aqua science engineers inc.

R0085

April 12, 2004

QUARTERLY GROUNDWATER MONITORING REPORT
MARCH 2004 GROUNDWATER SAMPLING
ASE JOB NO. 3540

at
Oakland Truck Stop
8255 San Leandro Street
Oakland, California

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

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

1.0 INTRODUCTION

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

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

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
208 West El Pintado
Danville, CA 94526
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

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

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

The following is a report detailing the methods and findings of the March 2004 quarterly groundwater sampling at the above-referenced site. This sampling was conducted as required by the ACHCSA and RWQCB. ASE has prepared this report on behalf of Mr. Nissan Saidian, owner of the property.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On March 15, 2004, ASE measured the depth to water in monitoring wells MW-1 through MW-6, MW-8, and MW-9 using an electric water level sounder. Monitoring well MW-7 could not be accessed and was therefor not gauged. The surface of the groundwater was also checked for the presence of Liquid Phase Hydrocarbons (LPH) or sheen using an electronic oil/water interface probe. The presence of LPH was confirmed with a disposable bailer half-filled for direct observation.

Monitoring well MW-1 contained approximately 0.40-feet of LPH this quarter and a hydrocarbon sheen was observed in monitoring well MW-3. Oakland Truck Stop staff continued weekly bailing of LPH from monitoring well MW-1 this quarter. No LPH or sheen was observed in any of the remaining site monitoring wells. Groundwater elevation data is presented as Table One.

A groundwater potentiometric surface map for March 15, 2004 is presented as Figure 2. Groundwater beneath the site flows to the northwest with a gradient of approximately 0.0013 feet/foot. The groundwater flow direction at the site has been inconsistent and highly variable.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Prior to sampling, monitoring wells MW-3 through MW-6, MW-8, and MW-9 were purged of three well casing volumes of groundwater using dedicated polyethylene bailers. The parameters pH, temperature, and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Groundwater samples were collected from each well using dedicated polyethylene bailers. Monitoring well MW-1 was not sampled due to the presence of LPH. Monitoring wells MW-2 and MW-7 had disabled trucks parked above them and could not be accessed.

All samples were decanted from the bailers into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid, and sealed without headspace. The samples were then labeled and placed in coolers with wet ice for transport to Kiff Analytical, LLC of Davis, California under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A.

The monitoring well purge water was placed in a 55-gallon steel drum, stored temporarily on site, and later removed for proper disposal.

The groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 3550/8015M, and total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), and oxygenates including ethanol and methanol by EPA Method 8260B. The analytical results are presented in Table Two. The certified analytical report and chain-of-custody documentation are included as Appendix B.

4.0 CONCLUSIONS

Monitoring well MW-1 contained approximately 0.40-feet of free-floating diesel hydrocarbons and MW-3 contained a hydrocarbon sheen.

In general, concentrations of dissolved hydrocarbons remained similar to previous results across the site with the following exceptions. There was an increase in MTBE concentrations in MW-3 and an increase in TBA concentrations in MW-4 and MW-5. There was a decrease in MTBE concentrations in MW-6. MTBE concentrations decreased in MW-9, but TBA concentrations increased during this period.

Hydrocarbon concentrations in the groundwater samples collected from monitoring wells MW-2 through MW-6, and MW-9 exceeded Environmental Screening Levels (ESLs) 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 July 2003.

5.0 RECOMMENDATIONS

ASE recommends that this site remain on a quarterly sampling schedule. The next sampling is scheduled for June 2004.

ASE recommends that the sampling frequency for the more outlying monitoring wells, MW-4, MW-5, MW-7 and MW-8, be changed to semi-annual based on the relatively consistent hydrocarbon concentrations in these wells. Oakland Truck Stop staff will continue periodic LPH removal from monitoring well MW-1 during the next quarter. In addition, ASE has completed a pilot study for ozone-sparging remediation at the site and prepared a report dated April 7, 2004. ASE will install the ozone-sparging remediation system once approved by the ACHCSA. ASE will also conduct a

soil and groundwater assessment to complete the definition of contamination during the next quarter.

6.0 REPORT LIMITATIONS

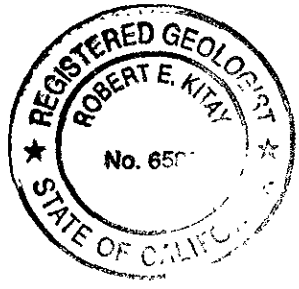
The results presented in this report represent conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of independent CAL-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 provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Damian Hriciga
Project Geologist



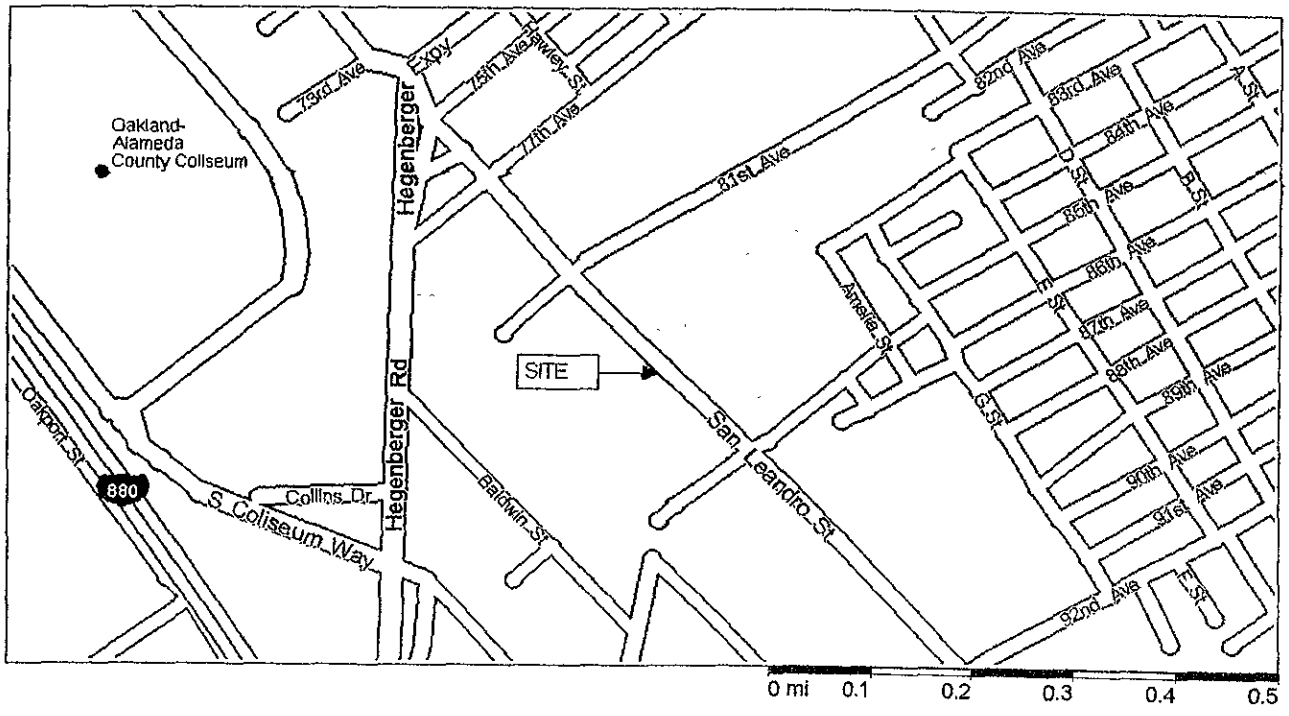
Robert E. Kitay, R.G., R.E.A.
Senior Geologist

Attachments: Table One through Three
Figures 1 and 2
Appendices A and B

cc: Mr. Nissan Saidian
Mr. Amir Gholami, ACHCSA
Mr. Chuck Headlee, RWQCB, San Francisco Bay Region

FIGURES

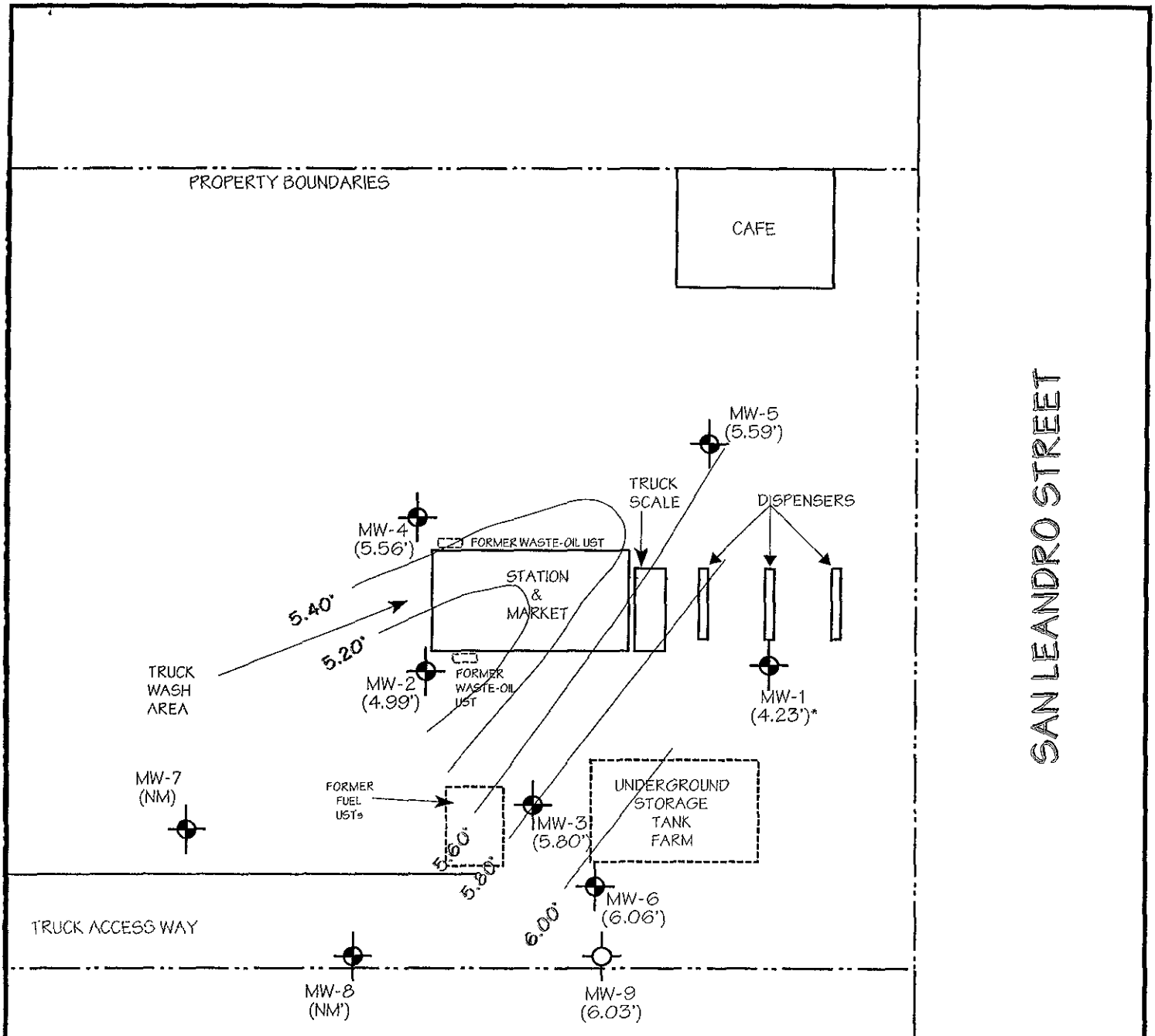
NORTH



LOCATION MAP

OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 1



LEGEND

NM	Not Measured
*	Water elevation adjusted for thickness of liquid-phase hydrocarbons
	Potentiometric surface contour with arrow indicating groundwater flow direction
	4-inch diameter monitoring well
MW-4 (5.56')	Monitoring well (with groundwater elevation in feet)

NORTH

SCALE
1" = 50'

POTENTIOMETRIC SURFACE CONTOUR MAP
3/15/2004

OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 2

TABLES

TABLE ONE
Groundwater Elevation Data
Oakland Truck Stop
8255 San Leandro Street, Oakland, CA

Well I.D & Date Sampled	Top of Casing Elevation (msl)	Depth to Water (feet)	Free-Floating Hydrocarbon Thickness (feet)	Groundwater Elevation (msl)
MW-1				
8/16/99	97.12	Unknown	> 1.0	Unknown
8/27/99		6.90	0.36	90.51*
9/10/99		6.85	0.18	90.41*
9/24/99		6.65	0.08	90.53*
10/8/99		6.87	0.28	90.47*
10/22/99		6.81	0.23	90.49*
11/2/99		6.94	0.31	90.43*
11/19/99		6.91	0.12	90.31*
12/6/99		6.93	0.12	90.29*
3/8/00		5.93	0.21	91.36*
6/14/00		6.57	0.72	90.41*
12/11/00		6.70	0.60	90.90*
3/6/01		5.75	0.40	91.69*
6/6/01		7.60	1.48	90.70*
9/4/01		6.80	0.20	90.48*
3/11/02		approx. 7.47	approx. 3	approx. 92.05*
6/6/02		6.49	0.67	91.17*
9/4/02	11.02	6.89	0.54	4.56*
12/17/02		4.65		6.47*
3/7/03		6.55	1.19	3.52*
6/5/03		9.77	4.63	4.95*
9/19/03		6.56	0.32	4.72*
12/12/03		5.63	0.41	5.72*
3/15/04		7.11	0.40	4.23*
MW-2				
8/16/99	96.82	6.30	--	90.52
12/6/99		8.46	--	88.36
3/8/00		9.12	--	87.70
6/14/00		8.34	--	88.48
12/11/00		5.94	--	90.88
3/6/01		4.70	--	92.12
6/6/01		6.03	--	90.79
9/4/01		6.34	--	90.48
3/11/02		4.89	--	91.93
6/6/02		5.69	--	91.13
9/4/02	10.70	6.17	--	4.53
12/17/02		4.39	--	6.31
3/7/03		5.44	--	5.26
6/5/03		5.59	--	5.11
9/19/03		6.09	--	4.61
12/12/03		5.13	--	5.57
3/15/04		5.71	--	4.99

TABLE ONE
Groundwater Elevation Data
Oakland Truck Stop
8255 San Leandro Street, Oakland, CA

Well I.D & Date Sampled	Top of Casing Elevation (msl)	Depth to Water (feet)	Free-Floating Hydrocarbon Thickness (feet)	Groundwater Elevation (msl)
MW-3				
8/16/99	96.43	5.85	--	90.58
12/6/99		5.70	--	90.73
3/8/00		5.32	--	91.11
6/14/00		6.95	--	89.48
12/11/00		6.22	--	90.21
3/6/01		4.83	--	91.60
6/6/01		5.62	--	90.81
9/4/01		5.91	--	90.52
3/11/02		4.42	--	92.01
6/6/02		5.19	--	91.24
9/4/02	10.32	5.72	--	4.60
12/17/02		3.96	--	6.36
3/7/03		4.88	--	5.44
6/5/03		5.05	--	5.27
9/19/03		5.62	--	4.70
12/12/03		4.68	--	5.64
3/15/04		4.52	--	5.80
MW-4				
8/16/99	96.60	6.12	--	90.48
12/6/99		5.98	--	90.62
3/8/00		4.32	--	92.28
6/14/00		5.58	--	91.02
12/11/00		5.70	--	90.90
3/6/01		4.46	--	92.14
6/6/01		5.89	--	90.71
9/4/01		6.16	--	90.44
3/11/02		4.67	--	91.93
6/6/02		5.50	--	91.10
9/4/02	10.50	5.97	--	4.53
12/17/02		4.22	--	6 28
3/7/03		5.23	--	5.27
6/5/03		5.38	--	5.12
9/19/03		5.91	--	4.59
12/12/03		4.91	--	5.59
3/15/04		4.94	--	5.56
MW-5				
12/6/99	96.30	5.94	--	90.36
3/8/00		4.06	--	92.24
6/14/00		5.25	--	91.05
12/11/00		5.45	--	90.85
3/6/01		4.12	--	92.18
6/6/01		5.56	--	90.74
9/4/01		5.84	--	90.46
3/11/02		4.38	--	91.92
6/6/02		5.16	--	91.14
9/4/02	10.20	5.62	--	4.58
12/17/02		4.12	--	6.08
3/7/03		4.89	--	5.31
6/5/03		5.04	--	5.16
9/19/03		5.56	--	4.64
12/12/03		4.72	--	5.48
3/15/04		4.61	--	5.59

TABLE ONE
Groundwater Elevation Data
Oakland Truck Stop
8255 San Leandro Street, Oakland, CA

Well I.D & Date Sampled	Top of Casing Elevation (msl)	Depth to Water (feet)	Free-Floating Hydrocarbon Thickness (feet)	Groundwater Elevation (msl)
MW-6				
12/6/99	96.79	5.80	--	90.99
3/8/00		4.10	--	92.69
6/14/00		5.64	--	91.15
12/11/00		5.72	--	91.07
3/6/01		4.32	--	92.47
6/6/01		5.81	--	90.98
9/4/01		6.12	--	90.67
3/11/02		4.49	--	92.30
6/6/02		5.33	--	91.46
9/4/02	10.71	5.92	--	4.79
12/17/02		3.85	--	6.86
3/7/03		4.96	--	5.75
6/5/03		5.18	--	5.53
9/19/03		5.81	--	4.90
12/12/03		4.73	--	5.98
3/15/04		**4.65**	**--**	**6.06**
MW-7				
9/4/02	9.17	4.67	--	4.50
12/17/02		3.11	--	6.06
3/7/03		3.89	--	5.28
6/5/03		3.57	--	5.60
9/19/03		4.57	--	4.60
12/12/03		3.48	--	5.69
3/15/04			**Truck Parked Over Well**	
MW-8				
9/4/02	9.68	4.94	--	4.74
12/17/02		3.26	--	6.42
3/7/03		4.01	--	5.67
6/5/03		4.28	--	5.40
9/19/03		4.87	--	4.81
12/12/03		3.77	--	5.91
3/15/04		**3.53**	**--**	**NA****
MW-9				
9/4/02	11.07	6.26	--	4.81
12/17/02		4.23	--	6.84
3/7/03		5.26	--	5.81
6/5/03		5.56	--	5.51
9/19/03		6.25	--	4.82
12/12/03			Truck Parked Over Well	
3/15/04		**5.04**	**--**	**6.03**

Notes:
Mid Coast Engineers (MCE) surveyed all site monitoring wells on July 11, 2002 to mean sea level (MSL). The updated elevation data is reflected in the table above.

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

** = Top of casing elevation has changed and well has not been resurveyed

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Petroleum Hydrocarbons

All results are in parts per billion

Well ID / DATE	TPH Gasoline	TPH Diesel	TPH Motor Oil	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA
MW-1												
8/16/99	Not Sampled Due to Free-Floating Hydrocarbons											
12/6/99	Not Sampled Due to Free-Floating Hydrocarbons											
3/8/00	Not Sampled Due to Free-Floating Hydrocarbons											
6/14/00	Not Sampled Due to Free-Floating Hydrocarbons											
12/11/00	Not Sampled Due to Free-Floating Hydrocarbons											
3/6/01	Not Sampled Due to Free-Floating Hydrocarbons											
6/6/01	Not Sampled Due to Free-Floating Hydrocarbons											
9/4/01	Not Sampled Due to Free-Floating Hydrocarbons											
3/11/02	Not Sampled Due to Free-Floating Hydrocarbons											
6/6/02	Not Sampled Due to Free-Floating Hydrocarbons											
9/4/02	Not Sampled Due to Free-Floating Hydrocarbons											
12/17/02	Not Sampled Due to Free-Floating Hydrocarbons											
3/7/03	Not Sampled Due to Free-Floating Hydrocarbons											
6/5/03	Not Sampled Due to Free-Floating Hydrocarbons											
9/19/03	Not Sampled Due to Free-Floating Hydrocarbons											
12/12/03	Not Sampled Due to Free-Floating Hydrocarbons											
12/12/05	Not Sampled Due to Free-Floating Hydrocarbons											
MW-2												
8/16/99	2,200	970*	< 500	3 8	< 2.0	3	< 4 0	< 20	NA	NA	NA	NA
12/6/99	1,900	400*	< 500	16	< 0 5	1.5	< 0.5	5.2	NA	NA	NA	NA
3/8/00	1,600*	530*	< 500	9.7	< 0 5	2 7	< 0.5	27	NA	NA	NA	NA
6/14/00	2,000	75	< 100	2 8	< 0.5	3 4	< 0.5	16	3.4	< 0 5	< 0.5	64
12/11/00	1,000	120	< 100	2.6	< 0.5	< 0.5	< 0 5	15	2.9	< 0.5	< 0.5	62
3/6/01	1,500	1,400	NA	2.2	< 0 5	1.7	< 0 5	22	3 4	<0.5	<0.5	83
6/6/01	1,700	190	NA	2 6	< 0.5	2.3	< 0 5	26	3.2	<0 5	<0 5	83
9/4/01	2,000	450	NA	2.7	< 0 5	2 1	< 0 5	33	3 4	< 0 5	< 0.5	93
3/11/02	1,100	410	NA	1 0	< 0.5	0.5	< 0.5	26	2.5	< 0.5	< 0 5	69
6/6/02	900	430	NA	1.2	< 0.5	< 0.5	< 0.5	23	2.8	< 0 5	< 0.5	73
9/4/02	910	510	NA	1 6	< 0 5	< 0 5	< 0 5	45	2.5	< 0 5	< 0 5	67
12/17/02	190	220	NA	0 65	< 0 5	< 0.5	< 0.5	34	1 5	< 0 5	< 0.5	46
3/7/03	380	300	NA	0 81	< 0.5	< 0.5	< 0 5	50	1.9	< 0.5	< 0.5	73
6/5/03	2,200	2,200	NA	1 7	< 0.5	1.5	< 0.5	180	4 9	< 0 5	1.3	110
9/19/03	2,300	520	NA	2.0	< 0 5	2.1	< 0 5	180	3 7	< 0.5	1.1	120
12/12/03	3,000	2,200	NA	2 1	< 0.5	1 7	< 0.5	250	4.5	< 0.5	1.6	130
3/15/04	Not Sampled - Truck Parked Over Well											
MW-3												
8/16/99	56,000	10,000**	< 500	17,000	2,600	2,600	1,200	6,100	NA	NA	NA	NA
12/6/99	40,000	9,100*	< 500	16,000	140	1,800	100	2,200/4,000#	NA	NA	NA	NA
3/8/00	22,000	4,500*	< 500	11,000	72	1,100	130	3,400	NA	NA	NA	NA
6/14/00	34,000	16,000	< 100	13,000	94	1,300	160	4,800	31	< 10	21	2,700
12/11/00	24,000	14,000	< 100	13,000	88	780	120	4,300	< 50	< 50	< 50	2,500
3/6/01	34,000	12,000	NA	15,000	100	1,100	130	4,000	< 50	< 50	< 50	2,100
6/6/01	34,000	20,000	NA	14,000	94	550	110	4,400	< 50	< 50	< 50	2,300
9/4/01	29,000	19,000	NA	13,000	83	480	83	4,100	< 50	< 50	< 50	3,400
3/11/02	12,000	14,000	NA	2,900	< 20	110	< 20	530	< 20	< 20	< 20	330
6/6/02	20,000	14,000	NA	10,000	< 50	200	51	2,400	< 50	< 50	< 50	1,200
9/4/02	24,000	17,000	NA	11,000	< 50	140	< 50	3,200	< 50	< 50	< 50	1,400
12/17/02	4,900	17,000	NA	2,000	< 10	52	12	360	< 10	< 10	< 10	220
3/7/03	8,700	16,000	NA	2,300	< 10	43	11	770	< 10	< 10	< 10	360
6/5/03	27,000	14,000	NA	10,000	53	220	53	5,000	< 50	< 50	< 50	1,600
9/19/03	120,000	13,000	NA	20,000	170	710	250	6,100	< 25	< 25	< 25	2,600
12/12/03	29,000	27,000	NA	12,000	74	240	79	5,600	17	< 10	30	2,100
3/15/04	28,000	21,000	NA	11,000	72	220	64	8,200	< 50	< 50	< 50	2,900

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Petroleum Hydrocarbons

All results are in parts per billion

Well ID / DATE	TPH Gasoline	TPH Diesel	TPH Motor Oil	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA
MW-4												
8/16/99	61***	1,100*	< 500	< 0.5	< 0.5	< 0.5	< 1.0	86	NA	NA	NA	NA
12/6/99	130***	220*	< 500	< 1.0	< 1.0	< 1.0	< 1.0	130	NA	NA	NA	NA
3/8/00	< 50	220*	< 500	< 0.5	< 0.5	< 0.5	< 0.5	130	NA	NA	NA	NA
6/14/00	< 50	< 50	< 100	< 0.5	< 0.5	< 0.5	< 0.5	100	< 0.5	< 0.5	< 0.5	20
12/11/00	< 50	< 50	< 100	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	< 0.5	16
3/6/01	< 50	670	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	< 0.5	9.9
6/6/01	< 50	790	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	< 0.5	20
9/4/01	< 50	950	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	< 0.5	26
3/11/02	< 50	250	NA	< 0.5	< 0.5	< 0.5	< 0.5	84	< 0.5	< 0.5	< 0.5	21
6/6/02	< 50	710	NA	< 0.5	< 0.5	< 0.5	< 0.5	92	< 0.5	< 0.5	< 0.5	21
9/4/02	< 50	1,100	NA	< 0.5	< 0.5	< 0.5	< 0.5	150	< 0.5	< 0.5	< 0.5	18
12/17/02	< 50	470	NA	< 0.5	< 0.5	< 0.5	< 0.5	120	< 0.5	< 0.5	< 0.5	< 5.0
3/7/03	< 50	470	NA	< 0.5	< 0.5	< 0.5	< 0.5	120	< 0.5	< 0.5	0.52	18
6/5/03	< 50	2,000	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	0.50	23
9/19/03	< 50	830	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	< 0.80	23
12/12/03	< 50	1,700	NA	< 0.5	< 0.5	< 0.5	< 0.5	120	< 0.5	< 0.5	< 0.50	16
3/15/04	< 50	2,200	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	< 0.5	< 0.5	< 0.50	20
MW-5												
12/6/99	450***	2,000*	< 500	< 1.0	< 1.0	< 1.0	< 1.0	21	NA	NA	NA	NA
3/8/00	51***	530*	< 500	< 0.5	< 0.5	< 0.5	< 0.5	84	NA	NA	NA	NA
6/14/00	380	1,400	< 100	< 0.5	< 0.5	< 0.5	< 0.5	160	12	< 0.5	< 0.5	22
12/11/00	540	590	< 100	< 0.5	< 0.5	< 0.5	< 0.5	240	9.5	< 0.5	< 0.5	32
3/6/01	510	2,900	NA	< 0.5	< 0.5	< 0.5	< 0.5	140	13	< 0.5	< 0.5	19
6/6/01	280	2,700	NA	< 0.5	< 0.5	< 0.5	< 0.5	180	13	< 0.5	< 0.5	26
9/4/01	630	2,600	NA	< 0.5	< 0.5	< 0.5	< 0.5	180	9.4	< 0.5	< 0.5	29
3/11/02	97	3,500	NA	< 0.5	< 0.5	< 0.5	< 0.5	29	0.79	< 0.5	< 0.5	7.4
6/6/02	61	3,500	NA	< 0.5	< 0.5	< 0.5	< 0.5	150	2.9	< 0.5	< 0.5	34
9/4/02	92	6,100	NA	< 0.5	< 0.5	< 0.5	< 0.5	370	3.6	< 0.5	< 0.5	72
12/17/02	110	2,100	NA	< 0.5	< 0.5	< 0.5	< 0.5	110	4.2	< 0.5	< 0.5	14
3/7/03	71	1,600	NA	< 0.5	< 0.5	< 0.5	< 0.5	150	2.2	< 0.5	< 0.5	35
6/5/03	95	3,300	NA	< 0.5	< 0.5	< 0.5	< 0.5	170	4.6	< 0.5	< 0.5	43
9/19/03	100	1,400	NA	< 0.5	< 0.5	< 0.5	< 0.5	310	5.2	< 0.50	0.68	86
12/12/03	< 50	7,600	NA	< 0.5	< 0.5	< 0.5	< 0.5	270	5.9	< 0.50	0.70	91
3/15/04	95	1,700	NA	< 0.5	< 0.5	< 0.5	< 0.5	290	6.7	< 0.50	0.92	200
MW-6												
12/6/99	13,000	< 50	< 500	180	21	11	24	< 100	NA	NA	NA	NA
3/8/00	< 10,000	4,600*	< 500	230	26	18	39	12,000	NA	NA	NA	NA
6/14/00	8,400	12,000	< 100	190	12	9.5	22	15,000	< 5.0	< 5.0	70	3,300
12/11/00	< 5,000	10,000	< 100	190	< 50	< 50	< 50	14,000	< 50	< 50	74	2,900
3/6/01	5,300	6,700	NA	220	< 50	< 50	< 50	13,000	< 50	< 50	84	2,100
6/6/01	5,000	23,000	NA	210	< 25	< 25	< 25	12,000	< 25	< 25	84	4,200
9/4/01	5,400	22,000	NA	190	12	< 10	23	15,000	< 10	< 10	79	4,000
3/11/02	4,600	11,000	NA	160	< 25	< 25	< 25	15,000	< 25	< 25	39	5,100
6/6/02	< 5,000	14,000	NA	200	< 50	< 50	< 50	17,000	< 50	< 50	77	8,700
9/4/02	< 5,000	50,000	NA	140	< 50	< 50	< 50	21,000	< 50	< 50	52	7,500
12/17/02	< 5,000	9,100	NA	130	< 50	< 50	< 50	16,000	< 50	< 50	64	6,300
3/7/03	< 5,000	12,000	NA	160	< 50	< 50	< 50	20,000	< 50	< 50	53	7,500
6/5/12003	< 5,000	23,000	NA	230	< 50	< 50	< 50	19,000	< 50	< 50	86	7,100
9/19/03	8,900	24,000	NA	220	< 25	< 25	< 25	15,000	< 25	< 25	74	8,100
12/12/03	8,000	24,000	NA	190	< 25	< 25	32	14,000	< 25	< 25	65	7,400
3/15/04	4,400	26,000	NA	190	< 25	< 25	< 25	9,900	< 25	< 25	61	6,700

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples

Petroleum Hydrocarbons

All results are in parts per billion

Well ID DATE	TPH Gasoline	TPH Diesel	TPH Motor Oil	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA
MW-7												
9/4/02	<50	130****	NA	<0.5	<0.5	<0.5	<0.5	3.4	<0.5	<0.5	<0.5	<5.0
12/17/02	<50	220	NA	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<0.5	<0.5	<5.0
3/7/03	<50	140	NA	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<5.0
6/5/03	<50	200	NA	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<5.0
9/19/03	<50	320	NA	<0.5	<0.5	<0.5	<0.5	5.0	<0.5	<0.5	<0.5	<5.0
12/12/03	<50	380	NA	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5	<5.0
3/15/04	Not Sampled - Truck Parked Over Well											
MW-8												
9/4/02	<50	170	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
12/17/02	<50	100	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
3/7/03	<50	62	NA	<0.5	<0.5	<0.5	<0.5	33	<0.5	<0.5	<0.5	<5.0
6/5/03	<50	270	NA	<0.5	<0.5	<0.5	<0.5	13	<0.5	<0.5	<0.5	<5.0
9/19/03	<50	250	NA	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<5.0
12/12/03	<50	420	NA	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<5.0
3/15/04	<50	250	NA	<0.5	<0.5	<0.5	<0.5	6.4	<0.5	<0.5	<0.5	<5.0
MW-9												
9/4/02	<2,500	1,000	NA	<25	<25	<25	<25	12,000	<25	<25	70	1,700
12/17/02	<2,000	880	NA	<20	<20	<20	<20	4,500	<20	<20	23	2,300
3/7/03	<500	450	NA	<5.0	<5.0	<5.0	<5.0	1,700	<5.0	<5.0	8.4	6,600
6/5/03	<500	4,500	NA	<5.0	<5.0	<5.0	<5.0	120	<5.0	<5.0	<5.0	17,000
9/19/03	<1,000	4,500	NA	<10	<10	<10	<10	38	<10	<10	<10	15,000
12/12/03	Not Sampled - Truck Parked Over Well											
3/15/04	<1,000	9,300	NA	<10	<10	<10	<10	38	<10	<10	<10	23,000
DHS MCL	NE	NE	NE	1	150	700	1,750	13	NE	NE	NE	NE
ESL	400	500	500	46	130	290	1	1,800	NE	NE	NE	NE

Notes

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

Most recent concentrations are in bold

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

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (July 2003)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

NE = MCL/ESL not established.

NA = Sample not analyzed for this compound.

* = Non-typical diesel pattern, hydrocarbons in early diesel range

** = Estimated concentration due to overlapping fuel patterns in the sample.

*** = Non-typical gasoline pattern.

**** = Non-typical diesel pattern.

= MTBE concentration by EPA Method 8260

APPENDIX A

Well Sampling Field Logs

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3540 Date of sampling: 3/15/04
Well Name: MW-1 Sampled by: DA
Total depth of well (feet): _____ Well diameter (inches): 2
Depth to water before sampling (feet): 6.71 / 7.11
Thickness of floating product if any: _____
Depth of well casing in water (feet): _____
Number of gallons per well casing volume (gallons): _____
Number of well casing volumes to be removed: _____
Required volume of groundwater to be purged before sampling (gallons): _____
Equipment used to purge the well: _____
Time Evacuation Began: _____ Time Evacuation Finished: _____
Approximate volume of groundwater purged: _____
Did the well go dry? _____ After how many gallons: _____
Time samples were collected: _____
Depth to water at time of sampling: _____
Percent recovery at time of sampling: _____
Samples collected with: _____
Sample color: _____ Odor: _____
Description of sediment in sample: _____

NOT SAMPLED THIS QUARTER

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity

SAMPLES COLLECTED

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

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: CIC
Job #: _____ Date of sampling: 3/15/00
Well Name: MW-2 Sampled by: DH
Total depth of well (feet): _____ Well diameter (inches): 2
Depth to water before sampling (feet): 5.71
Thickness of floating product if any: _____
Depth of well casing in water (feet): _____
Number of gallons per well casing volume (gallons): _____
Number of well casing volumes to be removed: _____
Required volume of groundwater to be purged before sampling (gallons): _____
Equipment used to purge the well: _____
Time Evacuation Began: _____ Time Evacuation Finished: _____
Approximate volume of groundwater purged: _____
Did the well go dry? _____ After how many gallons: _____
Time samples were collected: _____
Depth to water at time of sampling: _____
Percent recovery at time of sampling: _____
Samples collected with: _____
Sample color: _____ Odor: _____
Description of sediment in sample: _____

NOT SAMPLED THIS QUARTER

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity

SAMPLES COLLECTED

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

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTC
Job #: ~~[illegible]~~
Well Name: MW-3
Date of sampling: 3/15/04
Sampled by: DH
Total depth of well (feet): 15
Well diameter (inches): 2
Depth to water before sampling (feet): 4.52
Thickness of floating product if any: —
Depth of well casing in water (feet): 10.48
Number of gallons per well casing volume (gallons): 1.7
Number of well casing volumes to be removed: ~~5.0~~ 3
Req'd volume of groundwater to be purged before sampling (gallons): 5.0
Equipment used to purge the well: BAILER
Time Evacuation Began: 1410
Time Evacuation Finished: 1430
Approximate volume of groundwater purged:
Did the well go dry?: After how many gallons:
Time samples were collected: 1435
Depth to water at time of sampling: 7.53
Percent recovery at time of sampling:
Samples collected with: BAILER
Sample color: BROWN/GREY Odor: STRONG HC
Description of sediment in sample: SILT

CHEMICAL DATA

TPHd

Volume Purged	Temp	pH	Conductivity
1.7	68.4	6.90	1010
3.4	67.1	7.12	1013
5.0	66.9	7.18	1020

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-3	5	2 1L AG 1/A	H2	✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: _____ Date of sampling: 3/15/04
Well Name: MW-8 Sampled by: DK
Total depth of well (feet): 14 Well diameter (inches): 2
Depth to water before sampling (feet): 4.94
Thickness of floating product if any: ~~0.00~~
Depth of well casing in water (feet): 9.06
Number of gallons per well casing volume (gallons): 1.4
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 4.3
Equipment used to purge the well: BAILER
Time Evacuation Began: 1330 Time Evacuation Finished: 1350
Approximate volume of groundwater purged: 5
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1355
Depth to water at time of sampling: _____
Percent recovery at time of sampling: _____
Samples collected with: _____
Sample color: _____ Odor: _____
Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1.4	70.2	6.10	1483
2.8	69.1	6.50	1512
4.3	68.8	6.32	1520

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	5	40 mL Vial	HCl	Y	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: 615
Job #: 423-3540 Date of sampling: 3/13/07
Well Name: MW-5 Sampled by: DT
Total depth of well (feet): 14 Well diameter (inches): 2
Depth to water before sampling (feet): 4.61
Thickness of floating product if any: --
Depth of well casing in water (feet): 9.39
Number of gallons per well casing volume (gallons): 1.5
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 4.5
Equipment used to purge the well: Bailer
Time Evacuation Began: 1303 Time Evacuation Finished: 1315
Approximate volume of groundwater purged: 4.5
Did the well go dry?: NO After how many gallons: --
Time samples were collected: 1320
Depth to water at time of sampling: 8.10
Percent recovery at time of sampling: --
Samples collected with: Bailer
Sample color: Brown Odor: --
Description of sediment in sample: Silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1.5	68.9	7.16	1059
3.0	67.7	7.31	1071
4.5	66.9	7.32	1071

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-5	3	40 mL VOA	HCl	Y	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: GTS
Job #: _____ Date of sampling: 3/5/09
Well Name: MW-6 Sampled by: DH
Total depth of well (feet): 14.3 Well diameter (inches): 2
Depth to water before sampling (feet): 4.65
Thickness of floating product if any: _____
Depth of well casing in water (feet): 9.65
Number of gallons per well casing volume (gallons): 1.5
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 4.5
Equipment used to purge the well: BAILER
Time Evacuation Began: 1600 Time Evacuation Finished: 1620
Approximate volume of groundwater purged: 4.5
Did the well go dry?: NO After how many gallons: —
Time samples were collected: ~~1600~~ 1622
Depth to water at time of sampling: 6.03
Percent recovery at time of sampling: —
Samples collected with: BAILER
Sample color: — Odor: MODERATE
Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp.	pH	Conductivity
1.5	6.81	6.15	1128
3.0	6.72	6.29	1114
4.5	6.73	6.31	1112

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-6	5	40 mL VOA	HCl	✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: 015
Job #: _____ Date of sampling: 3/15/04
Well Name: MW-8 Sampled by: DH
Total depth of well (feet): 15.0 Well diameter (inches): 2
Depth to water before sampling (feet): 5.53
Thickness of floating product if any: —
Depth of well casing in water (feet): 11.47
Number of gallons per well casing volume (gallons): 1.8
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 5.5
Equipment used to purge the well: BAILER
Time Evacuation Began: 1230 Time Evacuation Finished: 1245
Approximate volume of groundwater purged: 5.5
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1250
Depth to water at time of sampling: 6.48
Percent recovery at time of sampling: —
Samples collected with: BAILER
Sample color: Brown Odor: —
Description of sediment in sample: SAND

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1.8	8.5	6.12	1112
3.7	7.14	6.20	1131
5.5	7.1	6.22	1130

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-8	5	1 liter VOA	HCl	✓	

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3540 Date of sampling: 3/15/04
Well Name: MW-9 Sampled by: DH
Total depth of well (feet): 19.9 Well diameter (inches): 4
Depth to water before sampling (feet): 5.04
Thickness of floating product if any: —
Depth of well casing in water (feet): 14.86
Number of gallons per well casing volume (gallons): 8.9
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 26.74
Equipment used to purge the well: SUB PUMP
Time Evacuation Began: 1630 Time Evacuation Finished: 1650
Approximate volume of groundwater purged: 27.00
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1655
Depth to water at time of sampling: 6.10
Percent recovery at time of sampling:
Samples collected with: BAILER
Sample color: — Odor: NO
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	.69	7.14	112
18	6.57	7.10	1152
27	6.54	7.21	1132

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-9	5	40 mL VOA	HCl	✓	

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

PAGE 1 OF 1

SAMPLER (SIGNATURE)

PROJECT NAME OAKLAND TRUCK STOP JOB NO. 3540

ADDRESS SAN LEANDRO BLVD, OAKLAND

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:
Send EDF
T0600101487

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520) ____	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S/1,2 DCA/PCE (EPA 8260)	LEAD	TPH-G/BTEX/7 OXYS & 8260
MW 3	3/15	1438	W	5		X														X
MW-4	3/15	1355	W	5		X														X
MW-5	3/15	1320	W	5		X														X
MW-6	3/15	1622	W	5		X														X
MW-8	3/15	1250	W	5		X														X
MW-9	3/15	1615	W	5		X														X

RELINQUISHED BY: (signature) 1615 (time)
DAMIAN HELICIA (printed name) 3/16 (date)
Company- ASE

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

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

RECEIVED BY LABORATORY: Michelle Woodworth 0910 (signature) (time)
Michelle Woodworth 031704 (printed name) (date)
Company- Kiff Analytical

COMMENTS: MW-5 NOT PRESERVED!

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

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF ANALYTICAL LLC

Report Number : 37499
Date : 3/25/2004

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

Subject : 6 Water Samples
Project Name : OAKLAND TRUCK STOP
Project Number : 3540

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 : 37499
Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**
Project Number : **3540**

Sample : **MW-3** Matrix : Water Lab Number : 37499-01
Sample Date :3/15/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**11000**	50	ug/L	EPA 8260B	3/21/2004
Toluene	**72**	50	ug/L	EPA 8260B	3/21/2004
Ethylbenzene	**220**	50	ug/L	EPA 8260B	3/21/2004
Total Xylenes	**64**	50	ug/L	EPA 8260B	3/21/2004
Methyl-t-butyl ether (MTBE)	**8200**	50	ug/L	EPA 8260B	3/21/2004
Diisopropyl ether (DIPE)	**< 50**	50	ug/L	EPA 8260B	3/21/2004
Ethyl-t-butyl ether (ETBE)	**< 50**	50	ug/L	EPA 8260B	3/21/2004
Tert-amyl methyl ether (TAME)	**< 50**	50	ug/L	EPA 8260B	3/21/2004
Tert-Butanol	**2900**	500	ug/L	EPA 8260B	3/21/2004
Methanol	**< 5000**	5000	ug/L	EPA 8260B	3/21/2004
Ethanol	**< 500**	500	ug/L	EPA 8260B	3/21/2004
TPH as Gasoline	**28000**	5000	ug/L	EPA 8260B	3/21/2004
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	3/21/2004
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	3/21/2004
TPH as Diesel	**21000**	50	ug/L	M EPA 8015	3/19/2004
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	3/19/2004

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 37499
Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**
Project Number : **3540**

Sample : **MW-4** Matrix : Water Lab Number : 37499-02
Sample Date :3/15/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Methyl-t-butyl ether (MTBE)	**110**	0.50	ug/L	EPA 8260B	3/17/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Tert-Butanol	**20**	5.0	ug/L	EPA 8260B	3/17/2004
Methanol	**< 50**	50	ug/L	EPA 8260B	3/17/2004
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/17/2004
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/17/2004
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	3/17/2004
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	3/17/2004
TPH as Diesel	**2200**	50	ug/L	M EPA 8015	3/19/2004
Octacosane (Diesel Surrogate)	158		% Recovery	M EPA 8015	3/19/2004

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 37499
Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**
Project Number : **3540**

Sample : **MW-5** Matrix : Water Lab Number : 37499-03
Sample Date :3/15/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Methyl-t-butyl ether (MTBE)	**290**	0.50	ug/L	EPA 8260B	3/17/2004
Diisopropyl ether (DIPE)	**6.7**	0.50	ug/L	EPA 8260B	3/17/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/17/2004
Tert-amyl methyl ether (TAME)	**0.92**	0.50	ug/L	EPA 8260B	3/17/2004
Tert-Butanol	**200**	5.0	ug/L	EPA 8260B	3/17/2004
Methanol	**< 50**	50	ug/L	EPA 8260B	3/17/2004
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/17/2004
TPH as Gasoline	**95**	50	ug/L	EPA 8260B	3/17/2004
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/17/2004
4-Bromofluorobenzene (Surr)	93.9		% Recovery	EPA 8260B	3/17/2004
TPH as Diesel	**1700**	50	ug/L	M EPA 8015	3/19/2004
Octacosane (Diesel Surrogate)	96.2		% Recovery	M EPA 8015	3/19/2004

Approved By. Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 37499
Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**
Project Number : **3540**

Sample : **MW-6** Matrix : Water Lab Number : 37499-04
Sample Date :3/15/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**190**	25	ug/L	EPA 8260B	3/21/2004
Toluene	**< 25**	25	ug/L	EPA 8260B	3/21/2004
Ethylbenzene	**< 25**	25	ug/L	EPA 8260B	3/21/2004
Total Xylenes	**< 25**	25	ug/L	EPA 8260B	3/21/2004
Methyl-t-butyl ether (MTBE)	**9900**	25	ug/L	EPA 8260B	3/21/2004
Diisopropyl ether (DIPE)	**< 25**	25	ug/L	EPA 8260B	3/21/2004
Ethyl-t-butyl ether (ETBE)	**< 25**	25	ug/L	EPA 8260B	3/21/2004
Tert-amyl methyl ether (TAME)	**61**	25	ug/L	EPA 8260B	3/21/2004
Tert-Butanol	**6700**	250	ug/L	EPA 8260B	3/21/2004
Methanol	**< 2500**	2500	ug/L	EPA 8260B	3/21/2004
Ethanol	**< 250**	250	ug/L	EPA 8260B	3/21/2004
TPH as Gasoline	**4400**	2500	ug/L	EPA 8260B	3/21/2004
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	3/21/2004
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	3/21/2004
TPH as Diesel	**26000**	500	ug/L	M EPA 8015	3/23/2004
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	3/23/2004

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 37499
Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**
Project Number : **3540**

Sample : **MW-8** Matrix : Water Lab Number : 37499-05
Sample Date :3/15/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Methyl-t-butyl ether (MTBE)	**6.4**	0.50	ug/L	EPA 8260B	3/19/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/19/2004
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/19/2004
Methanol	**< 50**	50	ug/L	EPA 8260B	3/19/2004
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/19/2004
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/19/2004
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	3/19/2004
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	3/19/2004
TPH as Diesel	**250**	50	ug/L	M EPA 8015	3/19/2004
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	3/19/2004

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 37499
Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**
Project Number : **3540**

Sample : **MW-9** Matrix : Water Lab Number : 37499-06
Sample Date :3/15/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Toluene	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Ethylbenzene	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Total Xylenes	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Methyl-t-butyl ether (MTBE)	**38**	10	ug/L	EPA 8260B	3/21/2004
Diisopropyl ether (DIPE)	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Ethyl-t-butyl ether (ETBE)	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Tert-amyl methyl ether (TAME)	**< 10**	10	ug/L	EPA 8260B	3/21/2004
Tert-Butanol	**23000**	100	ug/L	EPA 8260B	3/21/2004
Methanol	**< 1000**	1000	ug/L	EPA 8260B	3/21/2004
Ethanol	**< 100**	100	ug/L	EPA 8260B	3/21/2004
TPH as Gasoline	**< 1000**	1000	ug/L	EPA 8260B	3/21/2004
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	3/21/2004
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	3/21/2004
TPH as Diesel	**9300**	50	ug/L	M EPA 8015	3/19/2004
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	3/19/2004

Approved By: Joel Kiff

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Report Number : 37499

Date : 3/25/2004

QC Report : Method Blank Data

Project Name : **OAKLAND TRUCK STOP**

Project Number : **3540**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	3/18/2004
Octacosane (Diesel Surrogate)	122		%	M EPA 8015	3/18/2004
Benzene	< 0 50	0.50	ug/L	EPA 8260B	3/17/2004
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/17/2004
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/17/2004
Total Xylenes	< 0 50	0 50	ug/L	EPA 8260B	3/17/2004
Methyl-t-butyl ether (MTBE)	< 0.50	0 50	ug/L	EPA 8260B	3/17/2004
Diisopropyl ether (DIPE)	< 0.50	0 50	ug/L	EPA 8260B	3/17/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/17/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/17/2004
Tert-Butanol	< 5 0	5 0	ug/L	EPA 8260B	3/17/2004
Methanol	< 50	50	ug/L	EPA 8260B	3/17/2004
Ethanol	< 5.0	5 0	ug/L	EPA 8260B	3/17/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/17/2004
Toluene - d8 (Surr)	97.0		%	EPA 8260B	3/17/2004
4-Bromofluorobenzene (Surr)	97.2		%	EPA 8260B	3/17/2004
Benzene	< 0 50	0 50	ug/L	EPA 8260B	3/20/2004
Toluene	< 0 50	0.50	ug/L	EPA 8260B	3/20/2004
Ethylbenzene	< 0.50	0 50	ug/L	EPA 8260B	3/20/2004
Total Xylenes	< 0.50	0 50	ug/L	EPA 8260B	3/20/2004
Methyl-t-butyl ether (MTBE)	< 0 50	0.50	ug/L	EPA 8260B	3/20/2004
Diisopropyl ether (DIPE)	< 0 50	0 50	ug/L	EPA 8260B	3/20/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0 50	ug/L	EPA 8260B	3/20/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/20/2004
Tert-Butanol	< 5 0	5.0	ug/L	EPA 8260B	3/20/2004
Methanol	< 50	50	ug/L	EPA 8260B	3/20/2004
Ethanol	< 5.0	5 0	ug/L	EPA 8260B	3/20/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/20/2004
Toluene - d8 (Surr)	97 8		%	EPA 8260B	3/20/2004
4-Bromofluorobenzene (Surr)	96 0		%	EPA 8260B	3/20/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 37499

Date : 3/25/2004

Project Name : **OAKLAND TRUCK STOP**

Project Number : **3540**

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 as Diesel	Blank	<50	1000	1000	1060	1020	ug/L	M EPA 8015	3/18/04	106	102	3.66	70-130	25
Benzene	37499-02	<0.50	40.0	40.0	41.2	40.7	ug/L	EPA 8260B	3/17/04	103	102	1.21	70-130	25
Toluene	37499-02	<0.50	40.0	40.0	40.7	40.8	ug/L	EPA 8260B	3/17/04	102	102	0.202	70-130	25
Tert-Butanol	37499-02	20	200	200	226	225	ug/L	EPA 8260B	3/17/04	103	102	0.949	70-130	25
Methyl-t-Butyl Ether	37499-02	110	40.0	40.0	154	152	ug/L	EPA 8260B	3/17/04	116	111	4.53	70-130	25
Benzene	37557-09	<0.50	40.0	40.0	42.9	41.4	ug/L	EPA 8260B	3/20/04	107	104	3.56	70-130	25
Toluene	37557-09	<0.50	40.0	40.0	43.1	40.7	ug/L	EPA 8260B	3/20/04	108	102	5.66	70-130	25
Tert-Butanol	37557-09	<5.0	200	200	198	191	ug/L	EPA 8260B	3/20/04	99.2	95.3	3.96	70-130	25
Methyl-t-Butyl Ether	37557-09	<0.50	40.0	40.0	37.7	37.9	ug/L	EPA 8260B	3/20/04	94.3	94.8	0.559	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 37499

Date : 3/25/2004

QC Report : Laboratory Control Sample (LCS)

Project Name : **OAKLAND TRUCK STOP**

Project Number : **3540**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/17/04	99.8	70-130
Toluene	40.0	ug/L	EPA 8260B	3/17/04	99.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/17/04	97.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/17/04	102	70-130
Benzene	40.0	ug/L	EPA 8260B	3/20/04	104	70-130
Toluene	40.0	ug/L	EPA 8260B	3/20/04	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/20/04	95.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/20/04	86.3	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

37499

PAGE 1 OF 1

SAMPLER (SIGNATURE)

PROJECT NAME OAKLAND TRUCK STOP JOB NO. 3540

ADDRESS SAN LEANDRO BLVD, OAKLAND

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:
SEND EDF
T0600101487

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S/1,2 DCA/PCE (EPA 8260)	LEAD	TPH-G/BTEX/7 OXYS 8260	
MW-3	3/15	1433	W	5		X														X	-01
MW-4	3/15	1355	W	5		X														X	-02
MW-5	3/15	1320	W	5		X														X	-03
MW-6	3/15	1622	W	5		X														X	-04
MW-8	3/15	1250	W	5		X														X	-05
MW-9	3/15	1653	W	5		X														X	-06

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:
(signature) 1615 (time)	(signature) (time)	(signature) (time)	Michelle Woodworth 0910 (signature) (time)
DAMIAN HRICIGA 3/16 (printed name) (date)	(printed name) (date)	(printed name) (date)	Michelle Woodworth 031704 (printed name) (date)
Company- ASE	Company-	Company-	Company- Kiff Analytical

COMMENTS:
MW-5 NOT PRESERVED!

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