
	12/11/08		18.86		10.09
	03/31/09		17.37		11.58
	12/31/09		**18.26**		**10.69**
MW-8	02/26/08	30.14	21.50		8.64
	05/30/08		22.52		7.62
	08/28/08		23.27		6.87
	12/11/08		23.15		6.99
	03/31/09		21.46		8.68
	12/31/09		**22.75**		**7.39**

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).

Top of casing elevations resurveyed by Mid Coast Engineers on 6/27/02 and 7/11/02.

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	DIPE	TBA	Other Oxys	EDC	EDB
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	---	---	---	< 0.5	< 0.5
01/26/98	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
07/23/98	190	< 50	0.54	2.8	2	1.8	< 5.0	---	---	---	< 2	< 2
01/05/99	200	< 50	1.8	1.6	3.3	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
07/13/99	340	<50	<0.5	<0.5	2.6	<0.5	< 5.0	---	---	---	< 0.5	< 0.5
01/12/00	300	1,000	22	36	5.5	24	< 5.0	---	---	---	< 0.5	< 0.5
04/24/00	360	280*	< 0.5	< 0.5	< 0.5	2.1	< 5.0	---	---	---	< 0.5	< 0.5
07/20/00	290	150*	1.8	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
10/24/00	170**	280*	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
01/18/01	170**	150*	< 0.5	<0.5	< 0.5	2.1	< 5.0	---	---	---	< 0.5	< 0.5
04/05/01	350**	190*	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
07/17/01	310	570	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
10/25/01	250	260	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
01/22/02	200	250	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
04/11/02	260	300	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
06/11/02	270	330	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
09/17/02	320	1,700	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
12/18/02	170	320	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
03/25/03	320	< 500	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
06/23/03	240	310	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
09/26/03	110	300	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
12/18/03	150	340	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
03/12/04	220	510	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
06/17/04	250	490	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
09/17/04	110	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	---	---
11/10/04***	180	400	0.68	< 0.5	1.7	< 0.5	< 5.0	---	---	---	---	---
12/17/04	77	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
04/28/05	250	190	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.67	< 0.5	< 0.5	< 0.5	< 0.5
07/19/05	340	na	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.76	< 5.0	< 0.5	< 0.5	< 0.5
10/03/05	170	< 100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.50	< 5.0	< 0.5	< 0.5	< 0.5
12/06/05	140	67	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
03/15/06	170	< 80	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
06/28/06	230	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
08/31/06	310	< 200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
11/21/06	220	160	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
02/23/07	140	120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.2	< 5.0	< 0.50	< 0.50	< 0.50
05/02/07	180	140	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.3	< 5.0	< 0.50	< 0.50	< 0.50
08/09/07	130	120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.85	< 5.0	< 0.50	< 0.50	< 0.50
12/06/07	53	160	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 5.0	< 0.50	< 0.50	< 0.50
02/26/08	93	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.1	< 5.0	< 0.50	< 0.50	< 0.50
05/30/08	200	240	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.95	< 5.0	< 0.50	< 0.50	< 0.50
08/28/08	150	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.2	< 5.0	< 0.50	---	---
12/11/08	110	140	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.92	< 5.0	< 0.50	---	---
03/31/09	160	< 200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.8	< 5.0	< 0.50	< 0.50	< 0.50
12/31/09	**140**	**200**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**0.84**	**< 5.0**	**< 0.50**	**< 0.50**	**< 0.50**

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	DIPE	TBA	Other Oxys	EDC	EDB
MW-2												
01/30/95	88,000	800	19,000	16,000	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	---	---	---	< 0.5	< 0.5
01/26/98	50,000	11,000	12,000	12,000	1,600	6,700	< 250	---	---	---	11	< 0.5
07/23/98	50,000	8,100#	11,000	8,300	1,800	7,000	1,100	---	---	---	9.9	< 0.5
01/05/99	50,000	7,600#	12,000	12,000	2,300	9,600	1,300	---	---	---	< 50	< 50
07/13/99	73,000	8,500	11,000	13,000	2,200	9,800	< 500	---	---	---	7.7	< 0.5
01/12/00	63,000	11,000	10,000	12,000	1,800	7,800	< 500	---	---	---	8.8	< 1.0
04/24/00	76,000	23,000*	7,100	14,000	2,000	9,400	< 500	---	---	---	5.9	< 5.0
07/20/00	68,000	5,300#	11,000	14,000	2,300	11,000	< 1,000	---	---	---	6.7	< 5.0
10/24/00	48,000	6,400*	11,000	9,400	1,500	7,300	< 500	---	---	---	< 5.0	< 5.0
01/18/01	37,000	4,600*	6,900	5,600	1,200	5,300	< 500	---	---	---	< 5.0	< 5.0
04/05/01	59,000	4,600*	7,100	9,800	1,600	7,600	< 500	---	---	---	4.6	< 5.0
07/17/01	90,000	< 10,000	9,200	14,000	2,700	11,000	< 50	---	---	---	< 50	---
10/25/01	79,000	< 3,800	9,200	14,000	2,400	11,000	< 50	---	---	---	< 50	< 50
01/22/02	76,000	< 2,300	7,000	13,000	2,200	9,600	< 50	---	---	---	< 50	< 50
04/11/02	76,000	< 1,500	7,800	11,000	2,900	12,000	< 50	---	---	---	---	---
06/11/02	72,000	< 2,500	7,300	9,600	2,500	12,000	< 50	---	---	---	---	---
09/17/02	52,000	< 3,000	5,000	5,400	2,100	9,100	< 20	---	---	---	< 20	< 20
12/18/02	46,000	< 6,000	2,900	3,000	1,800	7,600	22	---	---	---	< 10	< 10
03/25/03	87,000	< 8,000	7,900	9,300	2,900	12,000	< 50	---	---	---	< 50	< 50
06/23/03	46,000	< 3000	7,800	4,000	1,900	6,600	< 50	---	---	---	< 50	< 50
09/26/03	52,000	< 3000	9,100	3,500	1,300	5,000	< 50	---	---	---	< 50	< 50
12/18/03	61,000	< 4,000	13,000	3,500	1,600	5,600	< 20	---	---	---	< 20	< 20
03/12/04	53,000	< 4,000	9,100	3,500	1,700	5,700	< 25	---	---	---	< 25	< 25
06/17/04	59,000	< 3,000	7,100	4,000	1,700	7,300	< 25	---	---	---	< 25	< 25
09/17/04	33,000	--	9,800	1,200	1,300	4,000	< 20	---	---	---	---	---
11/10/04***	44,000	3,600	13,000	4,400	1,600	6,000	< 1000	---	---	---	---	---
12/17/04	54,000	< 3,000	7,900	2,200	1,700	3,900	< 15	---	---	---	< 15	< 15
04/28/05	81,000	< 3,000	7,000	6,000	2,100	8,700	< 15	90	< 15	< 15	< 15	< 15
07/19/05	59,000	na	7,900	4,400	1,900	7,000	< 15	< 15	77	< 15	< 15	< 15
10/03/05	34,000	< 800	7,800	810	1,000	2,800	< 15	< 15	< 70	< 15	< 15	< 15
12/06/05	26,000	< 800	6,100	940	770	2,000	< 15	---	---	---	---	---
03/15/06	33,000	< 1,500	7,700	2,600	1,400	4,200	< 15	< 15	< 15	< 15	< 15	< 15
06/28/06	96,000	< 4,000	10,000	14,000	2,900	12,000	< 15	< 15	< 5.0	< 15	33	< 15
8/31/06	47,000	< 3,000	5,800	5,100	2,200	8,700	< 15	< 15	81	< 15	< 15	< 15
11/21/06	51,000	< 1,500	6,800	3,400	1,700	6,200	< 15	< 15	82	< 15	< 15	< 15
02/23/07	38,000	< 1,500	7,800	2,000	1,500	4,600	< 15	< 15	190	< 15	< 15	< 15
05/02/07	55,000	< 3,000	6,500	5,100	2,400	8,600	< 15	< 15	110	< 15	< 15	< 15
08/09/07	39,000	< 3,000	6,600	2,200	1,600	4,900	< 15	< 15	81	< 15	< 15	< 15
12/06/07	20,000	< 1,500	7,400	510	680	1,200	< 15	< 15	120	< 15	< 15	< 15
02/26/08	43,000	< 4,000	8,200	940	1,400	3,700	< 15	< 15	70	< 15	< 15	< 15
05/30/08	31,000	< 1,000	11,000	620	1,100	2,300	< 15	< 15	84	< 15	< 15	< 15
08/28/08	38,000	< 3,000	11,000	630	1,400	3,800	< 25	< 25	< 150	< 25	---	---
12/11/08	32,000	< 2,000	11,000	610	1,000	2,700	< 25	< 25	< 150	< 25	---	---
03/31/09	44,000	< 4,000	6,500	3,300	1,700	5,600	< 9.0	< 9.0	56	< 9.0	< 9.0	< 9.0
12/31/09	**36,000**	**< 4,000**	**9,700**	**350**	**1,600**	**3,800**	**< 9.0**	**13**	**56**	**< 9.0**	**< 9.0**	**< 9.0**

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	DIPE	TBA	Other Oxys	EDC	EDB
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											
07/17/01	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
10/25/01	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
01/22/02	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
04/11/02	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/11/02	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
09/17/02	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/18/02	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
03/25/03	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/23/03	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
09/26/03	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/18/03	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
03/12/04	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/17/04	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
09/17/04	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
11/10/04	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/17/04	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
04/28/05	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
07/19/05	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
10/03/05	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/06/05	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
03/15/06	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/28/06	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
8/31/06	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
11/21/06	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
02/23/07	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
05/02/07	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
08/09/07	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/06/07	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
02/26/08	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
05/30/08	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
08/28/08	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/11/08	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
03/31/09	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/31/09	**60,000**	**< 25,000**	**7,500**	**6,500**	**1,000**	**6,600**	**< 20**	**< 20**	**< 90**	**< 20**	**< 20**	**< 20**

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	DIPE	TBA	Other Oxys	EDC	EDB
MW-4												
01/12/00	99,000	7,900*	16,000	20,000	2,100	12,000	< 2,500	---	---	---	< 50	< 50
04/24/00	54,000	44,000*	3,400/	13,000/	1,800/	8,800/	< 1,300	---	---	---	< 250	< 250
			4,500	20,000	2,800	14,000						
07/20/00	8,000	3,500	9,200/	20,000	2,500	12,000/	< 1,000	---	---	---	< 200	< 200
			11,000	22,000	3,400	13,000						
10/24/00	98,000	8,000*	21,000	29,000	2,700	15,000	< 1,000	---	---	---	< 250	< 250
01/18/01	91,000	12,000	17,000/	21,000/	2,500/	13,000/	<1,000	---	---	---	< 250	< 250
			15,000	21,000	2,800	11,000	<5,000					
04/05/01	88,000	7,500*	6,900/	18,000/	2,500/	12,000/	< 1,000	---	---	---	< 50	< 50
			3,200	9,000	1,300	6,400	< 500					
07/17/01	95,000	< 3,000	8,000	16,000	2,900	11,000	49	---	---	---	69	---
10/25/01	89,000	< 2,200	9,300	18,000	2,400	12,000	66	---	---	---	72	< 50
01/22/02	80,000	< 2,300	4,600	15,000	2,500	11,000	< 50	---	---	---	< 50	< 50
04/11/02	90,000	< 900	6,600	18,000	2,800	12,000	55	---	---	---	---	---
06/25/02	110,000	< 3,000	10,000	20,000	2,900	13,000	< 100	---	---	---	< 100	< 100
09/17/02	110,000	< 3,000	9,600	21,000	2,800	13,000	< 100	---	---	---	< 100	< 100
12/18/02	97,000	< 4,000	8,000	20,000	2,600	12,000	< 50	---	---	---	< 50	< 50
03/25/03	97,000	< 7,500	7,600	22,000	2,500	12,000	< 100	---	---	---	< 100	< 100
06/23/03	100,000	< 3,000	9,600	22,000	3,300	15,000	< 100	---	---	---	< 100	< 100
09/26/03	110,000	< 4,000	9,300	17,000	2,100	10,000	< 50	---	---	---	87	< 50
12/18/03	110,000	< 2,000	8,900	19,000	2,500	12,000	< 25	---	---	---	46	< 25
03/12/04	96,000	< 4,000	6,500	18,000	2,700	12,000	< 40	---	---	---	< 40	< 40
06/17/04	110,000	< 4,000	10,000	20,000	2,900	13,000	< 50	---	---	---	93	< 50
09/17/04	78,000	--	9,300	15,000	2,400	11,000	<50	---	---	---	---	---
11/10/04***	87,000	4,300	15,000	21,000	3,000	16,000	< 1300	---	---	---	---	---
12/17/04	88,000	< 3,000	8,500	16,000	2,800	12,000	< 25	---	---	---	53	< 25
04/28/05	110,000	< 3,000	7,800	14,000	2,200	10,000	< 25	< 25	< 25	< 25	46	< 25
07/19/05	90,000	na	10,000	13,000	2,300	10,000	< 40	< 20	< 20	< 20	73	< 40
10/03/05	68,000	< 800	9,400	4,000	1,800	8,700	23	23	< 5.0	< 20	62	< 20
12/06/05	81,000	< 1,500	8,900	7,200	2,200	9,500	< 20	---	---	---	---	---
03/15/06	68,000	< 3,000	7,300	14,000	2,500	10,000	< 20	< 20	< 20	< 20	< 20	< 20
06/28/06	61,000	< 3,000	8,500	4,100	2,600	11,000	< 20	< 20	< 5.0	< 20	20	< 20
08/31/06	68,000	< 2,000	9,500	9,600	2,500	12,000	< 20	< 20	< 5.0	< 20	36	< 20
11/21/06	68,000	< 1,500	9,000	5,000	2,000	9,300	< 20	< 20	230	< 20	42	< 20
02/23/07	90,000	< 2,000	11,000	11,000	2,800	12,000	< 20	< 20	290	< 20	36	< 20
05/02/07	56,000	< 2,000	7,300	6,300	2,500	11,000	< 15	< 15	160	< 15	20	< 15
08/09/07	52,000	< 2,000	7,600	2,600	2,100	8,400	< 15	15	170	< 15	31	< 15
12/06/07	60,000	< 2,000	13,000	2,000	2,800	11,000	< 15	22	150	< 15	< 15	< 15
02/26/08	42,000	< 2,000	3,700	2,300	2,300	8,900	< 15	< 15	90	< 15	< 15	< 15
05/30/08	64,000	< 3,000	9,200	5,100	3,000	12,000	< 15	< 15	83	< 15	19	< 15
08/28/08	73,000	< 5,000	9,700	5,500	3,300	12,000	< 15	< 15	< 70	< 15	---	---
12/11/08	120,000	< 40,000	14,000	12,000	4,400	19,000	< 25	< 25	< 150	< 25	---	---
03/31/09	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/31/09	**NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS**											

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	DIPE	TBA	Other Oxys	EDC	EDB
MW-5												
06/11/02	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	2.8	---	---	---	< 0.5	< 0.5
09/17/02	< 50	110	< 0.5	< 0.5	< 0.5	< 0.5	4.8	---	---	---	< 0.5	< 0.5
12/18/02	< 50	140	< 0.5	< 0.5	< 0.5	< 0.5	1.8	---	---	---	< 0.5	< 0.5
03/25/03	< 50	130	< 0.5	< 0.5	< 0.5	< 0.5	7.4	---	---	---	< 0.5	< 0.5
06/23/03	< 50	390	< 0.5	< 0.5	< 0.5	< 0.5	17	---	---	---	< 0.5	< 0.5
09/26/03	< 50	700	< 0.5	< 0.5	< 0.5	< 0.5	21	---	---	---	< 0.5	< 0.5
12/18/03	< 50	550	< 0.5	< 0.5	< 0.5	< 0.5	16	---	---	---	< 0.5	< 0.5
03/12/04	< 50	490	< 0.5	< 0.5	< 0.5	< 0.5	9.1	---	---	---	< 40	< 40
06/17/04	< 50	510	< 0.5	< 0.5	< 0.5	< 0.5	9.8	---	---	---	< 0.5	< 0.5
09/17/04	< 50	--	< 0.5	< 0.5	< 0.5	< 0.5	5.5	---	---	---	---	---
11/10/04***	< 50	370	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
12/17/04	< 50	120	< 0.5	< 0.5	< 0.5	< 0.5	9.2	---	---	---	< 0.5	< 0.5
04/28/05	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	2.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
07/19/05	< 50	na	< 0.5	< 0.5	< 0.5	< 0.5	6.1	2.1	< 5.0	< 0.5	< 0.5	< 0.5
10/03/05	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	2.4	1.7	< 5.0	< 0.5	< 0.5	< 0.5
12/06/05	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
03/15/06	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	3.3	< 0.5	< 5.0	< 0.5	< 0.5	< 0.5
06/28/06	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 0.5	< 5.0	< 0.5	< 0.5	< 0.5
08/31/06	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	3.4	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/05/06	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	5.2	1.7	5.4	< 0.50	< 0.50	< 0.50
02/23/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	6.0	1.4	< 5.0	< 0.50	< 0.50	< 0.50
05/02/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	3.8	1.3	< 5.0	< 0.50	< 0.50	< 0.50
08/09/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	5.5	1.3	< 5.0	< 0.50	< 0.50	< 0.50
12/06/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	1.8	1.5	< 5.0	< 0.50	< 0.50	< 0.50
02/26/08	260	< 50	32	1.3	0.62	0.92	3.4	5.6	7.7	< 0.50	0.60	< 0.50
05/30/08	71	< 50	1.8	< 0.50	< 0.50	< 0.50	2.4	3.1	< 5.0	< 0.50	< 0.50	< 0.50
08/28/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	2.1	2.2	< 5.0	< 0.50	---	---
12/11/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	2.2	2.5	< 5.0	< 0.50	---	---
03/31/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	1.2	1.3	< 5.0	< 0.50	< 0.50	< 0.50
12/31/09	**< 50**	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**1.9**	**1.5**	**< 5.0**	**< 0.50**	**< 0.50**	**< 0.50**

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	DIPE	TBA	Other Oxys	EDC	EDB
MW-6												
06/11/02	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	1.2	---	---	---	< 0.5	< 0.5
09/17/02	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	1.0	---	---	---	< 0.5	< 0.5
12/18/02	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	0.90	---	---	---	< 0.5	< 0.5
03/25/03	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	< 0.5	< 0.5
06/23/03	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
09/26/03	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
12/18/03	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
03/12/04	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
06/17/04	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
09/17/04	< 50	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	---	---
11/10/04***	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
12/17/04	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	---	---	---	< 0.5	< 0.5
04/28/05	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
07/19/05	< 50	na	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5	< 0.5
10/03/05	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5	< 0.5
12/06/05	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	---	---	---	---	---
03/15/06	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
06/28/06	< 50	< 50	< 0.5	< 0.5	< 0.5	0.65	< 0.5	< 0.5	< 5.0	< 0.5	< 0.5	< 0.5
08/31/06	< 50	< 50	< 0.50	2.4	0.90	4.0	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
11/21/06	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
02/23/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
05/02/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
08/09/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/06/07	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
02/26/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
05/30/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
08/28/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	---	---
12/11/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	---	---
03/31/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/31/09	**< 50**	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 5.0**	**< 0.50**	**< 0.50**	**< 0.50**

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	DIPE	TBA	Other Oxys	EDC	EDB
MW-7												
06/25/02	38,000	< 2,000	890	5,100	1,200	5,200	< 20	---	---	---	< 20	< 20
09/17/02	26,000	< 2,000	590	3,600	880	4,000	< 20	---	---	---	< 20	< 20
12/18/02	NOT SAMPLED - CAR PARKED OVER WELL											
03/25/03	39,000	< 2,900	410	7,700	1,000	6,400	< 5.0	---	---	---	< 2.5	< 2.5
06/23/03	17,000	< 1,000	440	2,600	630	2,600	< 10	---	---	---	< 10	< 10
09/26/03	17,000	< 1,000	230	1,800	470	2,200	< 5.0	---	---	---	< 5.0	< 5.0
12/18/03	20,000	< 1,000	290	2,500	590	2,900	< 5.0	---	---	---	< 5.0	< 5.0
03/12/04	20,000	< 1,500	300	3,000	760	3,200	< 10	---	---	---	< 10	< 10
06/17/04	12,000	< 800	250	1,800	450	1,900	< 5.0	---	---	---	< 5.0	< 5.0
09/17/04	9,900	--	200	1,500	450	1,800	< 5.0	---	---	---	---	---
11/10/04***	20,000	1,900	550	4,200	920	4,000	< 500	---	---	---	---	---
12/17/04	14,000	< 800	220	1,700	530	2,000	< 3.0	---	---	---	< 3.0	< 3.0
04/28/05	13,000	< 300	84	1,000	660	2,200	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
07/19/05	16,000	na	170	1,800	540	2,200	< 2.5	< 2.5	< 5.0	< 2.5	< 2.5	< 2.5
10/03/05	7,400	< 200	140	710	350	1,100	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/06/05	22,000	< 600	240	2,300	800	3,400	< 5.0	---	---	---	---	---
03/15/06	3,800	< 200	4.6	160	120	620	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/28/06	6,400	< 500	19.0	340	490	940	< 0.90	< 0.50	< 5.0	< 0.50	< 0.90	< 0.90
08/31/06	20,000	< 600	160	2,200	1,300	3,500	< 2.5	1.4	< 15	< 5.0	< 2.5	< 2.5
11/21/06	21,000	< 1,000	240	2,500	880	3,400	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
02/23/07	10,000	< 200	150	1,300	580	2,400	< 2.5	< 2.5	< 15	< 2.5	< 2.5	< 2.5
05/02/07	26,000	< 1,000	300	2,400	1,800	6,700	< 2.5	< 2.5	< 50	< 2.5	< 2.5	< 2.5
08/09/07	13,000	< 800	250	800	1,000	3,000	< 2.5	< 2.5	< 15	< 2.5	< 2.5	< 2.5
12/06/07	9,600	< 1,000	160	850	530	2,000	< 2.5	< 2.5	45	< 2.5	< 2.5	< 2.5
02/26/08	14,000	< 800	190	1,000	740	3,000	< 2.5	< 2.5	69	< 2.5	< 2.5	< 2.5
05/30/08	9,900	< 200	160	620	590	2,300	< 2.5	< 2.5	< 15	< 2.5	< 2.5	< 2.5
08/28/08	11,000	< 800	180	500	650	2,400	< 2.5	< 2.5	< 15	< 2.5	---	---
12/11/08	8,000	< 500	160	300	540	1,600	< 2.5	< 2.5	< 15	< 2.5	---	---
03/31/09	5,600	< 300	82	190	360	1,000	< 1.5	< 1.5	< 7.0	< 1.5	< 1.5	< 1.5
12/31/09	**16,000**	**< 800**	**140**	**1,200**	**750**	**2,800**	**< 0.5**	**< 0.50**	**10**	**< 0.50**	**< 0.50**	**< 0.50**
MW-8												
02/26/08	< 50	< 50	0.51	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
05/30/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
08/28/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	---	---
12/11/08	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	---	---
03/31/09	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/31/09	**< 50**	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 5.0**	**< 0.50**	**< 0.50**	**< 0.50**
ESL	**100**	**100**	**1**	**40**	**30**	**20**	**5**					

Notes:

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

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

*** = Grab sample - Not purged

= Estimated concentration reported due to overlapping fuel patterns.

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

na = not analyzed

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

Most recent data in bold.

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2008)" document prepared by the California Regional Water Quality

TPH = Total petroleum hydrocarbons

MTBE = Methyl tertiary butyl ether

DIPE = Diisopropyl ether

TBA = Tery-butanol

Oxy = Oxygenates

EDC = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

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	MW-5	MW-6	MW-7	MW-8
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	-	-	-	-	-	-
7/13/99								
Hydrocarbon Oil and Grease	-	< 1,000	-	-	-	-	-	-
Tetrachloroethene	1.5	0.68	-	-	-	-	-	-
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	-	-	-	-
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	-	-	-	-
4/24/00								
Hydrocarbon Oil and Grease	-	<1,000	4,100	< 1,000	-	-	-	-
1,2-Dichloroethane	< 0.5	5.9	< 1,000	< 250	-	-	-	-
Naphthalene	-	-	3,600	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	-	< 1,000		< 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	-	-	-	-
Naphthalene	-	-	SAMPLED	730	-	-	-	-
Other VOCs	< 0.5 - < 20	< 5.0 - < 20		< 250 - < 20,000	-	-	-	-
10/24/00			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	-	-	-	-
1/18/01			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	-	-	-	-

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	MW-5	MW-6	MW-7	MW-8
4/5/0'								
Hydrocarbor Oil and Grease	-	< 1.0	FREE	1,100.0	-	-	-	-
Tetrachloroethene	< 0.5	1.'	PRODUCT	< 50	-	-	-	-
1,2 dichloroethane	< 0.5	4.6	...	< 50	-	-	-	-
Trchloroethene	< 0.5	0.58	NOT	< 50	-	-	-	-
Naphthalene	-	-	...	320	-	-	-	-
Other VOCs	< 0.5 - < 2.0	< 5.0 - < 20	SAMPLED	< 50 - < 5,000	-	-	-	-
7/17/0'								
Hydrocarbon Oil and Grease	-	< 5.00	FREE	< 500	-	-	-	-
Tetrachloroethene	-	-	PRODUCT	-	-	-	-	-
1,2 dichloroethane	< 0.5	< 50	...	69.0	-	-	-	-
Trichloroethene	-	-	NOT	-	-	-	-	-
Naphthalene	-	-	...	-	-	-	-	-
Other VOCs	-	-	SAMPLED	-	-	-	-	-

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX A

Well Sampling Field Log

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-31-09

WELL ID. MW-1 SAMPLER RK

TOTAL DEPTH OF WELL 26.80 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.57

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 8.23

NUMBER OF GALLONS PER WELL CASING VOLUME 1.4

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.2 gal

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 16:00 TIME EVACUATION COMPLETED 16:15

TIME SAMPLES WERE COLLECTED 16:20

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4.2 gal

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR None (clear) ODOR/SEDIMENT slight odor / no silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	65.6	6.99	559
2	66.2	6.99	547
3	66.3	6.99	546

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40 ml VOA	TPH-G/BTEX/Oxy/TPH-D	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-31-09

WELL ID. MW-2 SAMPLER RK

TOTAL DEPTH OF WELL 26.80 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 17.46

PRODUCT THICKNESS sheen

DEPTH OF WELL CASING IN WATER 9.34

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.8 gal

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 1444 TIME EVACUATION COMPLETED 15:00

TIME SAMPLES WERE COLLECTED 1510

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4.8 gal

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR None ODOR/SEDIMENT Mod. hc odor / small amount of black silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	64.9	6.99	565
2	66.2	6.99	480
3	66.4	6.99	470

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	5	40-ml VOA	TPH-G/BTEX/ OXY/TPH-D	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-3-09

WELL ID. MW-3 SAMPLER RK

TOTAL DEPTH OF WELL 30' WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 17.64

PRODUCT THICKNESS sheen

DEPTH OF WELL CASING IN WATER 12.36

NUMBER OF GALLONS PER WELL CASING VOLUME 2.1

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6-3

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 15:25 TIME EVACUATION COMPLETED 15:40

TIME SAMPLES WERE COLLECTED 15:45

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6-3

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR black ODOR/SEDIMENT Strong HC / black silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.8	6.99	560
2	66.5	6.99	430
3	66.5	6.99	420

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40-ml VOA	TPH-G/BTEX/OXY/TPH-D	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-31-09

WELL ID. MW-5 SAMPLER RK

TOTAL DEPTH OF WELL 29.60 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 17.73

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 11.87

NUMBER OF GALLONS PER WELL CASING VOLUME 2.0

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.0 gal

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 1400 TIME EVACUATION COMPLETED 1420

TIME SAMPLES WERE COLLECTED 1430

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED ~~BTS~~ RP 6.0 gal

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR None ODOR/SEDIMENT None / None

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	63.5	6.99	620
2	66.4	6.99	518
3	66.4	6.99	510

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERV
MW-5	5	40-ml VOA	TPH-G/BTGX/ OXY/TPH-D	HCl

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-31-09

WELL ID. MW-6 SAMPLER RK

TOTAL DEPTH OF WELL 29.50 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 18.00

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 11.50

NUMBER OF GALLONS PER WELL CASING VOLUME 2.0

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 6.0 gal

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 1300 TIME EVACUATION COMPLETED 1320

TIME SAMPLES WERE COLLECTED 1330

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6.0 gal

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR turbid yellow brown ODOR/SEDIMENT None / yellow brown silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	62.8	6.98	620
2	66.2	6.99	485
3	66.4	6.99	480

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	5	40-ml VOA	TPH-G/BTEX/	HCl
			5 Oxy/TPH-D	

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-31-09

WELL ID. MW-7 SAMPLER

TOTAL DEPTH OF WELL 28.00 WELL DIAMETER

DEPTH TO WATER PRIOR TO PURGING 18.24

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 9.74

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.8 gal

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 1200 TIME EVACUATION COMPLETED 1220

TIME SAMPLES WERE COLLECTED 1230

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4.8 gal

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR turbid black ODOR/SEDIMENT mod. hc / black silt

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	64.2	6.99	620
2	66.0	6.99	465
3	66.2	6.99	460

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-7	5	40-ml VOA	TPH-G/BTEX/	HCl
			5 Oxy/TPH-D	

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME Lim

JOB NUMBER 2808 DATE OF SAMPLING 12-31-09

WELL ID. MW-8 SAMPLER RK

TOTAL DEPTH OF WELL 49.00 WELL DIAMETER 2"

DEPTH TO WATER PRIOR TO PURGING 22.75

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 26.25

NUMBER OF GALLONS PER WELL CASING VOLUME 4.46

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 13.4 gal

EQUIPMENT USED TO PURGE WELL Disposable bailer

TIME EVACUATION STARTED 16:30 TIME EVACUATION COMPLETED 16:50

TIME SAMPLES WERE COLLECTED 1655

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 13.5 gal

SAMPLING DEVICE Disposable bailer

SAMPLE COLOR None ODOR/SEDIMENT None / None

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	62.8	6.97	620
2	64.4	6.99	440
3	64.4	6.95	430

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-8	5	40-ml VOA	TPH-G/BTEX/Oxy/TPH-D	HCl

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APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

David Allen
Aqua Science Engineers, Inc.
55 Oak Court, Suite 220
Danville, CA 94526

Subject : 7 Water Samples
Project Name : Lim
Project Number : 2808

Dear Mr. Allen,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Subject : 7 Water Samples
Project Name : Lim
Project Number : 2808

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with sample MW-7 for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-1** Matrix : Water Lab Number : 71436-01
Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Diisopropyl ether (DIPE)	**0.84**	0.50	ug/L	EPA 8260B	01/05/2010
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	01/05/2010
TPH as Gasoline	**140**	50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	01/05/2010
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	01/05/2010
TPH as Diesel (Silica Gel)	**200**	50	ug/L	M EPA 8015	01/05/2010
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
Octacosane (Silica Gel Surr)	101		% Recovery	M EPA 8015	01/05/2010

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-2** Matrix : Water Lab Number : 71436-02
Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**9700**	20	ug/L	EPA 8260B	01/05/2010
Toluene	**350**	9.0	ug/L	EPA 8260B	01/04/2010
Ethylbenzene	**1600**	9.0	ug/L	EPA 8260B	01/04/2010
Total Xylenes	**3800**	9.0	ug/L	EPA 8260B	01/04/2010
Methyl-t-butyl ether (MTBE)	**< 9.0**	9.0	ug/L	EPA 8260B	01/04/2010
Diisopropyl ether (DIPE)	**13**	9.0	ug/L	EPA 8260B	01/04/2010
Ethyl-t-butyl ether (ETBE)	**< 9.0**	9.0	ug/L	EPA 8260B	01/04/2010
Tert-amyl methyl ether (TAME)	**< 9.0**	9.0	ug/L	EPA 8260B	01/04/2010
Tert-Butanol	**56**	50	ug/L	EPA 8260B	01/04/2010
TPH as Gasoline	**36000**	900	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane	**< 9.0**	9.0	ug/L	EPA 8260B	01/04/2010
1,2-Dibromoethane	**< 9.0**	9.0	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane-d4 (Surr)	98.8		% Recovery	EPA 8260B	01/04/2010
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	01/04/2010
TPH as Diesel (Silica Gel)	**< 4000**	4000	ug/L	M EPA 8015	01/05/2010
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Silica Gel Surr)	103		% Recovery	M EPA 8015	01/05/2010

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-3** Matrix : Water Lab Number : 71436-03
Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**7500**	20	ug/L	EPA 8260B	01/05/2010
Toluene	**6500**	20	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	**1000**	20	ug/L	EPA 8260B	01/05/2010
Total Xylenes	**6600**	20	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	**< 20**	20	ug/L	EPA 8260B	01/05/2010
Diisopropyl ether (DIPE)	**< 20**	20	ug/L	EPA 8260B	01/05/2010
Ethyl-t-butyl ether (ETBE)	**< 20**	20	ug/L	EPA 8260B	01/05/2010
Tert-amyl methyl ether (TAME)	**< 20**	20	ug/L	EPA 8260B	01/05/2010
Tert-Butanol	**< 90**	90	ug/L	EPA 8260B	01/05/2010
TPH as Gasoline	**60000**	2000	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	**< 20**	20	ug/L	EPA 8260B	01/05/2010
1,2-Dibromoethane	**< 20**	20	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane-d4 (Surr)	95.3		% Recovery	EPA 8260B	01/05/2010
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	01/05/2010
TPH as Diesel (Silica Gel)	**< 25000**	25000	ug/L	M EPA 8015	01/05/2010
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Silica Gel Surr)	120		% Recovery	M EPA 8015	01/05/2010

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-5** Matrix : Water Lab Number : 71436-04

Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	**1.9**	0.50	ug/L	EPA 8260B	01/05/2010
Diisopropyl ether (DIPE)	**1.5**	0.50	ug/L	EPA 8260B	01/05/2010
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	01/05/2010
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane-d4 (Surr)	98.8		% Recovery	EPA 8260B	01/05/2010
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	01/05/2010
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	01/05/2010
Octacosane (Silica Gel Surr)	98.7		% Recovery	M EPA 8015	01/05/2010

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-6** Matrix : Water Lab Number : 71436-05
Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	01/05/2010
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	01/05/2010
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	01/05/2010
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	01/05/2010
Octacosane (Silica Gel Surr)	99.2		% Recovery	M EPA 8015	01/05/2010

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-7** Matrix : Water Lab Number : 71436-06

Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**140**	0.50	ug/L	EPA 8260B	01/04/2010
Toluene	**1200**	5.0	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	**750**	5.0	ug/L	EPA 8260B	01/05/2010
Total Xylenes	**2800**	5.0	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Tert-Butanol	**10**	5.0	ug/L	EPA 8260B	01/04/2010
TPH as Gasoline	**16000**	500	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane-d4 (Surr)	98.1		% Recovery	EPA 8260B	01/04/2010
Toluene - d8 (Surr)	93.8		% Recovery	EPA 8260B	01/04/2010
TPH as Diesel (Silica Gel)	**< 800**	800	ug/L	M EPA 8015	01/05/2010
(Note: MRL increased due to interference from Gasoline-range hydrocarbons.)					
Octacosane (Silica Gel Surr)	106		% Recovery	M EPA 8015	01/05/2010

KIFF Analytical LLC

Report Number : 71436
Date : 01/06/2010

Project Name : **Lim**
Project Number : **2808**

Sample : **MW-8** Matrix : Water Lab Number : 71436-07
Sample Date :12/31/2009

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	01/04/2010
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	EPA 8260B	01/04/2010
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	01/04/2010
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	01/05/2010
Octacosane (Silica Gel Surr)	99.6		% Recovery	M EPA 8015	01/05/2010

Report Number : 71436

Date : 01/06/2010

QC Report : Method Blank Data

Project Name : **Lim**

Project Number : **2808**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	01/05/2010
Octacosane (Silica Gel Surr)	97.6		%	M EPA 8015	01/05/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	01/04/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	01/04/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	01/04/2010
Toluene - d8 (Surr)	100		%	EPA 8260B	01/04/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	01/04/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	01/04/2010
Toluene - d8 (Surr)	98.6		%	EPA 8260B	01/04/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	01/05/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	01/05/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane-d4 (Surr)	99.3		%	EPA 8260B	01/05/2010
Toluene - d8 (Surr)	103		%	EPA 8260B	01/05/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	01/04/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	01/04/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/04/2010
1,2-Dichloroethane-d4 (Surr)	98.3		%	EPA 8260B	01/04/2010
Toluene - d8 (Surr)	99.7		%	EPA 8260B	01/04/2010

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 71436

Date : 01/06/2010

QC Report : Method Blank Data

Project Name : **Lim**

Project Number : **2808**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	01/05/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	01/05/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/05/2010
1,2-Dichloroethane-d4 (Surr)	98.2		%	EPA 8260B	01/05/2010
Toluene - d8 (Surr)	99.3		%	EPA 8260B	01/05/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 71436

Date : 01/06/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Lim**

Project Number : **2808**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH-D (Si Gel)														
	BLANK	<50	1000	1000	863	922	ug/L	M EPA 8015	1/5/10	86.3	92.2	6.66	70-130	25
1,2-Dibromoethane														
	71433-02	<0.50	40.0	40.0	37.5	35.8	ug/L	EPA 8260B	1/4/10	93.8	89.5	4.61	80-120	25
1,2-Dichloroethane														
	71433-02	<0.50	39.3	39.3	31.4	30.8	ug/L	EPA 8260B	1/4/10	80.1	78.5	2.05	75.7-122	25
Benzene														
	71433-02	<0.50	40.2	40.2	36.4	36.9	ug/L	EPA 8260B	1/4/10	90.6	91.6	1.14	80-120	25
Diisopropyl ether														
	71433-02	<0.50	39.6	39.6	37.6	38.5	ug/L	EPA 8260B	1/4/10	95.1	97.3	2.30	80-120	25
Ethyl-tert-butyl ether														
	71433-02	<0.50	40.0	40.0	38.6	39.4	ug/L	EPA 8260B	1/4/10	96.6	98.6	2.09	76.5-120	25
Ethylbenzene														
	71433-02	<0.50	40.0	40.0	36.9	37.7	ug/L	EPA 8260B	1/4/10	92.2	94.3	2.23	80-120	25
Methyl-t-butyl ether														
	71433-02	<0.50	40.3	40.3	37.7	37.1	ug/L	EPA 8260B	1/4/10	93.4	92.0	1.48	69.7-121	25
P + M Xylene														
	71433-02	<0.50	38.9	38.9	36.9	37.6	ug/L	EPA 8260B	1/4/10	94.7	96.6	2.00	76.8-120	25

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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Lim**

Project Number : **2808**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol														
	71433-02	<5.0	200	200	192	196	ug/L	EPA 8260B	1/4/10	96.2	98.2	2.05	80-120	25
Tert-amyl-methyl ether														
	71433-02	<0.50	40.0	40.0	36.7	36.5	ug/L	EPA 8260B	1/4/10	91.8	91.4	0.419	78.9-120	25
Toluene														
	71433-02	<0.50	40.0	40.0	38.0	38.3	ug/L	EPA 8260B	1/4/10	94.9	95.8	0.911	80-120	25
1,2-Dibromoethane														
	71436-06	<0.50	40.4	40.4	40.9	41.2	ug/L	EPA 8260B	1/4/10	101	102	0.619	80-120	25
1,2-Dichloroethane														
	71436-06	<0.50	39.6	39.6	33.5	33.3	ug/L	EPA 8260B	1/4/10	84.6	84.1	0.634	75.7-122	25
Benzene														
	71436-06	140	40.6	40.6	171	169	ug/L	EPA 8260B	1/4/10	63.8	58.2	9.20	80-120	25
Diisopropyl ether														
	71436-06	<0.50	39.9	39.9	38.5	38.9	ug/L	EPA 8260B	1/4/10	96.4	97.6	1.22	80-120	25
Ethyl-tert-butyl ether														
	71436-06	<0.50	40.3	40.3	37.6	38.2	ug/L	EPA 8260B	1/4/10	93.4	94.9	1.62	76.5-120	25
Methyl-t-butyl ether														
	71436-06	<0.50	40.6	40.6	37.5	37.5	ug/L	EPA 8260B	1/4/10	92.3	92.2	0.0971	69.7-121	25

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Project Name : **Lim**

Project Number : **2808**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol														
	71436-06	10	202	202	198	205	ug/L	EPA 8260B	1/4/10	93.0	96.5	3.71	80-120	25
Tert-amyl-methyl ether														
	71436-06	<0.50	40.3	40.3	37.0	37.4	ug/L	EPA 8260B	1/4/10	91.9	92.9	1.09	78.9-120	25
1,2-Dibromoethane														
	71436-01	<0.50	40.4	40.4	42.3	41.8	ug/L	EPA 8260B	1/5/10	105	104	1.26	80-120	25
1,2-Dichloroethane														
	71436-01	<0.50	39.6	39.6	37.1	36.6	ug/L	EPA 8260B	1/5/10	93.8	92.4	1.39	75.7-122	25
Benzene														
	71436-01	<0.50	40.6	40.6	36.9	36.3	ug/L	EPA 8260B	1/5/10	90.9	89.6	1.47	80-120	25
Diisopropyl ether														
	71436-01	0.84	39.9	39.9	38.2	38.1	ug/L	EPA 8260B	1/5/10	93.8	93.4	0.367	80-120	25
Ethyl-tert-butyl ether														
	71436-01	<0.50	40.3	40.3	36.8	36.8	ug/L	EPA 8260B	1/5/10	91.3	91.3	0.0222	76.5-120	25
Ethylbenzene														
	71436-01	<0.50	40.3	40.3	39.5	38.8	ug/L	EPA 8260B	1/5/10	97.9	96.3	1.64	80-120	25
Methyl-t-butyl ether														
	71436-01	<0.50	40.6	40.6	36.0	36.0	ug/L	EPA 8260B	1/5/10	88.5	88.7	0.186	69.7-121	25

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Project Name : **Lim**

Project Number : **2808**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
P + M Xylene														
	71436-01	<0.50	39.2	39.2	37.7	37.4	ug/L	EPA 8260B	1/5/10	96.1	95.3	0.898	76.8-120	25
Tert-Butanol														
	71436-01	<5.0	202	202	188	189	ug/L	EPA 8260B	1/5/10	93.5	93.5	0.0547	80-120	25
Tert-amyl-methyl ether														
	71436-01	<0.50	40.3	40.3	36.5	36.1	ug/L	EPA 8260B	1/5/10	90.6	89.7	0.975	78.9-120	25
Toluene														
	71436-01	<0.50	40.3	40.3	39.8	39.2	ug/L	EPA 8260B	1/5/10	98.8	97.2	1.58	80-120	25
1,2-Dibromoethane														
	71436-07	<0.50	40.4	40.4	41.4	41.1	ug/L	EPA 8260B	1/4/10	103	102	0.724	80-120	25
1,2-Dichloroethane														
	71436-07	<0.50	39.6	39.6	34.5	33.9	ug/L	EPA 8260B	1/4/10	87.1	85.7	1.69	75.7-122	25
Benzene														
	71436-07	<0.50	40.6	40.6	35.6	34.4	ug/L	EPA 8260B	1/4/10	87.9	84.9	3.49	80-120	25
Diisopropyl ether														
	71436-07	<0.50	39.9	39.9	38.4	37.6	ug/L	EPA 8260B	1/4/10	96.2	94.2	2.08	80-120	25
Ethyl-tert-butyl ether														
	71436-07	<0.50	40.3	40.3	38.8	38.6	ug/L	EPA 8260B	1/4/10	96.3	95.9	0.415	76.5-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 71436

Date : 01/06/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Lim**

Project Number : **2808**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Ethylbenzene	71436-07	<0.50	40.3	40.3	36.4	35.1	ug/L	EPA 8260B	1/4/10	90.4	87.0	3.89	80-120	25
Methyl-t-butyl ether	71436-07	<0.50	40.6	40.6	37.6	37.5	ug/L	EPA 8260B	1/4/10	92.6	92.3	0.300	69.7-121	25
P + M Xylene	71436-07	<0.50	39.2	39.2	39.4	37.8	ug/L	EPA 8260B	1/4/10	100	96.3	4.13	76.8-120	25
Tert-Butanol	71436-07	<5.0	202	202	193	195	ug/L	EPA 8260B	1/4/10	95.8	96.5	0.749	80-120	25
Tert-amyl-methyl ether	71436-07	<0.50	40.3	40.3	36.5	36.1	ug/L	EPA 8260B	1/4/10	90.6	89.6	1.03	78.9-120	25
Toluene	71436-07	<0.50	40.3	40.3	36.8	35.5	ug/L	EPA 8260B	1/4/10	91.3	88.0	3.65	80-120	25
1,2-Dibromoethane	71436-04	<0.50	40.4	40.4	41.4	41.3	ug/L	EPA 8260B	1/5/10	103	102	0.230	80-120	25
1,2-Dichloroethane	71436-04	<0.50	39.6	39.6	34.5	34.3	ug/L	EPA 8260B	1/5/10	87.3	86.8	0.608	75.7-122	25
Benzene	71436-04	<0.50	40.6	40.6	35.4	34.7	ug/L	EPA 8260B	1/5/10	87.2	85.7	1.77	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 71436

Date : 01/06/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Lim**

Project Number : **2808**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Diisopropyl ether														
	71436-04	1.5	39.9	39.9	39.6	39.3	ug/L	EPA 8260B	1/5/10	95.5	94.8	0.724	80-120	25
Ethyl-tert-butyl ether														
	71436-04	<0.50	40.3	40.3	38.8	38.8	ug/L	EPA 8260B	1/5/10	96.2	96.3	0.121	76.5-120	25
Ethylbenzene														
	71436-04	<0.50	40.3	40.3	36.1	35.6	ug/L	EPA 8260B	1/5/10	89.6	88.4	1.44	80-120	25
Methyl-t-butyl ether														
	71436-04	1.9	40.6	40.6	39.3	39.4	ug/L	EPA 8260B	1/5/10	92.0	92.2	0.208	69.7-121	25
P + M Xylene														
	71436-04	<0.50	39.2	39.2	38.9	38.6	ug/L	EPA 8260B	1/5/10	99.1	98.4	0.702	76.8-120	25
Tert-Butanol														
	71436-04	<5.0	202	202	194	196	ug/L	EPA 8260B	1/5/10	96.2	97.1	0.921	80-120	25
Tert-amyl-methyl ether														
	71436-04	<0.50	40.3	40.3	36.2	36.2	ug/L	EPA 8260B	1/5/10	89.8	89.8	0.0918	78.9-120	25
Toluene														
	71436-04	<0.50	40.3	40.3	36.6	36.0	ug/L	EPA 8260B	1/5/10	90.8	89.2	1.75	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 71436

Date : 01/06/2010

QC Report : Laboratory Control Sample (LCS)

Project Name : **Lim**

Project Number : **2808**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dibromoethane	40.4	ug/L	EPA 8260B	1/4/10	93.8	80-120
1,2-Dichloroethane	39.6	ug/L	EPA 8260B	1/4/10	79.6	75.7-122
Benzene	40.6	ug/L	EPA 8260B	1/4/10	90.8	80-120
Diisopropyl ether	39.9	ug/L	EPA 8260B	1/4/10	96.2	80-120
Ethyl-tert-butyl ether	40.3	ug/L	EPA 8260B	1/4/10	98.0	76.5-120
Ethylbenzene	40.3	ug/L	EPA 8260B	1/4/10	94.2	80-120
Methyl-t-butyl ether	40.6	ug/L	EPA 8260B	1/4/10	94.1	69.7-121
P + M Xylene	39.2	ug/L	EPA 8260B	1/4/10	97.0	76.8-120
Tert-Butanol	202	ug/L	EPA 8260B	1/4/10	97.8	80-120
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	1/4/10	92.0	78.9-120
Toluene	40.3	ug/L	EPA 8260B	1/4/10	95.1	80-120
1,2-Dibromoethane	39.9	ug/L	EPA 8260B	1/4/10	104	80-120
1,2-Dichloroethane	39.9	ug/L	EPA 8260B	1/4/10	97.4	75.7-122
Benzene	39.9	ug/L	EPA 8260B	1/4/10	100	80-120
Diisopropyl ether	39.8	ug/L	EPA 8260B	1/4/10	103	80-120
Ethyl-tert-butyl ether	40.2	ug/L	EPA 8260B	1/4/10	104	76.5-120
Methyl-t-butyl ether	40.5	ug/L	EPA 8260B	1/4/10	100	69.7-121
Tert-Butanol	201	ug/L	EPA 8260B	1/4/10	99.1	80-120
Tert-amyl-methyl ether	40.2	ug/L	EPA 8260B	1/4/10	101	78.9-120
1,2-Dibromoethane	40.2	ug/L	EPA 8260B	1/5/10	106	80-120

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QC Report : Laboratory Control Sample (LCS)

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Project Number : **2808**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dichloroethane	40.2	ug/L	EPA 8260B	1/5/10	103	75.7-122
Benzene	40.2	ug/L	EPA 8260B	1/5/10	100	80-120
Diisopropyl ether	40.1	ug/L	EPA 8260B	1/5/10	101	80-120
Ethyl-tert-butyl ether	40.5	ug/L	EPA 8260B	1/5/10	96.6	76.5-120
Ethylbenzene	40.2	ug/L	EPA 8260B	1/5/10	103	80-120
Methyl-t-butyl ether	40.8	ug/L	EPA 8260B	1/5/10	93.9	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	1/5/10	99.1	76.8-120
TPH as Gasoline	508	ug/L	EPA 8260B	1/5/10	102	80-120
Tert-Butanol	203	ug/L	EPA 8260B	1/5/10	98.2	80-120
Tert-amyl-methyl ether	40.5	ug/L	EPA 8260B	1/5/10	101	78.9-120
Toluene	40.2	ug/L	EPA 8260B	1/5/10	104	80-120
1,2-Dibromoethane	39.8	ug/L	EPA 8260B	1/4/10	104	80-120
1,2-Dichloroethane	39.8	ug/L	EPA 8260B	1/4/10	95.2	75.7-122
Benzene	39.8	ug/L	EPA 8260B	1/4/10	96.1	80-120
Diisopropyl ether	39.7	ug/L	EPA 8260B	1/4/10	102	80-120
Ethyl-tert-butyl ether	40.1	ug/L	EPA 8260B	1/4/10	102	76.5-120
Ethylbenzene	39.8	ug/L	EPA 8260B	1/4/10	96.9	80-120
Methyl-t-butyl ether	40.4	ug/L	EPA 8260B	1/4/10	98.0	69.7-121
P + M Xylene	39.8	ug/L	EPA 8260B	1/4/10	102	76.8-120
TPH as Gasoline	510	ug/L	EPA 8260B	1/4/10	93.7	80-120
Tert-Butanol	201	ug/L	EPA 8260B	1/4/10	100	80-120
Tert-amyl-methyl ether	40.1	ug/L	EPA 8260B	1/4/10	99.2	78.9-120

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QC Report : Laboratory Control Sample (LCS)

Project Name : **Lim**

Project Number : **2808**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	39.8	ug/L	EPA 8260B	1/4/10	97.0	80-120
1,2-Dibromoethane	40.0	ug/L	EPA 8260B	1/5/10	103	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	1/5/10	95.5	75.7-122
Benzene	40.0	ug/L	EPA 8260B	1/5/10	96.0	80-120
Diisopropyl ether	39.9	ug/L	EPA 8260B	1/5/10	102	80-120
Ethyl-tert-butyl ether	40.3	ug/L	EPA 8260B	1/5/10	102	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	1/5/10	98.0	80-120
Methyl-t-butyl ether	40.6	ug/L	EPA 8260B	1/5/10	97.0	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	1/5/10	102	76.8-120
TPH as Gasoline	511	ug/L	EPA 8260B	1/5/10	104	80-120
Tert-Butanol	202	ug/L	EPA 8260B	1/5/10	101	80-120
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	1/5/10	98.2	78.9-120
Toluene	40.0	ug/L	EPA 8260B	1/5/10	96.6	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Aqua Science Engineers, Inc.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

71436

PAGE 1 of 1

SAMPLER (SIGNATURE) K. C. Kiff

PROJECT NAME Lim JOB NO. 2808

ADDRESS 250 8th Street, Oakland, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL w/Silica cal (EPA 3510/8015) cleanup	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	CAM 17 METALS (EPA 6010+7000)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	Pb (TOTAL or DISSOLVED) (EPA 6010)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8260)	PURGEABLE HALOCARBONS (EPA 601/8010)	TPH-G/BTEX/5 OXYS 1/16 scale (EPA METHOD 8260)	MULTI-RANGE HYDROCARBONS WITH SILICA GEL CLEANUP (EPA 8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	LUFT METALS (5) (EPA 6010+7000)	COMPOSITE 4:1	EDF	
MW-1	12-31-09	1620	W	5		X								X					Y	01
MW-2		1510				X								X					X	02
MW-3		1545				X								X					Y	03
MW-5		1430				X								X					X	04
MW-6		1330				X								X					X	05
MW-7		1230				X								X					X	06
MW-8		1155				X								X					X	07

RELINQUISHED BY: K. C. Kiff 1345
(signature) (time)
Robert E. Kiff 1-4-10
(printed name) (date)
Company-ASE, INC.

RECEIVED BY:
(signature) (time)
(printed name) (date)
Company-

RELINQUISHED BY:
(signature) (time)
(printed name) (date)
Company-

RECEIVED BY LABORATORY: 1345
(signature) (time)
Levi Roberts 010410
(printed name) (date)
Company- Kiff Analytical

COMMENTS:

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

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER LJR Initials

SRG#: 71436 Date: 010410

Project ID: Lim

Method of Receipt: ☒ Courier ☐ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☒ Yes	☐ No	
Custody seals on shipping container?	☐ Intact	☐ Broken ☐ Not present	☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated?	☒ Yes	☐ No	
Is sampler name legibly indicated on COC?	☒ Yes	☐ No	
Is analysis or hold requested for all samples	☒ Yes	☐ No	
Is the turnaround time indicated on COC?	☒ Yes	☐ No	
Is COC free of whiteout and uninitialed cross-outs?	☒ Yes	☐ No, Whiteout ☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 4.2 Therm. ID# IR-5 Initial LJR Date/Time 010410/1532 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)		☐ No, Extra sample(s) present	
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No	
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No	
Are preservatives indicated? ☒ Yes, on sample containers	☐ Yes, on COC	☐ Not indicated	☐ N/A
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A
Are samples within holding time for analyses requested?	☒ Yes	☐ No	
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No	
Is there sufficient sample to perform testing?	☒ Yes	☐ No	

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA	Container type VOA	# of containers received 35
Matrix	Container type	# of containers received
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 010410 Time: 1536

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A

COMMENTS: