Alameda County Health Care Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: RO #479, Report

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have further questions I may be reached at 925-381-3608.

Sincerely,

Russell Lim

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

August 19, 2013

SEMI-ANNUAL GROUNDWATER MONITORING REPORT
JUNE 2013 GROUNDWATER SAMPLING
(Revised)
at
Lim Family Property
250 8th Street
Oakland, California

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391

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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 report has been revised and includes tables missing from the previous version of this report.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On June 18, 2013, 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. No free-floating hydrocarbons were present in any of the monitoring wells. This is only the third sampling event where neither monitoring well MW-3 nor MW-4R contained free-floating hydrocarbons. Groundwater elevation data is presented in Table One. Water levels have dropped approximately 1-foot since December 2012.

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 approximately 0.01 feet/foot during this sampling period. The gradient and flow direction are generally consistent with previous findings.

3.0 MONITORING WELL SAMPLING

On June 18, 2013, ASE collected groundwater samples from all eight monitoring wells for analysis. 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

- Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-1 are similar to concentrations from the previous sampling and significantly lower than concentrations from 1 year ago in June 2012.

- Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-2 increased noticeably from the results from the previous two sampling events. However, they still remain significantly lower than results from pre-remediation conditions.

- No free-floating hydrocarbons were detected in monitoring well MW-3 this period. However, very high hydrocarbon concentrations (100,000 ppb TPH-G, 220,000 ppb TPH-D, 6,700 ppb benzene, 7,900 ppb toluene, 2,000 ppb ethyl benzene, and 15,000 ppb total xylenes) were detected in the groundwater sample collected from this monitoring well.

- No free-floating hydrocarbons were detected in monitoring well MW-4R this period. Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-4R are relatively similar to the previous sampling and continue to represent a significant decrease of up to several orders of magnitude from pre-remediation conditions. The toluene and total xylene concentrations decreased to a historic low.

- No hydrocarbon concentrations were detected in groundwater samples collected from monitoring well MW-5 during this sampling period, which is a slight decrease from the December 2012 sampling event.

- No hydrocarbons or oxygenates were detected in groundwater samples collected from monitoring well MW-6. No hydrocarbons have been detected in this well since 2006.

- There was a significant decrease in hydrocarbon concentrations detected in groundwater samples collected from monitoring well MW-7 during this sampling event, with most compounds at or near historic low concentrations.

- No hydrocarbons were detected in groundwater samples collected from monitoring well MW-8, other than 83 ppb TPH-D, 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, MW-4R and MW-7 exceeded ESLs.

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

6.0 RECOMMENDATIONS

ASE recommends continued operation of the remediation systems.

ASE also recommends that the site remain on a semi-annual sampling schedule. The next groundwater sampling event is scheduled for December 2013. ASE recommends removal of monitoring wells MW-6 and MW-8 from the groundwater monitoring program since neither has contained a hydrocarbon concentration exceeding an ESL for at least five years.

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, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
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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.

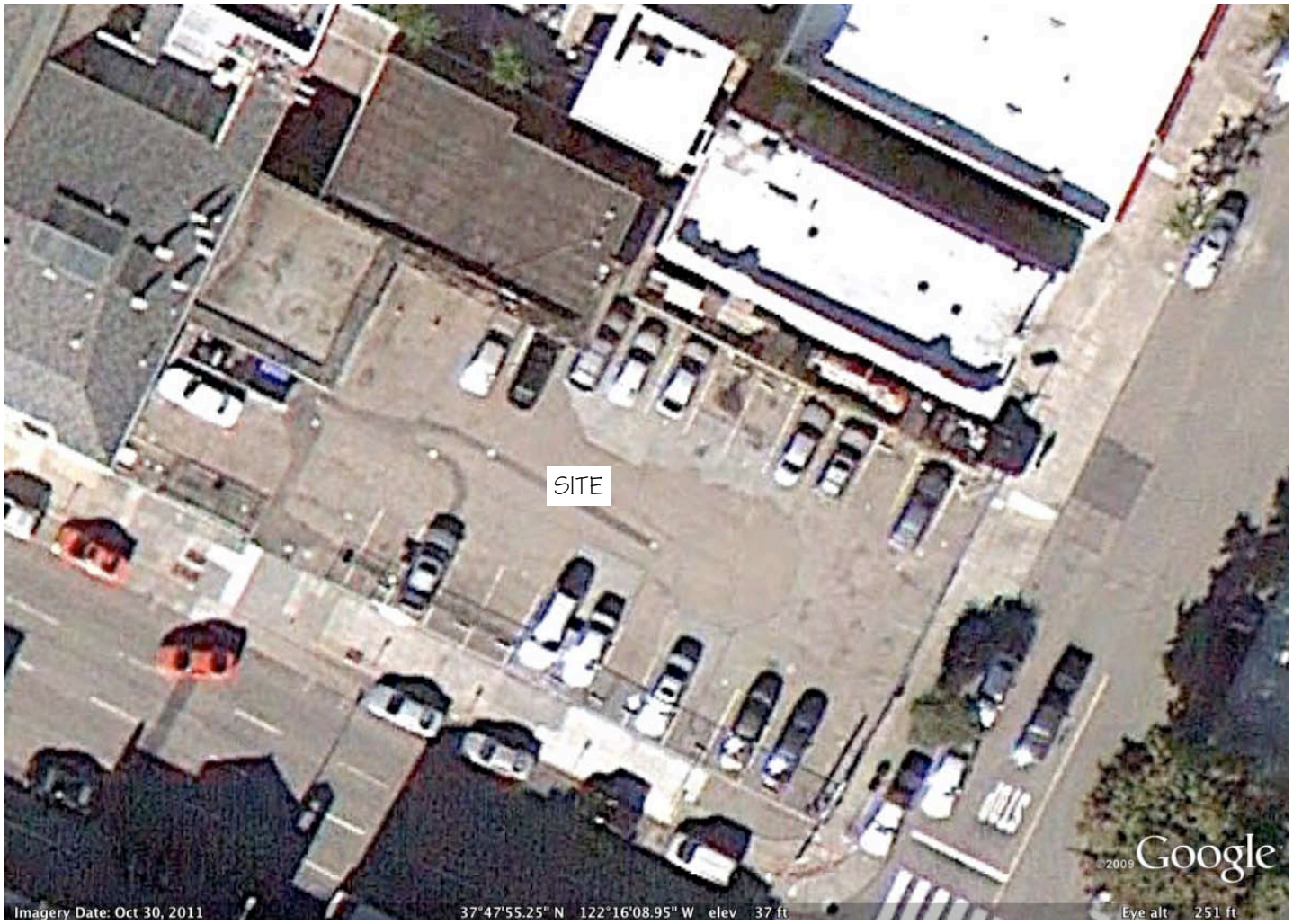
Robert E. Kitay, P.G.
Senior Geologist

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
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

FIGURES



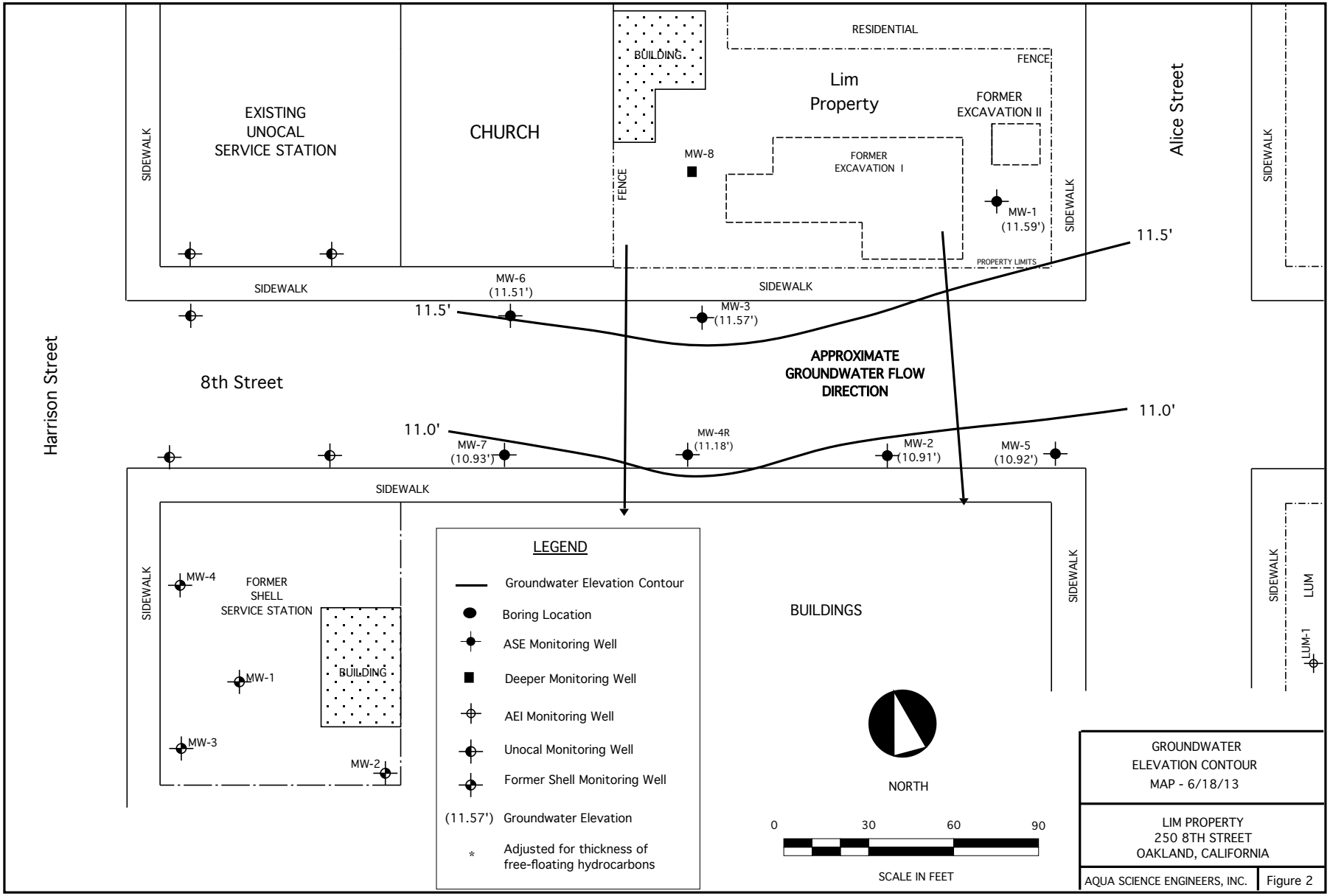
NORTH

NOT TO SCALE

SITE LOCATION MAP

Lim Family Property
250 8th Street
Oakland, California

Aqua Science Engineers	Figure 1


RESIDENTIAL
FENCE
BUILDING
Lim
Property
FORMER
EXCAVATION II
EXISTING
UNOCAL
SERVICE STATION
CHURCH
MW-8
FORMER
EXCAVATION I
FENCE
SIDEWALK
Alice Street
SIDEWALK
MW-1
(11.59')
SIDEWALK
PROPERTY LIMITS
SIDEWALK
MW-6
(11.51')
11.5'
MW-3
(11.57')
11.5'
APPROXIMATE
GROUNDWATER FLOW
DIRECTION
Harrison Street
8th Street
11.0'
MW-7
(10.93')
MW-4R
(11.18')
MW-2
(10.91')
MW-5
(10.92')
11.0'
SIDEWALK
SIDEWALK
MW-4
FORMER
SHELL
SERVICE STATION
MW-1
BUILDING
MW-3
MW-2
BUILDINGS
SIDEWALK
SIDEWALK
LUM
LUM-1
LEGEND
Groundwater Elevation Contour
Boring Location
ASE Monitoring Well
Deeper Monitoring Well
AEI Monitoring Well
Unocal Monitoring Well
Former Shell Monitoring Well
(11.57') Groundwater Elevation
* Adjusted for thickness of free-floating hydrocarbons
NORTH
0
30
60
90
SCALE IN FEET
GROUNDWATER
ELEVATION CONTOUR
MAP - 6/18/13
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
	06/03/10		16.94		12.78
	12/20/10		18.21		11.51
	06/30/11		17.43		12.29
	06/22/12		17.08		12.64
	12/13/12		17.32		12.40
	06/18/13		**18.13**		**11.59**

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
	06/03/10		16.00		12.19
	12/20/10		17.25		10.94
	06/30/11		16.55		11.64
	06/22/12		16.36		11.83
	12/13/12		16.24		11.95
	06/18/13		**17.28**		**10.91**

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*
	06/03/10		16.58	0.56	12.45*
	12/20/10		17.20	0.45	11.74*
	06/30/11		15.92		12.66
	06/22/12		16.64	0.69	12.48*
	12/13/12		16.24	None	12.34
	06/18/13		**17.01**		**11.57**

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*
MW-4R	12/31/09	28.78	19.85	2.30	10.77*
	06/03/10		18.67	2.57	12.17*
	12/20/10		18.95	2.00	11.43*
	06/30/11		16.45		12.33
	06/22/12		16.69		12.09
	12/13/12		16.61		12.17
	06/18/13		**17.60**		**11.18**

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
	06/03/10		16.20		12.20
	12/20/10		17.72		10.68
	06/30/11		16.75		11.65
	06/22/12		16.41		11.99
	12/13/12		16.46		11.94
	06/18/13		**17.48**		**10.92**

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
	06/03/10		16.58		12.62
	12/20/10		17.40		11.80
	06/30/11		17.02		12.18
	06/22/12		16.70		12.50
	12/13/12		16.77		12.43
	06/18/13		**17.69**		**11.51**

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
	06/03/10		16.86		12.09
	12/20/10		17.70		11.25
	06/30/11		17.36		11.59
	06/22/12		17.03		11.92
	12/13/12		17.01		11.94
	06/18/13		**18.02**		**10.93**
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
	06/03/10		21.06		9.08
	12/20/10		22.18		7.96
	06/30/11		21.95		8.19
	06/22/12		21.23		8.91
	12/13/12		21.89		8.25
	06/18/13		**22.44**		**7.70**

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
06/03/10	300	140	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.72	< 5.0	< 0.50	< 0.50	< 0.50
12/20/10	140	180	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/30/11	650	< 200	1.9	< 0.50	< 0.50	< 0.50	< 0.50	0.78	< 5.0	< 0.50	< 0.50	< 0.50
06/22/12	750	< 200	23	< 0.50	1.1	2.3	< 0.50	0.80	12	< 0.50	< 0.50	< 0.50
12/13/12	180	90	2.6	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/18/13	**370**	**84**	**1.5**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**0.52**	**< 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	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	---	---	---	< 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
06/03/10	53,000	< 10,000	8,600	2,600	2,500	8,000	< 5.0	8.9	69	< 5.0	< 5.0	< 5.0
12/20/10	39,000	< 4,000	13,000	530	1,600	3,600	< 15	21	< 70	< 15	< 15	< 15
06/30/11	65,000	< 6,000	7,300	5,900	2,400	10,000	< 20	< 20	< 90	< 20	< 20	< 20
06/22/12	1,200	140	50	56	4.0	160	< 0.50	1.6	17	< 0.50	1.1	< 0.50
12/13/12	2,400	66	890	4.1	9.6	16	< 0.50	5.4	17	< 0.50	1.4	< 0.50
06/18/13	**5,300**	**88**	**2,400**	**7.8**	**80**	**31**	**< 1.5**	**7.8**	**17**	**< 1.5**	**< 1.5**	**< 1.5**

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
06/03/10	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/20/10	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/30/11	140,000	< 40,000	12,000	21,000	4,000	17,000	< 20	< 20	< 90	< 20	< 20	< 20
06/22/12	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS (0.69-feet)											
12/13/12	99,000	< 12,000	5,800	5,800	2,100	11,000	< 10	< 10	60	< 10	< 10	< 10
06/18/13	**100,000**	**220,000**	**6,700**	**7,900**	**2,000**	**15,000**	**< 10**	**< 10**	**< 50**	**< 10**	**< 10**	**< 10**

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/ 4,500	13,000/ 20,000	1,800/ 2,800	8,800/ 14,000	< 1,300	---	---	---	< 250	< 250
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	---	---	---	< 200	< 200
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/ 15,000	21,000/ 21,000	2,500/ 2,800	13,000/ 11,000	<1,000 <5,000	---	---	---	< 250	< 250
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	---	---	---	< 50	< 50
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											
MW-4R												
12/31/09	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/03/10	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
12/20/10	NOT SAMPLED DUE TO FREE-FLOATING HYDROCARBONS											
06/30/11	190,000	< 30,000	3,800	11,000	2,900	20,000	< 25	< 25	< 150	< 25	< 25	< 25
06/22/12	4,500	< 200	31	53	5.0	500	6.3	6.1	180	< 0.5	21	< 0.5
12/13/12	3,700	< 200	97	76	50	590	< 0.50	1.0	41	< 0.50	2.5	< 0.50
06/18/13	**3,800**	**110**	**37**	**33**	**10**	**400**	**1.5**	**2.5**	**120**	**< 0.50**	**7.2**	**< 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-5												
06/11/02	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	28	---	---	---	< 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
06/03/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	0.56	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/20/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	0.61	0.67	< 5.0	< 0.50	< 0.50	< 0.50
06/30/11	< 50	< 50	1.6	< 0.50	< 0.50	< 0.50	< 0.50	1.0	< 5.0	< 0.50	< 0.50	< 0.50
06/22/12	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/13/12	79	< 50	2.7	< 0.50	0.86	0.74	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/18/13	**< 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-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
06/03/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/20/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/30/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/22/12	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/13/12	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/18/13	**< 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
06/03/10	22,000	< 2,000	160	1,000	1,300	3,500	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
12/20/10	23,000	< 1,000	230	820	1,500	4,900	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
06/30/11	26,000	< 4,000	190	310	1,800	3,900	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
06/22/12	10,000	< 600	120	52	1,100	310	< 2.0	< 2.0	43	< 2.0	< 2.0	< 2.0
12/13/12	16,000	610	78	80	1,000	940	< 2.5	< 2.5	< 15	< 2.5	< 2.5	< 2.5
06/18/13	**6,000**	**250**	**19**	**22**	**310**	**390**	**< 0.90**	**< 0.90**	**6.3**	**< 0.90**	**< 0.90**	**< 0.90**

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-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
06/03/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/20/10	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/30/11	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/22/12	< 50	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
12/13/12	< 50	56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 0.50
06/18/13	**< 50**	**83**	**< 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 Control Board, San Francisco Bay Region.

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	-	-	3,800	590	-	-	-	-
Isopropylbenzene	-	-	1,200	< 250	-	-	-	-
Other VOCs	< 0.5 - < 5.0	< 5.0 - < 20	1,000 - < 100,00	< 250 - < 25,000	-	-	-	-
7/20/00								
Hydrocarbon Oil and Grease	-	< 1,000		< 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
4/5/01								
Hydrocarbon Oil and Grease	-	< 1.0	FREE	1,100.0	-	-	-	-
Tetrachloroethene	< 0.5	1.1	PRODUCT	< 50	-	-	-	-
1,2 dichloroethane	< 0.5	4.6	---	< 50	-	-	-	-
Trichloroethene	< 0.5	0.58	NOT	< 50	-	-	-	-
Naphthalene	-	-	---	320	-	-	-	-
Other VOCs	< 0.5 - < 2.0	< 5.0 - < 20	SAMPLED	< 50 - < 5,000	-	-	-	-
7/17/01								
Hydrocarbon Oil and Grease	-	< 500	FREE	< 500	-	-	-	-
Tetrachloroethene	-	-	PRODUCT	-	-	-	-	-
1,2 dichloroethane	< 0.5	< 50	---	69.0	-	-	-	-
Trichloroethene	-	-	NOT	-	-	-	-	-
Naphthalene	-	-	---	-	-	-	-	-
Other VOCs	-	-	SAMPLED	-	-	-	-	-

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APPENDIX A

Well Sampling Field Log

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WELL SAMPLING FIELD LOG

PROJECT NAME: LIM

JOB NUMBER: 2808 — DATE OF SAMPLING: 6.18.13

WELL ID.: MW-1 — SAMPLER: DA

TOTAL DEPTH OF WELL: 26.8 — WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 18.13 — TIME OF MEASUREMENT:

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 8.67

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.38

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 4

EQUIPMENT USED TO PURGE WELL: (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED: 1115 — TIME EVACUATION COMPLETED: 1122

TIME SAMPLES WERE COLLECTED: 1125

DID WELL GO DRY: NO — AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 4

SAMPLING DEVICE: (NEW DISPOSABLE BAILER)

SAMPLE COLOR: LT BRN — ODOR/SEDIMENT: SL HC / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.9	6.1	660
2	19.9	6.2	
3	20.2	6.2	640

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	5	40 ml VOA	8260B/8015	✓

1

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME LIM

JOB NUMBER 2808 DATE OF SAMPLING 6.18.13

WELL ID. MW-2 SAMPLER DA

TOTAL DEPTH OF WELL 26.8 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 17.28 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 9.52

NUMBER OF GALLONS PER WELL CASING VOLUME 1.52

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.5

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0945 TIME EVACUATION COMPLETED 0957

TIME SAMPLES WERE COLLECTED 1000

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT BRN ODOR/SEDIMENT None / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	19.1	6.5	590
2	19.4	6.3	590
3	19.6	6.1	600

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	5	40ml VOA	8260B/8015	✓

Brown orange purge water. No odors.

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WELL SAMPLING FIELD LOG

PROJECT NAME	LIM		
JOB NUMBER	2808	DATE OF SAMPLING	6.18.13
WELL ID.	MW-3	SAMPLER	DA
TOTAL DEPTH OF WELL	30.0	WELL DIAMETER	2
DEPTH TO WATER PRIOR TO PURGING	17.01	TIME OF MEASUREMENT	
PRODUCT THICKNESS	ø		
DEPTH OF WELL CASING IN WATER	12.99		
NUMBER OF GALLONS PER WELL CASING VOLUME	2.07		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	6.2		
EQUIPMENT USED TO PURGE WELL	(NEW DISPOSABLE BAILER)		
TIME EVACUATION STARTED	0835	TIME EVACUATION COMPLETED	0845
TIME SAMPLES WERE COLLECTED	0850		
DID WELL GO DRY	NO	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	6.2		
SAMPLING DEVICE	(NEW DISPOSABLE BAILER)		
SAMPLE COLOR	LT GRAY	ODOR/SEDIMENT	NO OR / SLIGHT

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.8	6.5	610
2	18.8	6.4	620
3	18.9	6.4	610

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	5	40 ml VOA	8260B/8015	✓

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WELL SAMPLING FIELD LOG

PROJECT NAME: LIM

JOB NUMBER: 2808 — DATE OF SAMPLING: 6.18.13

WELL ID.: MW-4R — SAMPLER: DA

TOTAL DEPTH OF WELL: 28.0 — WELL DIAMETER: 4

DEPTH TO WATER PRIOR TO PURGING: 17.60 — TIME OF MEASUREMENT:

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 10.4

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.66

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 5

EQUIPMENT USED TO PURGE WELL: (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED: 0805 — TIME EVACUATION COMPLETED: 0825

TIME SAMPLES WERE COLLECTED: 0830

DID WELL GO DRY: NO — AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED:

SAMPLING DEVICE: (NEW DISPOSABLE BAILER)

SAMPLE COLOR: LT GRAY — ODOR/SEDIMENT: SL HC / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.8	6.50	510
2	18.8	6.6	520
3	18.8	6.6	520

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4R	5	40 ml VOA	8260B/8015	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: LIM

JOB NUMBER: 2808 — DATE OF SAMPLING: 6.18.13

WELL ID.: MW-5 — SAMPLER: DA

TOTAL DEPTH OF WELL: 29.6 — WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 17.48 — TIME OF MEASUREMENT:

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 12.12

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.93

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 5.8

EQUIPMENT USED TO PURGE WELL: 0 — (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED: 0900 — TIME EVACUATION COMPLETED: 0912

TIME SAMPLES WERE COLLECTED: 0915

DID WELL GO DRY: No — AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 6

SAMPLING DEVICE: (NEW DISPOSABLE BAILER)

SAMPLE COLOR: CLEAR — ODOR/SEDIMENT: No - NO

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.9	6.7	560
2	18.9	6.5	540
3	18.9	6.5	540

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-5	5	40 ml VOA	8260B/8015	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME LIM

JOB NUMBER 2808 DATE OF SAMPLING 6.18.13

WELL ID. MW-6 SAMPLER DA

TOTAL DEPTH OF WELL 29.5 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 17.69 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 11.81

NUMBER OF GALLONS PER WELL CASING VOLUME 1.88

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.64

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 1015 TIME EVACUATION COMPLETED 1025

TIME SAMPLES WERE COLLECTED 1030

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 6

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT BN ODOR/SEDIMENT NO / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.9	6.7	710
2	19.1	6.5	710
3	19.1	6.6	710

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	5	40 ml VOA	8260B/8015	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: LIM

JOB NUMBER: 2808 | DATE OF SAMPLING: 6.18.13

WELL ID.: MW-7 | SAMPLER: DA

TOTAL DEPTH OF WELL: 28.0 | WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 18.02 | TIME OF MEASUREMENT:

PRODUCT THICKNESS: Ø

DEPTH OF WELL CASING IN WATER: 9.98

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

EQUIPMENT USED TO PURGE WELL: (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED: 0920 | TIME EVACUATION COMPLETED: 0932

TIME SAMPLES WERE COLLECTED: 0935

DID WELL GO DRY: NO | AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 5

SAMPLING DEVICE: (NEW DISPOSABLE BAILER)

SAMPLE COLOR: LT GRAY | ODOR/SEDIMENT: SL HC / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.9	6.6	770
2	18.9	6.5	740
3	18.9	6.5	710

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-7	5	40 ml VOA	8260B/8015	✓

BLACK, SULFUR ODOR WHILE PURGING

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WELL SAMPLING FIELD LOG

PROJECT NAME LIM

JOB NUMBER 2805 DATE OF SAMPLING 6.18.13

WELL ID. MW-8 SAMPLER DA

TOTAL DEPTH OF WELL 49.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 22.44 TIME OF MEASUREMENT

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 26.56

NUMBER OF GALLONS PER WELL CASING VOLUME 4.25

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 12.75

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 1040 TIME EVACUATION COMPLETED 1055

TIME SAMPLES WERE COLLECTED 1100

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 13

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR CLEAR ODOR/SEDIMENT NO / NO

14

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	21.1	6.8	360
2	21.2	6.7	370
3	21.2	6.7	360

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-8	5	40 ml VOA	8260B/8015	✓

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

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Laboratory Results

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

Subject : 8 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. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-1** Matrix : Water Lab Number : 85194-01
Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**1.5**	0.50	ug/L	EPA 8260B	06/21/13 22:03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
Diisopropyl ether (DIPE)	**0.52**	0.50	ug/L	EPA 8260B	06/21/13 22:03
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/21/13 22:03
TPH as Gasoline	**370**	50	ug/L	EPA 8260B	06/21/13 22:03
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:03
1,2-Dichloroethane-d4 (Surr)	95.2		% Recovery	EPA 8260B	06/21/13 22:03
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	06/21/13 22:03
TPH as Diesel (Silica Gel)	**84**	50	ug/L	M EPA 8015	06/27/13 01:07
Octacosane (Silica Gel Surr)	116		% Recovery	M EPA 8015	06/27/13 01:07

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-2** Matrix : Water Lab Number : 85194-02
Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**2400**	4.0	ug/L	EPA 8260B	06/26/13 15:51
Toluene	**7.8**	4.0	ug/L	EPA 8260B	06/26/13 15:51
Ethylbenzene	**80**	4.0	ug/L	EPA 8260B	06/26/13 15:51
Total Xylenes	**31**	4.0	ug/L	EPA 8260B	06/26/13 15:51
Methyl-t-butyl ether (MTBE)	< 1.5	1.5	ug/L	EPA 8260B	06/25/13 04:59
Diisopropyl ether (DIPE)	**7.8**	1.5	ug/L	EPA 8260B	06/25/13 04:59
Ethyl-t-butyl ether (ETBE)	< 1.5	1.5	ug/L	EPA 8260B	06/25/13 04:59
Tert-amyl methyl ether (TAME)	< 1.5	1.5	ug/L	EPA 8260B	06/25/13 04:59
Tert-Butanol	**17**	7.0	ug/L	EPA 8260B	06/25/13 04:59
TPH as Gasoline	**5300**	150	ug/L	EPA 8260B	06/25/13 04:59
1,2-Dichloroethane	< 1.5	1.5	ug/L	EPA 8260B	06/25/13 04:59
1,2-Dibromoethane	< 1.5	1.5	ug/L	EPA 8260B	06/25/13 04:59
1,2-Dichloroethane-d4 (Surr)	93.9		% Recovery	EPA 8260B	06/25/13 04:59
Toluene - d8 (Surr)	95.8		% Recovery	EPA 8260B	06/25/13 04:59
TPH as Diesel (Silica Gel)	**88**	50	ug/L	M EPA 8015	06/27/13 01:41
Octacosane (Silica Gel Surr)	92.7		% Recovery	M EPA 8015	06/27/13 01:41

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-3** Matrix : Water Lab Number : 85194-03
Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**6700**	10	ug/L	EPA 8260B	06/25/13 13:43
Toluene	**7900**	10	ug/L	EPA 8260B	06/25/13 13:43
Ethylbenzene	**2000**	10	ug/L	EPA 8260B	06/25/13 13:43
Total Xylenes	**15000**	25	ug/L	EPA 8260B	06/26/13 00:21
Methyl-t-butyl ether (MTBE)	< 10	10	ug/L	EPA 8260B	06/25/13 13:43
Diisopropyl ether (DIPE)	< 10	10	ug/L	EPA 8260B	06/25/13 13:43
Ethyl-t-butyl ether (ETBE)	< 10	10	ug/L	EPA 8260B	06/25/13 13:43
Tert-amyl methyl ether (TAME)	< 10	10	ug/L	EPA 8260B	06/25/13 13:43
Tert-Butanol	< 50	50	ug/L	EPA 8260B	06/25/13 13:43
TPH as Gasoline	**100000**	2500	ug/L	EPA 8260B	06/26/13 00:21
1,2-Dichloroethane	< 10	10	ug/L	EPA 8260B	06/25/13 13:43
1,2-Dibromoethane	< 10	10	ug/L	EPA 8260B	06/25/13 13:43
1,2-Dichloroethane-d4 (Surr)	89.6		% Recovery	EPA 8260B	06/25/13 13:43
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	06/25/13 13:43
TPH as Diesel (Silica Gel)	**220000**	1000	ug/L	M EPA 8015	06/27/13 13:28
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
Octacosane (Silica Gel Surr)	Diluted Out		% Recovery	M EPA 8015	06/27/13 13:28

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-4R** Matrix : Water Lab Number : 85194-04
Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**37**	0.50	ug/L	EPA 8260B	06/26/13 02:41
Toluene	**33**	0.50	ug/L	EPA 8260B	06/26/13 02:41
Ethylbenzene	**10**	0.50	ug/L	EPA 8260B	06/26/13 02:41
Total Xylenes	**400**	0.50	ug/L	EPA 8260B	06/26/13 02:41
Methyl-t-butyl ether (MTBE)	**1.5**	0.50	ug/L	EPA 8260B	06/26/13 02:41
Diisopropyl ether (DIPE)	**2.5**	0.50	ug/L	EPA 8260B	06/26/13 02:41
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/26/13 02:41
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/26/13 02:41
Tert-Butanol	**120**	5.0	ug/L	EPA 8260B	06/26/13 02:41
TPH as Gasoline	**3800**	50	ug/L	EPA 8260B	06/26/13 02:41
1,2-Dichloroethane	**7.2**	0.50	ug/L	EPA 8260B	06/26/13 02:41
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/26/13 02:41
1,2-Dichloroethane-d4 (Surr)	96.3		% Recovery	EPA 8260B	06/26/13 02:41
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	06/26/13 02:41
TPH as Diesel (Silica Gel)	**110**	50	ug/L	M EPA 8015	06/27/13 02:16
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	06/27/13 02:16

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-5** Matrix : Water Lab Number : 85194-05

Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/21/13 22:35
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/21/13 22:35
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 22:35
1,2-Dichloroethane-d4 (Surr)	96.2		% Recovery	EPA 8260B	06/21/13 22:35
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	06/21/13 22:35
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/27/13 13:13
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	06/27/13 13:13

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-6** Matrix : Water Lab Number : 85194-06

Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/21/13 23:08
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/21/13 23:08
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/13 23:08
1,2-Dichloroethane-d4 (Surr)	96.2		% Recovery	EPA 8260B	06/21/13 23:08
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	06/21/13 23:08
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/27/13 13:42
Octacosane (Silica Gel Surr)	87.0		% Recovery	M EPA 8015	06/27/13 13:42

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-7** Matrix : Water Lab Number : 85194-07
Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**19**	0.90	ug/L	EPA 8260B	06/26/13 01:24
Toluene	**22**	0.90	ug/L	EPA 8260B	06/26/13 01:24
Ethylbenzene	**310**	0.90	ug/L	EPA 8260B	06/26/13 01:24
Total Xylenes	**390**	0.90	ug/L	EPA 8260B	06/26/13 01:24
Methyl-t-butyl ether (MTBE)	< 0.90	0.90	ug/L	EPA 8260B	06/26/13 01:24
Diisopropyl ether (DIPE)	< 0.90	0.90	ug/L	EPA 8260B	06/26/13 01:24
Ethyl-t-butyl ether (ETBE)	< 0.90	0.90	ug/L	EPA 8260B	06/26/13 01:24
Tert-amyl methyl ether (TAME)	< 0.90	0.90	ug/L	EPA 8260B	06/26/13 01:24
Tert-Butanol	**6.3**	5.0	ug/L	EPA 8260B	06/26/13 01:24
TPH as Gasoline	**6000**	90	ug/L	EPA 8260B	06/26/13 01:24
1,2-Dichloroethane	< 0.90	0.90	ug/L	EPA 8260B	06/26/13 01:24
1,2-Dibromoethane	< 0.90	0.90	ug/L	EPA 8260B	06/26/13 01:24
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	06/26/13 01:24
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	06/26/13 01:24
TPH as Diesel (Silica Gel)	**250**	50	ug/L	M EPA 8015	06/27/13 04:00
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
Octacosane (Silica Gel Surr)	110		% Recovery	M EPA 8015	06/27/13 04:00

KIFF Analytical LLC

Report Number : 85194
Date : 06/27/2013

Project Name : **LIM**
Project Number : **2808**

Sample : **MW-8** Matrix : Water Lab Number : 85194-08
Sample Date :06/18/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/24/13 11:38
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/24/13 11:38
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/24/13 11:38
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	06/24/13 11:38
Toluene - d8 (Surr)	96.9		% Recovery	EPA 8260B	06/24/13 11:38
TPH as Diesel (Silica Gel)	**83**	50	ug/L	M EPA 8015	06/27/13 04:34
Octacosane (Silica Gel Surr)	102		% Recovery	M EPA 8015	06/27/13 04:34

Report Number : 85194

Date : 06/27/2013

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	06/26/2013
Octacosane (Silica Gel Surr)	119		%	M EPA 8015	06/26/2013
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	06/27/2013
Octacosane (Silica Gel Surr)	107		%	M EPA 8015	06/27/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/24/2013
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/24/2013
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/24/2013
1,2-Dichloroethane-d4 (Surr)	98.7		%	EPA 8260B	06/24/2013
Toluene - d8 (Surr)	97.0		%	EPA 8260B	06/24/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/26/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/26/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/26/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/26/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/25/2013
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/25/2013
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
1,2-Dichloroethane-d4 (Surr)	99.7		%	EPA 8260B	06/25/2013
Toluene - d8 (Surr)	99.2		%	EPA 8260B	06/25/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/21/2013
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/21/2013
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/21/2013
1,2-Dichloroethane-d4 (Surr)	95.6		%	EPA 8260B	06/21/2013

KIFF ANALYTICAL, LLC

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

Report Number : 85194

Date : 06/27/2013

QC Report : Method Blank Data

Project Name : **LIM**

Project Number : **2808**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Toluene - d8 (Surr)	97.3		%	EPA 8260B	06/21/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/25/2013
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/25/2013
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	06/25/2013
1,2-Dichloroethane-d4 (Surr)	99.4		%	EPA 8260B	06/25/2013
Toluene - d8 (Surr)	99.7		%	EPA 8260B	06/25/2013

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 : 85194

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 06/27/2013

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	1000	1060	ug/L	M EPA 8015	6/26/13	100	106	5.06	70-130	25
1,2-Dibromoethane														
	85194-08	<0.50	40.0	39.9	36.4	38.8	ug/L	EPA 8260B	6/24/13	91.0	97.1	6.45	70.0-130	25
1,2-Dichloroethane														
	85194-08	<0.50	39.9	39.8	32.7	34.1	ug/L	EPA 8260B	6/24/13	81.9	85.6	4.46	70.0-130	25
Benzene														
	85194-08	<0.50	39.9	39.8	35.1	35.6	ug/L	EPA 8260B	6/24/13	88.0	89.3	1.48	70.0-130	25
Diisopropyl ether														
	85194-08	<0.50	39.9	39.8	35.2	35.4	ug/L	EPA 8260B	6/24/13	88.3	89.0	0.798	70.0-130	25
Ethyl-tert-butyl ether														
	85194-08	<0.50	39.0	39.0	35.3	35.9	ug/L	EPA 8260B	6/24/13	90.5	92.2	1.83	70.0-130	25
Ethylbenzene														
	85194-08	<0.50	39.9	39.8	37.5	37.8	ug/L	EPA 8260B	6/24/13	93.8	94.8	0.975	70.0-130	25
Methyl-t-butyl ether														
	85194-08	<0.50	39.3	39.3	34.7	36.4	ug/L	EPA 8260B	6/24/13	88.2	92.7	5.02	70.0-130	25
P + M Xylene														
	85194-08	<0.50	39.9	39.8	38.1	38.7	ug/L	EPA 8260B	6/24/13	95.4	97.1	1.75	70.0-130	25

KIFF ANALYTICAL, LLC

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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														
	85194-08	<5.0	200	200	174	172	ug/L	EPA 8260B	6/24/13	86.8	85.9	0.948	70.0-130	25
Tert-amyl-methyl ether														
	85194-08	<0.50	39.2	39.1	35.0	36.4	ug/L	EPA 8260B	6/24/13	89.1	93.1	4.34	70.0-130	25
Toluene														
	85194-08	<0.50	39.9	39.8	36.3	36.6	ug/L	EPA 8260B	6/24/13	90.8	92.0	1.23	70.0-130	25
Benzene														
	85234-05	5.4	40.0	40.0	42.6	40.8	ug/L	EPA 8260B	6/26/13	92.8	88.4	4.95	70.0-130	25
Ethylbenzene														
	85234-05	0.76	40.0	40.0	42.4	41.0	ug/L	EPA 8260B	6/26/13	104	100	3.51	70.0-130	25
P + M Xylene														
	85234-05	6.0	40.0	40.0	47.0	45.2	ug/L	EPA 8260B	6/26/13	102	97.9	4.62	70.0-130	25
Toluene														
	85234-05	1.1	40.0	40.0	38.4	36.9	ug/L	EPA 8260B	6/26/13	93.2	89.4	4.17	70.0-130	25
1,2-Dibromoethane														
	85244-03	<0.50	40.3	40.3	45.3	41.7	ug/L	EPA 8260B	6/25/13	112	104	8.08	70.0-130	25
1,2-Dichloroethane														
	85244-03	<0.50	40.0	40.0	41.3	40.0	ug/L	EPA 8260B	6/25/13	103	99.9	3.29	70.0-130	25

KIFF ANALYTICAL, LLC

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Report Number : 85194

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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
Benzene														
	85244-03	<0.50	40.0	40.0	40.6	39.8	ug/L	EPA 8260B	6/25/13	101	99.5	1.96	70.0-130	25
Diisopropyl ether														
	85244-03	<0.50	39.3	39.3	42.2	41.8	ug/L	EPA 8260B	6/25/13	107	106	0.910	70.0-130	25
Ethyl-tert-butyl ether														
	85244-03	<0.50	40.1	40.1	44.9	46.6	ug/L	EPA 8260B	6/25/13	112	116	3.60	70.0-130	25
Ethylbenzene														
	85244-03	<0.50	40.0	40.0	42.2	41.6	ug/L	EPA 8260B	6/25/13	105	104	1.25	70.0-130	25
Methyl-t-butyl ether														
	85244-03	<0.50	39.9	39.9	43.0	42.6	ug/L	EPA 8260B	6/25/13	108	107	0.885	70.0-130	25
P + M Xylene														
	85244-03	<0.50	40.0	40.0	42.4	41.4	ug/L	EPA 8260B	6/25/13	106	104	2.35	70.0-130	25
Tert-Butanol														
	85244-03	<5.0	202	202	221	218	ug/L	EPA 8260B	6/25/13	110	108	1.52	70.0-130	25
Tert-amyl-methyl ether														
	85244-03	<0.50	40.3	40.3	45.1	45.6	ug/L	EPA 8260B	6/25/13	112	113	1.15	70.0-130	25
Toluene														
	85244-03	<0.50	40.0	40.0	41.3	40.5	ug/L	EPA 8260B	6/25/13	103	101	2.02	70.0-130	25

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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
1,2-Dibromoethane														
	85191-04	<0.50	40.1	40.1	38.0	38.2	ug/L	EPA 8260B	6/21/13	94.8	95.3	0.574	70.0-130	25
1,2-Dichloroethane														
	85191-04	<0.50	40.0	40.0	38.3	39.4	ug/L	EPA 8260B	6/21/13	95.7	98.4	2.74	70.0-130	25
Benzene														
	85191-04	3.7	40.0	40.0	41.2	41.4	ug/L	EPA 8260B	6/21/13	93.8	94.4	0.583	70.0-130	25
Diisopropyl ether														
	85191-04	<0.50	40.0	40.0	34.8	35.5	ug/L	EPA 8260B	6/21/13	87.1	88.8	1.90	70.0-130	25
Ethyl-tert-butyl ether														
	85191-04	<0.50	39.1	39.1	35.8	36.5	ug/L	EPA 8260B	6/21/13	91.5	93.3	1.91	70.0-130	25
Ethylbenzene														
	85191-04	1.9	40.0	40.0	42.4	42.8	ug/L	EPA 8260B	6/21/13	101	102	0.842	70.0-130	25
Methyl-t-butyl ether														
	85191-04	5.9	39.4	39.4	40.9	41.7	ug/L	EPA 8260B	6/21/13	88.8	90.9	2.36	70.0-130	25
P + M Xylene														
	85191-04	<0.50	40.0	40.0	40.0	40.3	ug/L	EPA 8260B	6/21/13	100	101	0.759	70.0-130	25
Tert-Butanol														
	85191-04	<5.0	201	201	194	196	ug/L	EPA 8260B	6/21/13	96.9	97.4	0.571	70.0-130	25
Tert-amyl-methyl ether														
	85191-04	<0.50	39.3	39.3	37.4	38.0	ug/L	EPA 8260B	6/21/13	95.2	96.8	1.72	70.0-130	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
Toluene														
	85191-04	<0.50	40.0	40.0	38.9	39.2	ug/L	EPA 8260B	6/21/13	97.3	97.9	0.556	70.0-130	25
1,2-Dibromoethane														
	85183-05	0.58	40.3	40.3	43.8	43.5	ug/L	EPA 8260B	6/25/13	107	106	0.558	70.0-130	25
1,2-Dichloroethane														
	85183-05	1.0	40.0	40.0	41.7	40.8	ug/L	EPA 8260B	6/25/13	102	99.5	2.05	70.0-130	25
Benzene														
	85183-05	12	40.0	40.0	53.7	52.9	ug/L	EPA 8260B	6/25/13	103	101	2.05	70.0-130	25
Diisopropyl ether														
	85183-05	<0.50	39.3	39.3	42.9	42.3	ug/L	EPA 8260B	6/25/13	109	108	1.60	70.0-130	25
Ethyl-tert-butyl ether														
	85183-05	<0.50	40.1	40.1	46.0	45.2	ug/L	EPA 8260B	6/25/13	115	112	1.78	70.0-130	25
Ethylbenzene														
	85183-05	30	40.0	40.0	73.4	72.0	ug/L	EPA 8260B	6/25/13	108	104	3.27	70.0-130	25
Methyl-t-butyl ether														
	85183-05	3.5	39.9	39.9	47.0	46.6	ug/L	EPA 8260B	6/25/13	109	108	0.925	70.0-130	25
P + M Xylene														
	85183-05	70	40.0	40.0	111	109	ug/L	EPA 8260B	6/25/13	103	99.5	3.72	70.0-130	25

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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														
	85183-05	<5.0	202	202	221	220	ug/L	EPA 8260B	6/25/13	110	109	0.298	70.0-130	25
Tert-amyl-methyl ether														
	85183-05	<0.50	40.3	40.3	44.8	44.8	ug/L	EPA 8260B	6/25/13	111	111	0.0729	70.0-130	25
Toluene														
	85183-05	32	40.0	40.0	73.8	72.3	ug/L	EPA 8260B	6/25/13	105	102	3.64	70.0-130	25
TPH-D (Si Gel)														
	BLANK	<50	1000	1000	890	888	ug/L	M EPA 8015	6/27/13	89.0	88.8	0.175	70-130	25

KIFF ANALYTICAL, LLC

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

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	40.1	ug/L	EPA 8260B	6/24/13	86.8	70.0-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	6/24/13	82.2	70.0-130
Benzene	40.0	ug/L	EPA 8260B	6/24/13	91.2	70.0-130
Diisopropyl ether	40.0	ug/L	EPA 8260B	6/24/13	91.5	70.0-130
Ethyl-tert-butyl ether	39.1	ug/L	EPA 8260B	6/24/13	90.5	70.0-130
Ethylbenzene	40.0	ug/L	EPA 8260B	6/24/13	96.9	70.0-130
Methyl-t-butyl ether	39.4	ug/L	EPA 8260B	6/24/13	82.2	70.0-130
P + M Xylene	40.0	ug/L	EPA 8260B	6/24/13	98.7	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	6/24/13	96.0	70.0-130
Tert-amyl-methyl ether	39.3	ug/L	EPA 8260B	6/24/13	88.0	70.0-130
Toluene	40.0	ug/L	EPA 8260B	6/24/13	93.6	70.0-130
Benzene	40.2	ug/L	EPA 8260B	6/26/13	91.6	70.0-130
Ethylbenzene	40.2	ug/L	EPA 8260B	6/26/13	102	70.0-130
P + M Xylene	40.2	ug/L	EPA 8260B	6/26/13	101	70.0-130
Toluene	40.2	ug/L	EPA 8260B	6/26/13	93.0	70.0-130
1,2-Dibromoethane	40.3	ug/L	EPA 8260B	6/25/13	110	70.0-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	6/25/13	99.6	70.0-130
Benzene	40.0	ug/L	EPA 8260B	6/25/13	98.3	70.0-130
Diisopropyl ether	39.3	ug/L	EPA 8260B	6/25/13	104	70.0-130
Ethyl-tert-butyl ether	40.1	ug/L	EPA 8260B	6/25/13	108	70.0-130

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
Ethylbenzene	40.0	ug/L	EPA 8260B	6/25/13	102	70.0-130
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	6/25/13	105	70.0-130
P + M Xylene	40.0	ug/L	EPA 8260B	6/25/13	101	70.0-130
TPH as Gasoline	503	ug/L	EPA 8260B	6/25/13	95.6	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	6/25/13	104	70.0-130
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	6/25/13	107	70.0-130
Toluene	40.0	ug/L	EPA 8260B	6/25/13	100	70.0-130
1,2-Dibromoethane	39.9	ug/L	EPA 8260B	6/21/13	96.9	70.0-130
1,2-Dichloroethane	39.8	ug/L	EPA 8260B	6/21/13	97.1	70.0-130
Benzene	39.8	ug/L	EPA 8260B	6/21/13	96.0	70.0-130
Diisopropyl ether	39.8	ug/L	EPA 8260B	6/21/13	89.2	70.0-130
Ethyl-tert-butyl ether	38.9	ug/L	EPA 8260B	6/21/13	94.4	70.0-130
Ethylbenzene	39.8	ug/L	EPA 8260B	6/21/13	104	70.0-130
Methyl-t-butyl ether	39.2	ug/L	EPA 8260B	6/21/13	90.2	70.0-130
P + M Xylene	39.8	ug/L	EPA 8260B	6/21/13	101	70.0-130
TPH as Gasoline	497	ug/L	EPA 8260B	6/21/13	99.6	70.0-130
Tert-Butanol	200	ug/L	EPA 8260B	6/21/13	99.4	70.0-130
Tert-amyl-methyl ether	39.1	ug/L	EPA 8260B	6/21/13	96.6	70.0-130
Toluene	39.8	ug/L	EPA 8260B	6/21/13	98.7	70.0-130
1,2-Dibromoethane	40.4	ug/L	EPA 8260B	6/25/13	105	70.0-130
1,2-Dichloroethane	40.1	ug/L	EPA 8260B	6/25/13	99.6	70.0-130

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
Benzene	40.1	ug/L	EPA 8260B	6/25/13	101	70.0-130
Diisopropyl ether	39.4	ug/L	EPA 8260B	6/25/13	107	70.0-130
Ethyl-tert-butyl ether	40.2	ug/L	EPA 8260B	6/25/13	112	70.0-130
Ethylbenzene	40.1	ug/L	EPA 8260B	6/25/13	105	70.0-130
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	6/25/13	108	70.0-130
P + M Xylene	40.1	ug/L	EPA 8260B	6/25/13	104	70.0-130
TPH as Gasoline	504	ug/L	EPA 8260B	6/25/13	111	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	6/25/13	107	70.0-130
Tert-amyl-methyl ether	40.4	ug/L	EPA 8260B	6/25/13	108	70.0-130
Toluene	40.1	ug/L	EPA 8260B	6/25/13	102	70.0-130

KIFF ANALYTICAL, LLC

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

85194

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

Chain of Custody

SAMPLER (SIGNATURE)

PAGE 1 of 1

PROJECT NAME Lim

JOB NO. 2808

ADDRESS 250 8th St Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015) w/ silica gel c.u.	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	CAM 17 METALS (EPA 6010+7000)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	Pb (TOTAL or DISSOLVED) (EPA 6012)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8260)	PURGEABLE HALOCARBONS (EPA 601/8010)	TPH-G/BTEX/5 OXYS (EPA METHOD 8260) 1PB scav.	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	6/18/13	1125	W	5		Y								Y					Y	01
MW-2		1000				Y								Y					Y	02
MW-3		0850				Y								Y					Y	03
MW-4R		0830				Y								Y					Y	04
MW-5		0915				Y								Y					Y	05
MW-6		1030				Y								Y					Y	06
MW-7		0935				Y								Y					Y	07
MW-8		1100				Y								Y					Y	08
MW																				

RELINQUISHED BY: (signature) 1043 (time)
DAVID ALLEN 6/20/13 (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: (signature) 1043 (time)
Allison Premzic 06/2013 (printed name) (date)
Company- KIFF ANALYTICAL

COMMENTS:
MW-3 HIGH HC CONCENTRATIONS EXPECTED

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

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

SRG #: 85194	**TAT:** ☒ Standard	☐ Rush	☐ Split	☐ None			
Sample Receipt	**Initials/Date:** ABP 062013	**Storage Time:** 1313	**Sample Login**	**Initials/Date:** MAS/06/21/13			
Method of Receipt:	☒ Courier	☐ Over-the-counter	☐ Shipped	Shipping Custody Seals	☒ N/A	☐ Intact	☐ Broken

Temp °C	0.4	☐ N/A	Therm ID	IR-1	Time	1304	Coolant present	☒ Yes	☐ No	☐ Water	☐ Temp Excursion

Chain-of-Custody:	**Yes**	**No**
Is COC present?	X	
Is COC signed by relinquisher?	X	
Is COC dated by relinquisher?	X	
Is the sampler's name on the COC?	X	
Are there analyses or hold for all samples?	X	

Documented on	**COC**	**Labels**	**Discrepancies:**
Sample ID	X	X	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X		
Does COC match project history?	☐ N/A	☒ Yes	☐ No

Samples:	**N/A**	**Yes**	**No**
Are sample custody seals intact?	X		
Are sample containers intact?		X	
Is preservation documented?		X	
In-house Analysis:	**N/A**	**Yes**	**No**
Are preservatives acceptable?		X	
Are samples within holding time?		X	
Are sample container types correct?		X	
Is there adequate sample volume?		X	

Comments:

Receipt Details:

Matrix	Container Type	# of Containers
WA	Voa	40

CS Required: ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date:
Client Communication: