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Jerry

May 23, 2005

QUARTERLY GROUNDWATER MONITORING REPORT
APRIL 6, 2005 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 April 6, 2005 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 April 6, 2005, ASE measured the depth to water in monitoring wells MW-1, and MW-3 through MW-9 using an electric water level sounder. A truck was parked above MW-2 and prevented access to the well. The surface of the groundwater in the monitoring wells was also checked for the presence of free-phase hydrocarbons or sheen. Monitoring well MW-1 contained approximately 1.4-feet of free-phase hydrocarbons. This product was subsequently bailed from the well until only a sheen was visible. Approximately 2 gallons of product, along with several gallons of water were removed from the well and stored temporarily on site in a 55-gallon, labeled drum. Groundwater elevation data is presented as Table One.

A groundwater potentiometric surface map for the April 6, 2005 sampling event is presented as Figure 2. The groundwater flow direction at the site has been inconsistent and highly variable. Groundwater flow this quarter was generally to the north and west with gradient 0.013-feet per foot.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Groundwater samples were collected from monitoring wells MW-3 through MW-9. Prior to sampling, the wells were purged of three well casing volumes of groundwater using disposable 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 then collected from each well using the same polyethylene bailers.

All samples were decanted from the bottom of the bailers using low-flow sampling devices 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, and stored for later removal.

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 1.4-feet of free-phase hydrocarbons this quarter.

In general, concentrations of dissolved hydrocarbons remained similar to previous results. A notable change was the TPH-D and MTBE concentrations in the groundwater samples collected from monitoring wells MW-4 and MW-6 were at historic lows (except for the first time MW-6 was sampled in 1999 when these compounds were not detected). Also in the sample collected from monitoring well MW-6, toluene, ethylbenzene and xylenes were detected for the first time in approximately 5 years, although this is likely related to the lower detection limits this quarter. There was also a notable increase in TPH-D concentrations in groundwater samples collected from monitoring well MW-3.

Hydrocarbon concentrations in the groundwater samples collected from monitoring wells MW-3, MW-5, and MW-6 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. The benzene, toluene, xylenes, and MTBE concentrations in the groundwater samples collected from monitoring wells MW-3 also exceeded the ESLs. The benzene, xylenes, and MTBE concentrations in the groundwater samples collected from monitoring wells MW-6 also exceeded the ESLs.

5.0 RECOMMENDATIONS

ASE recommends that this site remain on a quarterly sampling schedule. The next sampling is scheduled for June 2005.

Oakland Truck Stop staff will continue periodic free-phase hydrocarbon 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.

6.0 REPORT LIMITATIONS

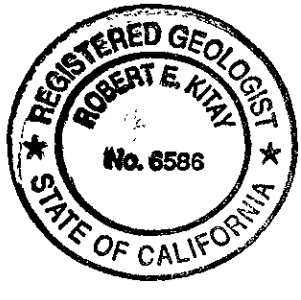
The results presented in this report represent conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from 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.

David Allen, R.E.A.
Senior Project Manager



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

Attachments: Table One and Two
Figures 1 and 2
Appendices A and B

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

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*
6/22/04		NM	NM	NM
9/21/04		NM	NM	NM
12/30/04			Probe Malfunction	
4/6/05		5.70	1.40	6.44*
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
6/22/04		5.80	--	4.90
9/21/04		6.64	--	4.06
12/30/04		6.04	--	4.66
4/6/05		INACCESSIBLE DUE TO TRUCK OVER WELL		

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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
6/22/04		6.49	--	3.83
9/21/04		5.72	--	4.60
12/30/04		4.72	--	5.60
4/6/04		3.78	--	6.54
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
6/22/04		5.68	--	4.82
9/21/04		6.01	--	4.49
12/30/04		4.55	--	5.95
4/6/05		4.09	--	6.41

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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-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
6/22/04		5.26	--	4.94
9/21/04		5.68	--	4.52
9/21/04		4.55	--	5.65
4/6/05		3.98	--	6.22
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
6/22/04		5.34	--	5.37
9/21/04		5.89	--	4.82
12/30/04		4.35	--	6.36
4/6/05		3.66	--	7.05
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	
6/22/04		4.52	--	4.65
9/21/04		4.56	--	4.61
12/30/04		3.17	--	6.00
4/6/05		2.77	--	6.40

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Well I.D & Date Sampled	Top of Casing Elevation (msl)	Depth to Water (feet)	Free-Floating Hydrocarbon Thickness (feet)	Groundwater Elevation (msl)
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**
6/22/04		4.52	--	NA**
9/21/04		4.70	--	NA**
12/30/04		4.23	--	NA**
4/6/05		3.50	--	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
6/22/04		5.91	--	5.16
9/21/04		6.24	--	4.83
12/30/04			Truck Parked Over Well	
4/6/05		4.12	--	6.95

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.

*** = Product was bailed by OTS staff prior to measurement by ASE.

NM = Not Measured

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											
12/12/03	Not Sampled Due to Free-Floating Hydrocarbons											
3/15/04	Not Sampled Due to Free-Floating Hydrocarbons											
6/22/04	Not Sampled Due to Free-Floating Hydrocarbons											
9/21/04	Not Sampled Due to Free-Floating Hydrocarbons											
12/30/04	Not Sampled Due to Free-Floating Hydrocarbons											
4/6/05	Not Sampled Due to Free-Floating Hydrocarbons (1.4-feet)											
MW-2												
8/16/99	2,200	970*	<500	38	<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	97	<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	150	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											
6/22/04	1,600	420	NA	1.3	<0.5	1.0	<0.5	580	4.6	<0.5	3.9	340
9/21/04	2,500	<400	NA	1.2	<0.5	1.5	<0.5	730	5.9	<0.5	4.9	550
12/30/04	1,800	<300	NA	1.2	<1.0	<1.0	<1.0	540	5.0	<1.0	3.6	400
4/6/05	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	,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	2,300
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	2,300	<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
6/22/04	29,000	7,600	NA	11,000	71	220	54	8,400	<50	<50	<50	3,000
9/21/04	33,000	<5,000	NA	12,000	67	190	56	8,200	<25	<25	47	3,200
12/30/04	30,000	13,000	NA	11,000	62	170	49	8,300	<25	<25	49	3,200
4/6/05	29,000	46,000	NA	10,000	55	170	47	8,800	<25	<25	50	4,400

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	<0.5	16
3/15/04	<50	2,200	NA	<0.5	<0.5	<0.5	<0.5	110	<0.5	<0.5	<0.5	20
9/21/04	<50	620	NA	<0.5	<0.5	<0.5	<0.5	93	<0.5	<0.5	<0.5	31
4/6/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	59	<0.5	<0.5	<0.5	50
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	<0.5	0.68	86
12/12/03	<50	7,600	NA	<0.5	<0.5	<0.5	<0.5	270	5.9	<0.5	0.70	91
3/15/04	95	1,700	NA	<0.5	<0.5	<0.5	<0.5	290	6.7	<0.5	0.92	200
9/21/04	78	990	NA	<0.5	<0.5	<0.5	<0.5	270	4.7	<0.5	0.96	880
4/6/05	64	1,200	NA	<0.5	<0.5	<0.5	<0.5	120	4.8	<0.5	<0.5	780
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	180	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
6/5/03	<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
6/22/04	3,500	7,000	NA	150	<20	<20	<20	9,200	<20	<20	51	6,100
9/21/04	4,600	12,000	NA	210	<20	<20	<20	8,800	<20	<20	55	7,000
12/30/04	5,300	11,000	NA	190	<20	<20	<20	6,300	<20	<20	53	4,900
4/6/05	5,100	680	NA	190	13	12	32	3,700	<5.0	<5.0	42	4,600

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 O.	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											
9/21/04	<50	79	NA	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	<0.5	<5.0
4/6/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	9.2	<0.5	<0.5	<0.5	<5.0
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
9/21/04	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<5.0
4/6/05	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	8.0	<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	82	NA	<10	<10	<10	<10	38	<10	<10	<10	18,000
9/21/04	<1,000	2,600	NA	<10	<10	<10	<10	17	<10	<10	<10	16,000
12/30/04	Not Sampled - Truck Parked Over Well											
4/6/05	<700	<50	NA	<7.0	<7.0	<7.0	<7.0	55	<7.0	<7.0	<7.0	15,000
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 wa

Sites With Contaminated Soil and Groundwater (July 2005)" document prepared by the California

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.

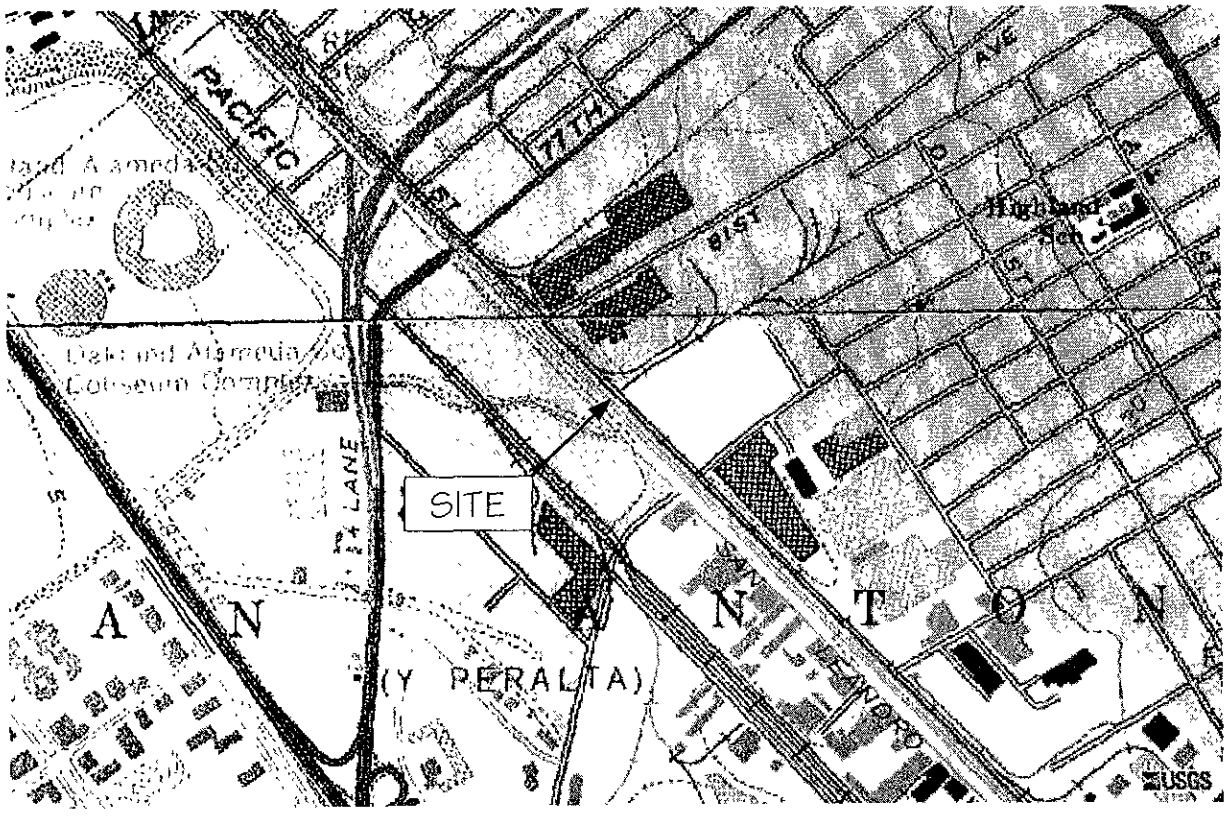
*** = Non-typical gasoline pattern

**** = Non-typical diesel pattern

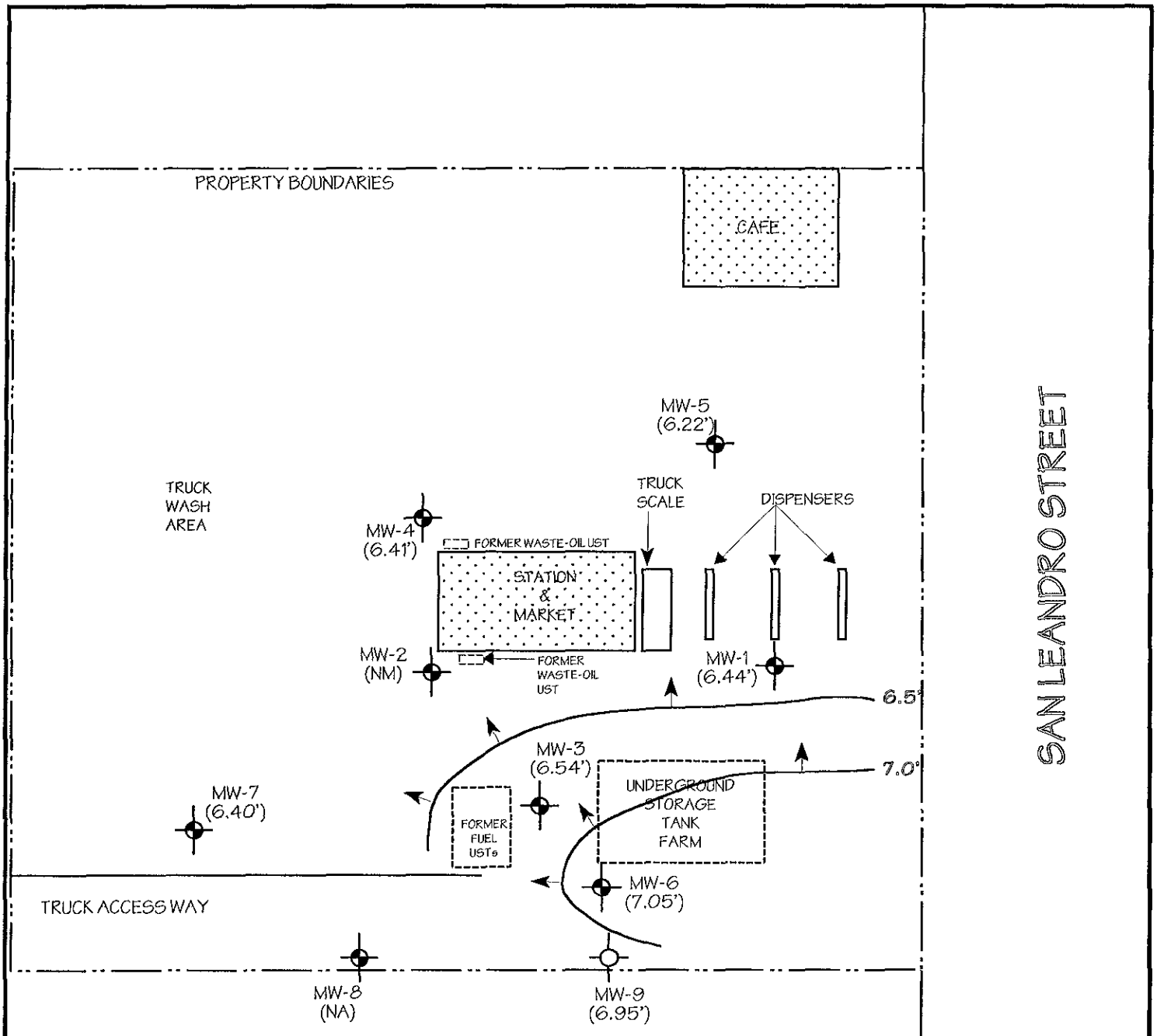
= MTBE concentration by EPA Method 8260

FIGURES

NORTH



LOCATION MAP	
OAKLAND TRUCK STOP 8255 SAN LEANDRO STREET OAKLAND, CALIFORNIA	
AQUA SCIENCE ENGINEERS, INC.	Figure 1



LEGEND

NM	Not Measured
	Potentiometric surface contour with arrow indicating groundwater flow direction
	4-inch diameter monitoring well
MW-4 (6.41')	Monitoring well (with groundwater elevation in feet)

NORTH

SCALE
1" = 50'

POTENTIOMETRIC SURFACE CONTOUR MAP
04/06/05

OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | Figure 2

APPENDIX A

Well Sampling Field Logs

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WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3540 Date of sampling: 04-06-05
Well Name: MW-1 Sampled by: DA
Total depth of well (feet): _____ Well diameter (inches): 2"
Depth to water before sampling (feet): 5.70
Thickness of floating product if any: 1.4 FEET
Depth of well casing in water (feet): _____
Number of gallons per well casing volume (gallons): _____
Number of well casing volumes to be removed: _____
Req'd volume of groundwater to be purged before sampling (gallons): _____
Equipment used to purge the well: _____
Time Evacuation Began: _____ Time Evacuation Finished: _____
Approximate volume of groundwater purged: _____
Did the well go dry?: _____ After how many gallons: _____
Time samples were collected: _____
Depth to water at time of sampling: _____
Percent recovery at time of sampling: _____
Samples collected with: _____
Sample color: _____ Odor: _____
Description of sediment in sample: _____

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity

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

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: CTS
Job #: 3540 Date of sampling: 04-06-05
Well Name: MW-2 Sampled by: DA
Total depth of well (feet): _____ Well diameter (inches): _____
Depth to water before sampling (feet): _____
Thickness of floating product if any: _____
Depth of well casing in water (feet): _____
Number of gallons per well casing volume (gallons): _____
Number of well casing volumes to be removed: _____
Req'd volume of groundwater to be purged before sampling (gallons): _____
Equipment used to purge the well: _____
Time Evacuation Began: _____ Time Evacuation Finished: _____
Approximate volume of groundwater purged: _____
Did the well go dry?: _____ After how many gallons: _____
Time samples were collected: _____
Depth to water at time of sampling: _____
Percent recovery at time of sampling: _____
Samples collected with: _____
Sample color: _____ Odor: _____
Description of sediment in sample: _____

CHEMICAL DATA

INACCESIBLE DUE TO TRUCK PARKED OVER TOP OF WELL

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: OTS
Job #: 3540
Date of sampling: 04 06 05
Well Name: MW-3
Sampled by: DA
Total depth of well (feet): 15
Well diameter (inches): 2
Depth to water before sampling (feet): 3.78
Thickness of floating product if any: ø
Depth of well casing in water (feet): 11.22
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): 5.4
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1350
Time Evacuation Finished: 1405
Approximate volume of groundwater purged: 5.4
Did the well go dry?: NO
After how many gallons: —
Time samples were collected: 1410
Depth to water at time of sampling: 3.85
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: CLEAR
Odor: NO
Description of sediment in sample: NONE

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	67.1	6.32	1820
2	67.0	6.30	1830
3	67.2	6.31	1820

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-3	[illegible]	[illegible]	[illegible]	[illegible]	TPH D,G, METALS

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: CTS
Job #: 3540 Date of sampling: 04.06.05
Well Name: MW-4 Sampled by: DA
Total depth of well (feet): 14 Well diameter (inches): 2"
Depth to water before sampling (feet): 4.09
Thickness of floating product if any: 0
Depth of well casing in water (feet): 9.91
Number of gallons per well casing volume (gallons): 1.6
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 4.7
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1325 Time Evacuation Finished: 1340
Approximate volume of groundwater purged: 5
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1345
Depth to water at time of sampling: 4.11
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: CLEAR Odor: NONE
Description of sediment in sample: CLEAR

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	68.1	6.60	1432
2	67.9	6.58	1435
3	68.0	6.61	1430

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-4	5	40 ml VOA	HCl	Y	TPH-G, B, MTBE

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WELL SAMPLING FIELD LOG

Project Name and Address: 075
Job #: 3596 Date of sampling: 04-06-05
Well Name: MW-5 Sampled by: DA
Total depth of well (feet): 14 Well diameter (inches): 2
Depth to water before sampling (feet): 3.98
Thickness of floating product if any: 0
Depth of well casing in water (feet): 10.02
Number of gallons per well casing volume (gallons): 1.6
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 4.8
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1300 Time Evacuation Finished: 1315
Approximate volume of groundwater purged: 5 gal.
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1320
Depth to water at time of sampling: 4.06
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: — Odor: —
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	67.6	7.11	1240
2	67.8	7.10	1242
3	67.9	7.12	1254

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-5	5	40 ml VOA	Y	Y	TPH G, BTEX

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WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3590 Date of sampling: 04-06-05
Well Name: MW-6 Sampled by: DA
Total depth of well (feet): 14.3 Well diameter (inches): 2
Depth to water before sampling (feet): 3.66
Thickness of floating product if any: 0
Depth of well casing in water (feet): 10.64
Number of gallons per well casing volume (gallons): 1.7
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 5.1
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1235 Time Evacuation Finished: 1250
Approximate volume of groundwater purged: 5 gal
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1255
Depth to water at time of sampling: 3.70
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: — Odor: NE
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	67.3	6.46	820
2	67.4	6.52	820
3	67.5	6.48	830

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-6	5	40 ml VOA	✓	✓	TPH-G, BTEX

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3540 Date of sampling: 04-06-05
Well Name: MW-7 Sampled by: D.A
Total depth of well (feet): 16.2 Well diameter (inches): 2
Depth to water before sampling (feet): 2.77
Thickness of floating product if any: NONE
Depth of well casing in water (feet): 13.43
Number of gallons per well casing volume (gallons): 2.15
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 6.45
Equipment used to purge the well: NEW DISPOSABLE BAILER
Time Evacuation Began: 1210 Time Evacuation Finished: 1225
Approximate volume of groundwater purged: 7 gal.
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1230
Depth to water at time of sampling: 2.78
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: — Odor: —
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	68.6	6.60	1320
2	68.7	6.63	1330
3	68.5	6.61	1320

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-7	5	40 ml VOA	✓	✓	TPH G, BTEX

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3540 Date of sampling: 04.06.05
Well Name: MW-8 Sampled by: DA
Total depth of well (feet): 15.0 Well diameter (inches): 2
Depth to water before sampling (feet): 3.50
Thickness of floating product if any: 0
Depth of well casing in water (feet): 11.50
Number of gallons per well casing volume (gallons): 1.84
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: NEW DISPOSABLE BAILER
Time Evacuation Began: 1145 Time Evacuation Finished: 1200
Approximate volume of groundwater purged: 5.5 gal.
Did the well go dry?: NO After how many gallons: —
Time samples were collected: 1205
Depth to water at time of sampling: 3.58
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: — Odor: —
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	66.5	6.90	1200
2	66.1	6.38	1210
3	66.5	6.42	1220

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-8	5	40 mL VOA	✓	✓	TPH G, BTEX

aqua science engineers inc.

WELL SAMPLING FIELD LOG

Project Name and Address: OTS
Job #: 3540
Date of sampling: 04.06.05
Well Name: MW-9
Sampled by: DA
Total depth of well (feet): 19.9
Well diameter (inches): 4
Depth to water before sampling (feet): 4.12
Thickness of floating product if any: Ø
Depth of well casing in water (feet): 15.78
Number of gallons per well casing volume (gallons): 26
Number of well casing volumes to be removed: 3
Req'd volume of groundwater to be purged before sampling (gallons): 78
Equipment used to purge the well: SUBMERSIBLE PUMP
Time Evacuation Began: 1100
Time Evacuation Finished: 1135
Approximate volume of groundwater purged: 80
Did the well go dry?: NO
After how many gallons: —
Time samples were collected: 1140
Depth to water at time of sampling: 15.92
Percent recovery at time of sampling: 99
Samples collected with: NEW DISPOSABLE BAILER
Sample color: —
Odor: —
Description of sediment in sample: —

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	66.9	7.11	1301
2	66.7	7.10	1321
3	66.8	7.12	1296

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-9	5	40 ml VOA	✓	✓	TPH-G, BTEX

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Subject : 7 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 : 43163
Date : 4/13/2005

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

Sample : **MW-3** Matrix : Water Lab Number : 43163-01
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**10000**	25	ug/L	EPA 8260B	4/9/2005
Toluene	**55**	25	ug/L	EPA 8260B	4/9/2005
Ethylbenzene	**170**	25	ug/L	EPA 8260B	4/9/2005
Total Xylenes	**47**	25	ug/L	EPA 8260B	4/9/2005
Methyl-t-butyl ether (MTBE)	**8800**	25	ug/L	EPA 8260B	4/9/2005
Diisopropyl ether (DIPE)	**< 25**	25	ug/L	EPA 8260B	4/9/2005
Ethyl-t-butyl ether (ETBE)	**< 25**	25	ug/L	EPA 8260B	4/9/2005
Tert-amyl methyl ether (TAME)	**50**	25	ug/L	EPA 8260B	4/9/2005
Tert-Butanol	**4400**	150	ug/L	EPA 8260B	4/9/2005
Methanol	**< 2500**	2500	ug/L	EPA 8260B	4/9/2005
Ethanol	**< 250**	250	ug/L	EPA 8260B	4/9/2005
TPH as Gasoline	**29000**	2500	ug/L	EPA 8260B	4/9/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	4/9/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	4/9/2005
TPH as Diesel (Silica Gel)	**46000**	50	ug/L	M EPA 8015	4/8/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Sample : **MW-4** Matrix : Water Lab Number : 43163-02
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Methyl-t-butyl ether (MTBE)	**59**	0.50	ug/L	EPA 8260B	4/12/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/12/2005
Tert-Butanol	**50**	5.0	ug/L	EPA 8260B	4/12/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	4/12/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/12/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/12/2005
Toluene - d8 (Surr)	90.7		% Recovery	EPA 8260B	4/12/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	4/12/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	4/8/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Sample : **MW-5** Matrix : Water Lab Number : 43163-03
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/9/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/9/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/9/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/9/2005
Methyl-t-butyl ether (MTBE)	**120**	0.50	ug/L	EPA 8260B	4/9/2005
Diisopropyl ether (DIPE)	**4.8**	0.50	ug/L	EPA 8260B	4/9/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/9/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/9/2005
Tert-Butanol	**780**	5.0	ug/L	EPA 8260B	4/9/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	4/9/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/9/2005
TPH as Gasoline	**64**	50	ug/L	EPA 8260B	4/9/2005
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/9/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	4/9/2005
TPH as Diesel (Silica Gel)	**1200**	50	ug/L	M EPA 8015	4/9/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Sample : **MW-6** Matrix : Water Lab Number : 43163-04
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**190**	5.0	ug/L	EPA 8260B	4/12/2005
Toluene	**13**	5.0	ug/L	EPA 8260B	4/12/2005
Ethylbenzene	**12**	5.0	ug/L	EPA 8260B	4/12/2005
Total Xylenes	**32**	5.0	ug/L	EPA 8260B	4/12/2005
Methyl-t-butyl ether (MTBE)	**3700**	5.0	ug/L	EPA 8260B	4/12/2005
Diisopropyl ether (DIPE)	**< 5.0**	5.0	ug/L	EPA 8260B	4/12/2005
Ethyl-t-butyl ether (ETBE)	**< 5.0**	5.0	ug/L	EPA 8260B	4/12/2005
Tert-amyl methyl ether (TAME)	**42**	5.0	ug/L	EPA 8260B	4/12/2005
Tert-Butanol	**4600**	25	ug/L	EPA 8260B	4/12/2005
Methanol	**< 500**	500	ug/L	EPA 8260B	4/12/2005
Ethanol	**< 50**	50	ug/L	EPA 8260B	4/12/2005
TPH as Gasoline	**5100**	500	ug/L	EPA 8260B	4/12/2005
Toluene - d8 (Surr)	97.3		% Recovery	EPA 8260B	4/12/2005
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	4/12/2005
TPH as Diesel (Silica Gel)	**680**	50	ug/L	M EPA 8015	4/9/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Sample : **MW-7** Matrix : Water Lab Number : 43163-05
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Methyl-t-butyl ether (MTBE)	**9.2**	0.50	ug/L	EPA 8260B	4/8/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/8/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	4/8/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/8/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/8/2005
Toluene - d8 (Surr)	92.6		% Recovery	EPA 8260B	4/8/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	4/8/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	4/9/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Sample : **MW-8** Matrix : Water Lab Number : 43163-06
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Methyl-t-butyl ether (MTBE)	**8.0**	0.50	ug/L	EPA 8260B	4/8/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/8/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/8/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	4/8/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/8/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/8/2005
Toluene - d8 (Surr)	93.6		% Recovery	EPA 8260B	4/8/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	4/8/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	4/9/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 43163
Date : 4/13/2005

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

Sample : **MW-9** Matrix : Water Lab Number : 43163-07
Sample Date :4/6/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Toluene	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Ethylbenzene	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Total Xylenes	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Methyl-t-butyl ether (MTBE)	**55**	7.0	ug/L	EPA 8260B	4/9/2005
Diisopropyl ether (DIPE)	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Ethyl-t-butyl ether (ETBE)	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Tert-amyl methyl ether (TAME)	**< 7.0**	7.0	ug/L	EPA 8260B	4/9/2005
Tert-Butanol	**15000**	40	ug/L	EPA 8260B	4/9/2005
Methanol	**< 700**	700	ug/L	EPA 8260B	4/9/2005
Ethanol	**< 70**	70	ug/L	EPA 8260B	4/9/2005
TPH as Gasoline	**< 700**	700	ug/L	EPA 8260B	4/9/2005
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	4/9/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	4/9/2005
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	4/9/2005

Approved By: Joel Kiff

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

Report Number : 43163

Date : 4/13/2005

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 (Silica Gel)	< 50	50	ug/L	M EPA 8015	4/8/2005
Benzene	< 0.50	0 50	ug/L	EPA 8260B	4/12/2005
Toluene	< 0 50	0 50	ug/L	EPA 8260B	4/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/12/2005
Total Xylenes	< 0 50	0.50	ug/L	EPA 8260B	4/12/2005
Methyl-t-butyl ether (MTBE)	< 0 50	0.50	ug/L	EPA 8260B	4/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/12/2005
Ethyl-t-butyl ether (ETBE)	< 0 50	0.50	ug/L	EPA 8260B	4/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0 50	ug/L	EPA 8260B	4/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/12/2005
Methanol	< 50	50	ug/L	EPA 8260B	4/12/2005
Ethanol	< 5 0	5.0	ug/L	EPA 8260B	4/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/12/2005
Toluene - d8 (Surr)	99 8		%	EPA 8260B	4/12/2005
4-Bromofluorobenzene (Surr)	95.8		%	EPA 8260B	4/12/2005
Benzene	< 0 50	0.50	ug/L	EPA 8260B	4/8/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/8/2005
Ethylbenzene	< 0.50	0 50	ug/L	EPA 8260B	4/8/2005
Total Xylenes	< 0.50	0 50	ug/L	EPA 8260B	4/8/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0 50	ug/L	EPA 8260B	4/8/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/8/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0 50	ug/L	EPA 8260B	4/8/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/8/2005
Tert-Butanol	< 5 0	5 0	ug/L	EPA 8260B	4/8/2005
Methanol	< 50	50	ug/L	EPA 8260B	4/8/2005
Ethanol	< 5.0	5 0	ug/L	EPA 8260B	4/8/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/8/2005
Toluene - d8 (Surr)	101		%	EPA 8260B	4/8/2005
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	4/8/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0 50	0 50	ug/L	EPA 8260B	4/8/2005
Toluene	< 0 50	0 50	ug/L	EPA 8260B	4/8/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/8/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/8/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/8/2005
Diisopropyl ether (DIPE)	< 0.50	0 50	ug/L	EPA 8260B	4/8/2005
Ethyl-t-butyl ether (ETBE)	< 0 50	0.50	ug/L	EPA 8260B	4/8/2005
Tert-amyl methyl ether (TAME)	< 0 50	0.50	ug/L	EPA 8260B	4/8/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/8/2005
Methanol	< 50	50	ug/L	EPA 8260B	4/8/2005
Ethanol	< 5.0	5 0	ug/L	EPA 8260B	4/8/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/8/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	4/8/2005
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	4/8/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2005
Toluene	< 0.50	0 50	ug/L	EPA 8260B	4/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2005
Total Xylenes	< 0 50	0 50	ug/L	EPA 8260B	4/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2005
Diisopropyl ether (DIPE)	< 0 50	0.50	ug/L	EPA 8260B	4/11/2005
Ethyl-t-butyl ether (ETBE)	< 0 50	0.50	ug/L	EPA 8260B	4/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2005
Tert-Butanol	< 5 0	5.0	ug/L	EPA 8260B	4/11/2005
Methanol	< 50	50	ug/L	EPA 8260B	4/11/2005
Ethanol	< 5 0	5.0	ug/L	EPA 8260B	4/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/11/2005
Toluene - d8 (Surr)	93.7		%	EPA 8260B	4/11/2005
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	4/11/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 43163

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 4/13/2005

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	795	850	ug/L	M EPA 8015	4/8/05	79.5	85.0	6.67	70-130	25
Benzene	43179-04	<0.50	39.5	39.7	44.8	45.2	ug/L	EPA 8260B	4/12/05	113	114	0.643	70-130	25
Toluene	43179-04	<0.50	39.5	39.7	42.7	43.0	ug/L	EPA 8260B	4/12/05	108	108	0.176	70-130	25
Tert-Butanol	43179-04	<5.0	198	198	212	218	ug/L	EPA 8260B	4/12/05	107	110	2.27	70-130	25
Methyl-t-Butyl Ether	43179-04	1.8	39.5	39.7	42.8	43.4	ug/L	EPA 8260B	4/12/05	104	105	1.08	70-130	25
Benzene	43166-01	<0.50	40.0	40.0	44.4	42.7	ug/L	EPA 8260B	4/8/05	111	107	3.81	70-130	25
Toluene	43166-01	<0.50	40.0	40.0	42.5	41.2	ug/L	EPA 8260B	4/8/05	106	103	3.09	70-130	25
Tert-Butanol	43166-01	<5.0	200	200	227	223	ug/L	EPA 8260B	4/8/05	114	112	1.74	70-130	25
Methyl-t-Butyl Ether	43166-01	0.99	40.0	40.0	39.1	39.1	ug/L	EPA 8260B	4/8/05	95.3	95.3	0.0143	70-130	25
Benzene	43175-05	<0.50	40.0	40.0	42.1	41.2	ug/L	EPA 8260B	4/8/05	105	103	2.19	70-130	25
Toluene	43175-05	<0.50	40.0	40.0	40.4	39.4	ug/L	EPA 8260B	4/8/05	101	98.5	2.61	70-130	25
Tert-Butanol	43175-05	1400	200	200	1580	1560	ug/L	EPA 8260B	4/8/05	108	98.2	9.32	70-130	25
Methyl-t-Butyl Ether	43175-05	8.0	40.0	40.0	44.1	44.0	ug/L	EPA 8260B	4/8/05	90.2	89.9	0.371	70-130	25
Benzene	43197-06	<0.50	40.0	40.0	40.6	39.6	ug/L	EPA 8260B	4/11/05	102	99.0	2.58	70-130	25
Toluene	43197-06	<0.50	40.0	40.0	40.0	39.0	ug/L	EPA 8260B	4/11/05	99.9	97.5	2.48	70-130	25
Tert-Butanol	43197-06	<5.0	200	200	192	194	ug/L	EPA 8260B	4/11/05	96.2	97.2	1.10	70-130	25
Methyl-t-Butyl Ether	43197-06	<0.50	40.0	40.0	41.3	40.9	ug/L	EPA 8260B	4/11/05	103	102	0.940	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 43163

QC Report : Laboratory Control Sample (LCS)

Date : 4/13/2005

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	4/12/05	111	70-130
Toluene	40.0	ug/L	EPA 8260B	4/12/05	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/12/05	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/12/05	101	70-130
Benzene	40.0	ug/L	EPA 8260B	4/8/05	109	70-130
Toluene	40.0	ug/L	EPA 8260B	4/8/05	110	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/8/05	112	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/8/05	90.3	70-130
Benzene	40.0	ug/L	EPA 8260B	4/8/05	103	70-130
Toluene	40.0	ug/L	EPA 8260B	4/8/05	98.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/8/05	95.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/8/05	85.3	70-130
Benzene	40.0	ug/L	EPA 8260B	4/11/05	95.8	70-130
Toluene	40.0	ug/L	EPA 8260B	4/11/05	97.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/11/05	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/11/05	92.7	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

43163

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) [signature]

PROJECT NAME OAKLAND TRUCKSTOP JOB NO. 3540

ADDRESS 8255 San Leandro St., Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL W/SILICA GEL CLEANUP (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)	MTBE ONLY [illegible]	TPH-G/BTEX/7 OXY'S (EPA 8260)	TPH-G/BTEX/ 5 OXY'S & HALOGENATED VOCS (EPA 8260B)	EDF	HOLD	
MW-3	4/6/05	1410	H_2O	5		X												X				01
MW-4	↓	1345	↓	↓		X												X				02
MW-5	↓	1320	↓	↓		X												X				03
MW-6	↓	1255	↓	↓		X												X				04
MW-7	↓	1230	↓	↓		X												X				05
MW-8	↓	1205	↓	↓		X												X				06
MW-9	↓	1140	↓	↓		X												X				07

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:
[signature] (signature) (time)	(signature) (time)	(signature) (time)	[signature] (signature) (time) 1208
D. ALLEN (printed name) 04.06.05 (date)	(printed name) (date)	(printed name) (date)	Mesfin Wolyohans (printed name) (date) [illegible]
Company- ASE. INC.	Company-	Company-	Company- Kiff Analytical

COMMENTS:

TURN AROUND TIME

STANDARD (circled) 24Hr 48Hr 72Hr

OTHER: