



RECEIVED

By dehloptoxic at 9:11 am, Sep 26, 2006

Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

September 20, 2006

QUARTERLY GROUNDWATER MONITORING REPORT
AUGUST 2006 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 94552

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



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

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 94552

Environmental Consulting Firm

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

Agency Review

Mr. Jerry Wickham
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 August 23, 2006 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.



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On August 23, 2006, ASE measured the depth to water in monitoring wells MW-1 through MW-7 and MW-9 using an electric water level sounder. Monitoring well MW-8 was not accessible due to a truck parked over the well. The surface of the groundwater was also checked for the presence of free-phase hydrocarbons or sheen. Monitoring well MW-1 contained approximately 2.43-feet of free-phase hydrocarbons, a significant increase from last quarter's measurement. This product was subsequently bailed from the well until only a sheen was visible. Approximately one gallon 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 August 23, 2006 sampling event is presented as Figure 2. The groundwater flow direction at the site has been inconsistent and highly variable. Groundwater flow beneath the site this quarter was generally to the north and west.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

Groundwater samples were collected from monitoring wells MW-2 through MW-7 and MW-9. Monitoring well MW-1 contained free-phase hydrocarbons and was not sampled. Monitoring well MW-8 was not sampled due to a truck being parked over the well. 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 (CA DHS ELAP #2236) 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 modified EPA Method 8015, 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.



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

4.0 CONCLUSIONS

- Monitoring well MW-1 contained approximately 2.43-feet of free-phase hydrocarbons this quarter.
- Analytical results for groundwater samples collected from monitoring wells MW-2 and MW-4 are very similar to previous results, with the exception of TBA which increased this quarter.
- Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-3 remained similar from the previous sampling except for a significant decrease in TPH-D concentrations.
- Hydrocarbon concentrations in groundwater samples collected from monitoring well MW-5 are very similar to previous results. However, there has been a decreasing trend in MTBE and increasing trend in TBA concentrations.
- There has generally been an increasing trend in hydrocarbon concentrations in monitoring well MW-6.
- Analytical results for groundwater samples collected from monitoring well MW-7 are very similar to previous results.
- There has generally been a decreasing trend in hydrocarbon concentrations in monitoring well MW-9.

Groundwater samples collected from the following monitoring wells contained concentrations of the listed compounds equal to or greater than Environmental Screening Levels (ESLs)¹:

- MW-2—TPH-G
- MW-3—TPH-G, TPH-D, benzene and MTBE
- MW-6—TPH-G, TPH-D and benzene

5.0 RECOMMENDATIONS

ASE recommends that this site remain on a quarterly sampling schedule. The next sampling is scheduled for September 2006. Free-phase hydrocarbon removal from monitoring well MW-1 will continue during the next quarter. An additional soil and groundwater assessment will also take place in September and October 2006.

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

¹ 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 February 2005



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

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.

Michael Rauser
Project Geologist

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



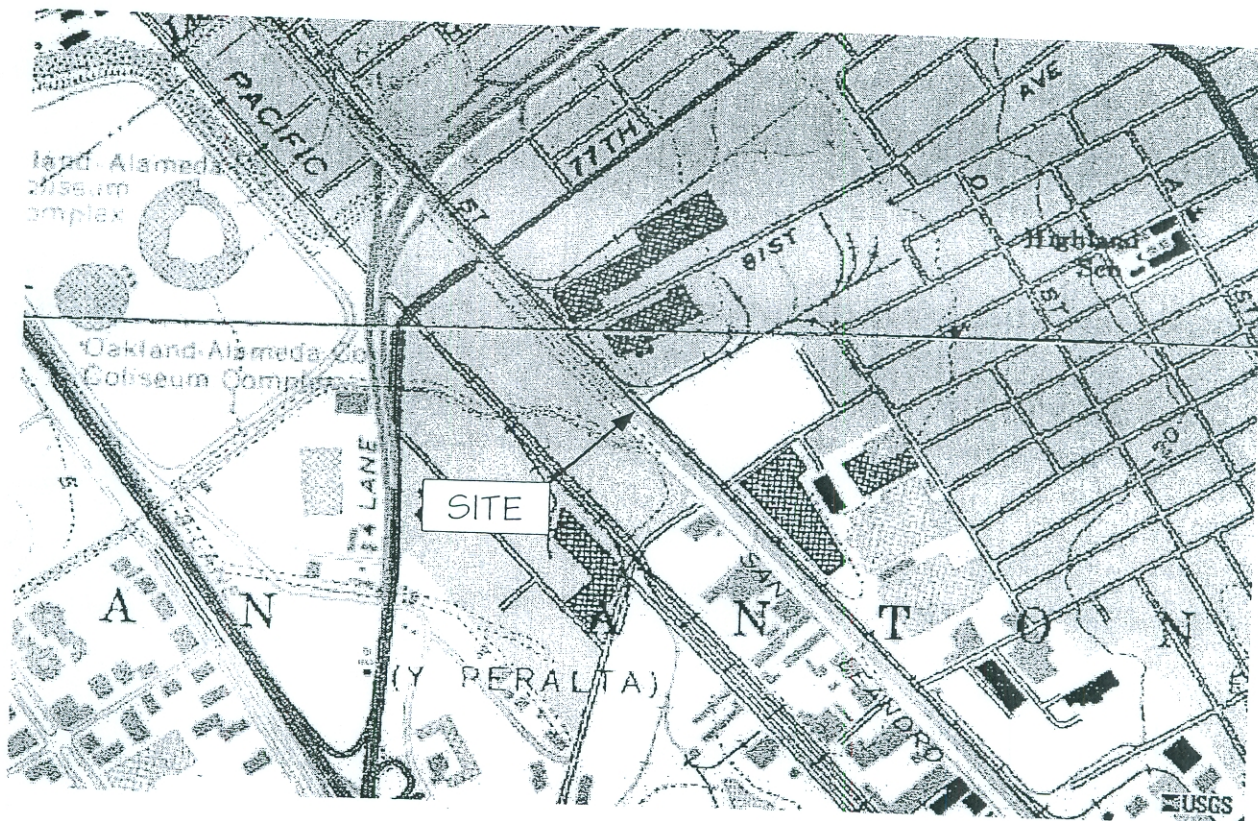
Attachments: Table One and Two
Figures 1 and 2
Appendices A and B

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



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

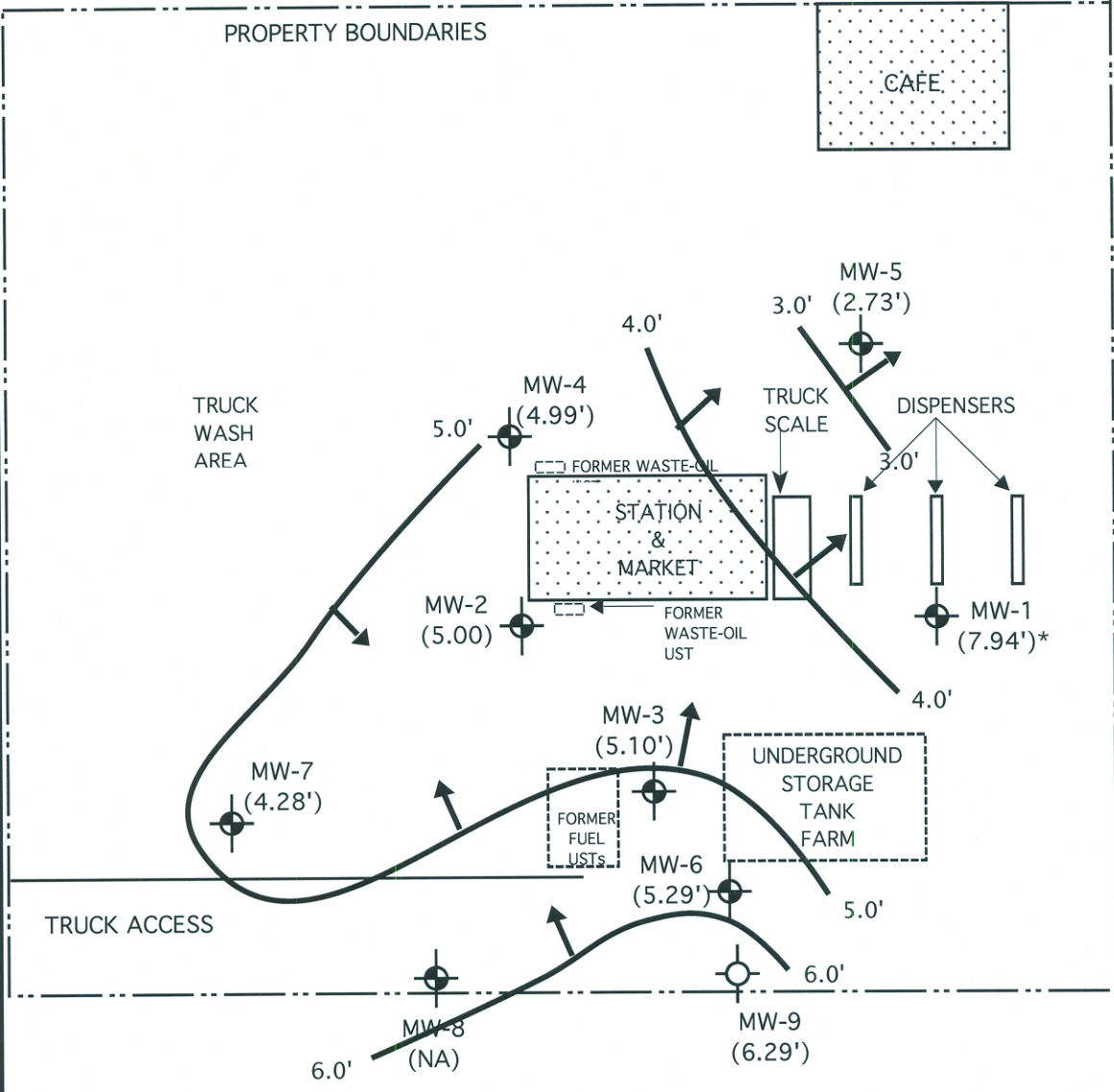
FIGURES



OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC.

Figure 1



LEGEND

*

Groundwater elevation not used for contouring



Potentiometric surface contour with arrow indicating groundwater flow direction



4-inch diameter monitoring



Monitoring well (with groundwater elevation in feet)



NORTH

SCALE
1" = 50'

POTENTIOMETRIC
SURFACE CONTOUR MAP
8/23/06

OAKLAND TRUCK STOP
8255 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS

Figure 2



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

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*
9/29/05		5.40	1.00	6.42*
12/9/05		10.70	6.13	5.22*
3/7/06		9.05	5.05	6.01
6/20/06		4.61	0.40	6.73
8/23/06		5.51	2.43	7.94*
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		
9/29/05		INACCESSIBLE DUE TO TRUCK OVER WELL		
12/9/05		5.60		5.10
3/7/06		4.25		6.45
6/20/06		5.04		5.66
8/23/06		5.70		5.00

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		10.32	5.19	--
9/4/02	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
9/29/05	5.85		--	4.47
12/9/05	5.01		--	5.31
3/7/06	3.75		--	6.57
6/20/06	4.81		--	5.51
8/23/06	5.22		--	5.10
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		10.50	5.50	--
9/4/02	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
9/29/05	5.56		--	4.94
12/9/05	5.28		--	5.22
3/7/06	4.00		--	6.50
6/20/06	5.14		--	5.36
8/23/06	5.51	--	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-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	--
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
9/29/05	5.28		--	4.92
12/9/05	5.05		--	5.15
3/7/06	3.96		--	6.24
6/20/06	4.51		--	5.69
8/23/06	7.47		--	2.73
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	--
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
9/29/05	6.00		--	4.71
12/9/05	5.17		--	5.54
3/7/06	4.55		--	6.01
6/20/06	4.96		--	5.75
8/23/06	5.42		--	5.29
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
9/29/05		4.27	--	4.90
12/9/05		4.86	--	4.31
3/7/06		2.80	--	6.37
6/20/06		3.60	--	5.57
8/23/06		4.89	--	4.28

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-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**
9/29/05		4.62	--	NA**
12/9/05		3.92	--	NA**
3/7/06		NA	--	NA**
6/20/06		3.84	--	5.84
8/23/06		NA	--	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
9/29/05		5.55	--	5.52
12/9/05		5.51	--	5.56
3/7/06		NA	--	NA
6/20/06		5.39	--	5.68
8/23/06		4.78	--	6.29

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 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				
9/29/05								Not Sampled Due to Free-Floating Hydrocarbons				
12/9/05								Not Sampled Due to Free-Floating Hydrocarbons (-feet)				
3/6/06								Not Sampled Due to Free-Floating Hydrocarbons (-feet)				
6/20/06								Not Sampled Due to Free-Floating Hydrocarbons (-feet)				
8/23/06								Not Sampled Due to Free-Floating Hydrocarbons (-feet)				
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				
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				
9/29/05								Not Sampled - Truck Parked Over Well				
12/9/04	1,000	720	NA	1.0	< 0.7	< 0.7	< 0.7	330	6.5	< 0.7	2.3	1,800
3/6/06	1,000	< 80	NA	1.2	< 0.5	0.6	< 0.5	290	5.4	< 0.5	1.9	1,600
6/20/06	1,100	< 80	NA	1.6	< 0.5	1.0	< 0.5	280	5.8	< 0.5	1.5	< 1,500
8/23/06	1,600	< 200	NA	1.5	< 0.90	< 0.90	< 0.90	290	5.5	< 0.90	1.8	2,100
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	2,300
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	2,900	< 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
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	8,900	< 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
9/29/05	28,000	1,800	NA	8,700	74	190	53	7,300	< 15	< 15	53	4,500
12/9/05	17,000	19,000	NA	5,600	40	110	30	4,400	< 15	< 15	30	2,800
3/6/06	11,000	16,000	NA	3,600	26	96	22	2,400	< 7.0	< 7.0	19	1,400
6/20/06	18,000	20,000	NA	6,900	45	130	29	5,000	9.5	< 7.0	34	2,900
8/23/06	22,000	9,500	NA	6,200	33	100	19	4,800	9.8	< 9.0	34	3,100

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
9/29/05	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	17	< 0.50	< 0.50	< 0.50	120
12/9/05	< 50	760	NA	< 0.50	< 0.50	< 0.50	< 0.50	9.5	< 0.50	< 0.50	< 0.50	94
3/6/06	< 50	470	NA	< 0.50	< 0.50	< 0.50	< 0.50	11	< 0.50	< 0.50	< 0.50	68
6/20/06	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	11	< 0.50	< 0.50	< 0.50	120
8/23/06	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	8.2	< 0.50	< 0.50	< 0.50	140
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
9/29/05	100	640	NA	< 0.50	< 0.50	< 0.50	< 0.50	77	3.7	< 0.50	< 0.50	4,000
12/9/05	99	3,700	NA	< 0.50	< 0.50	< 0.50	< 0.50	66	3.8	< 0.50	< 0.50	3,000
3/6/06	66	760	NA	< 0.50	< 0.50	< 0.50	< 0.50	42	2.9	< 0.50	< 0.50	1,600
6/20/06	84	1,300	NA	< 0.50	< 0.50	< 0.50	< 0.50	42	3.6	< 0.50	< 0.50	3,000
8/23/06	< 200	410	NA	2.1	< 2.0	< 2.0	< 2.0	37	2.8	< 2.0	< 2.0	4,800
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
6/5/03	< 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
9/29/05	4,900	2,800	NA	130	8.9	< 5.0	13	2,100	< 5.0	< 5.0	23	3,200
12/9/05	3,600	10,000	NA	110	7.1	< 5.0	7.9	2,700	< 5.0	< 5.0	22	4,200
3/6/06	3,900	900	NA	120	9.3	5.2	13	3,000	< 0.50	< 0.50	26	4,400
6/20/06	3,600	1,500	NA	140	10	5.2	18	1,600	< 3.0	< 3.0	23	3,600
8/23/06	4,300	< 800	NA	140	11	4.6	16	2,000	< 4.0	< 4.0	22	4,000

TABLE TWO
Summary of Chemical Analysis of GROUNDWATER Samples
Petroleum Hydrocarbons
All results are in parts per billion

Well ID	TPH	TPH	TPH			Ethyl	Total					
DATE	Gasoline	Diesel	Motor Oil	Benzene	Toluene	Benzene	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
9/29/05	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	12	< 0.50	< 0.50	< 0.50	< 5.0
12/9/05	< 50	120	NA	< 0.50	< 0.50	< 0.50	< 0.50	10	< 0.50	< 0.50	< 0.50	< 5.0
3/6/06	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	9	< 0.50	< 0.50	< 0.50	< 5.0
6/20/06	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	11	< 0.50	< 0.50	< 0.50	< 5.0
8/23/06	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	8.5	< 0.50	< 0.50	< 0.50	< 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
9/29/05	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	18	< 0.50	< 0.50	< 0.50	< 5.0
12/9/05	< 50	86	NA	< 0.50	< 0.50	< 0.50	< 0.50	9.7	< 0.50	< 0.50	< 0.50	< 5.0
3/6/06						Not Sampled - Truck Parked Over Well						
6/20/06	< 50	< 50	NA	< 0.50	< 0.50	< 0.50	< 0.50	6.6	< 0.50	< 0.50	< 0.50	< 5.0
8/23/06						Not Sampled - Truck Parked Over Well						
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
9/29/05	< 700	< 50	NA	< 7.0	< 7.0	< 7.0	< 7.0	34	< 7.0	< 7.0	< 7.0	13,000
12/9/05	< 400	3,200	NA	46	< 4.0	< 4.0	< 4.0	12	< 4.0	< 4.0	< 4.0	8,200
3/6/06						Not Sampled - Truck Parked Over Well						
6/20/06						Not Sampled - Truck Parked Over Well						
8/23/06	< 250	< 50	NA	9.6	< 2.5	< 2.5	< 2.5	18	< 2.5	< 2.5	< 2.5	6,000
DHS MCL	NE	NE	NE	1	150	700	1,750	13	NE	NE	NE	NE
ESL	400	500	500	46	130	290	100	1,800	NE	NE	NE	1,800

Notes:

Non-detectable concentrations are noted by the less than symbol (<) followed by the detection limit. * = Non-typical diesel pattern, hydrocarbons in early diesel range.

Most recent concentrations are in bold.

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

DHS MCL is the California Department of Health Services maximum contaminant level for drinking water. *** = Non-typical gasoline pattern.

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (February 2005)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

**** = Non-typical diesel pattern.

NE = MCL/ESL not established.

= MTBE concentration by EPA Method 8260

NA = Sample not analyzed for this compound.



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME OTS

JOB NUMBER 3540 DATE OF SAMPLING 8-23-06

WELL ID. MLR-2 SAMPLER MLR

TOTAL DEPTH OF WELL 14.6 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 5.70

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 4.9

NUMBER OF GALLONS PER WELL CASING VOLUME .81

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 2.5

EQUIPMENT USED TO PURGE WELL Bailer

TIME EVACUATION STARTED 1145 - TIME EVACUATION COMPLETED 1205

TIME SAMPLES WERE COLLECTED 1210

DID WELL GO DRY No AFTER HOW MANY GALLONS -

VOLUME OF GROUNDWATER PURGED 3.0

SAMPLING DEVICE Bailer

SAMPLE COLOR clear ODOR/SEDIMENT slight 0 / No S

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	69.2	6.77	1535
2	69.2	6.68	1518
3	69.4	6.63	1525

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MLR-2	5	VGA		HU

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME OTS

JOB NUMBER 3540 DATE OF SAMPLING 8-25-06

WELL ID. MW-3 SAMPLER MLR

TOTAL DEPTH OF WELL 15.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 5.22

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 9.78

NUMBER OF GALLONS PER WELL CASING VOLUME 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.89

EQUIPMENT USED TO PURGE WELL Bailer

TIME EVACUATION STARTED 1215 TIME EVACUATION COMPLETED 1240

TIME SAMPLES WERE COLLECTED 1245

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.0

SAMPLING DEVICE Bailer

SAMPLE COLOR clear gray ODOR/SEDIMENT slight O/shreen / no Sed.

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
<u>1</u>	<u>77.6</u>	<u>6.74</u>	<u>129</u>
<u>2</u>	<u>77.0</u>	<u>6.69</u>	<u>930</u>
<u>3</u>	<u>76.8</u>	<u>6.65</u>	<u>933</u>

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-3</u>	<u>5</u>	<u>VOA</u>		<u>HU</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME OTS

JOB NUMBER 3540 DATE OF SAMPLING 8-23-01

WELL ID. MW-4 SAMPLER MLR

TOTAL DEPTH OF WELL 14.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 5.51

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 8.49

NUMBER OF GALLONS PER WELL CASING VOLUME 1.41

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.2

EQUIPMENT USED TO PURGE WELL Bailer

TIME EVACUATION STARTED 1115 TIME EVACUATION COMPLETED 1135

TIME SAMPLES WERE COLLECTED 1140

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.0

SAMPLING DEVICE Bailer

SAMPLE COLOR clear ODOR/SEDIMENT No 0 / some brown stuff

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
MW-4 1	72.1	72.1 + 6.88	1217
2	71.6	6.92	1232
3	71.2	6.15	1251

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4	5	VdA		HU

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME OTS

JOB NUMBER 3540 DATE OF SAMPLING 8-23-06

WELL ID. MW-5 SAMPLER MLK

TOTAL DEPTH OF WELL 14.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 7.47

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 6.53

NUMBER OF GALLONS PER WELL CASING VOLUME 1.09

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 3.3

EQUIPMENT USED TO PURGE WELL Bailer

TIME EVACUATION STARTED 1050 TIME EVACUATION COMPLETED 1105

TIME SAMPLES WERE COLLECTED 1110

DID WELL GO DRY No AFTER HOW MANY GALLONS -

VOLUME OF GROUNDWATER PURGED 4.0

SAMPLING DEVICE Bailer

SAMPLE COLOR clear gray ODOR/SEDIMENT slight 0 / No Sed

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
<u>1</u>	<u>76.9</u>	<u>6.68</u>	<u>1259</u>
<u>2</u>	<u>75.6</u>	<u>6.77</u>	<u>1277</u>
<u>3</u>	<u>74.9</u>	<u>6.82</u>	<u>1289</u>

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-5</u>	<u>5</u>	<u>VQA</u>		<u>HCL</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME

OTS

JOB NUMBER

3540

DATE OF SAMPLING

8-23-06

WELL ID.

MW-6

SAMPLER

MLR

TOTAL DEPTH OF WELL

14.3

WELL DIAMETER

2

DEPTH TO WATER PRIOR TO PURGING

5.42

PRODUCT THICKNESS

0

DEPTH OF WELL CASING IN WATER

8.88

NUMBER OF GALLONS PER WELL CASING VOLUME

1.4

NUMBER OF WELL CASING VOLUMES TO BE REMOVED

?

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING

4.44

EQUIPMENT USED TO PURGE WELL

Bailer

TIME EVACUATION STARTED

1015

TIME EVACUATION COMPLETED

~~130~~ 1030

TIME SAMPLES WERE COLLECTED

1035

DID WELL GO DRY

No

AFTER HOW MANY GALLONS

—

VOLUME OF GROUNDWATER PURGED

5.0

SAMPLING DEVICE

Bailer

SAMPLE COLOR

Clear

ODOR/SEDIMENT

slight U/No

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	72.8	6.95	656
2	73.0	6.87	667
3	72.6	6.84	670

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-6	5	VOA		HL

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME OTS

JOB NUMBER 3540 DATE OF SAMPLING 8-23-06

WELL ID. MW-7 SAMPLER MLR

TOTAL DEPTH OF WELL 16.2 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 4.89

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 11.31

NUMBER OF GALLONS PER WELL CASING VOLUME 1.8

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.6

EQUIPMENT USED TO PURGE WELL Bailer

TIME EVACUATION STARTED 945 TIME EVACUATION COMPLETED 1005

TIME SAMPLES WERE COLLECTED 1010

DID WELL GO DRY No AFTER HOW MANY GALLONS -

VOLUME OF GROUNDWATER PURGED

SAMPLING DEVICE Bailer

SAMPLE COLOR clear ODOR/SEDIMENT no 0 / no 5

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
<u>1</u>	<u>67.7</u>	<u>7.14</u>	<u>1142</u>
<u>2</u>	<u>67.4</u>	<u>7.10</u>	<u>1150</u>
<u>3</u>	<u>67.2</u>	<u>7.08</u>	<u>1153</u>

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-7</u>	<u>5</u>	<u>VOA</u>		<u>HLR</u>

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME

OTS

JOB NUMBER

3540

DATE OF SAMPLING

8-23-06

WELL ID.

MW-8

SAMPLER

MLR

TOTAL DEPTH OF WELL

~~MW-8~~

WELL DIAMETER

2

DEPTH TO WATER PRIOR TO PURGING

PRODUCT THICKNESS

DEPTH OF WELL CASING IN WATER

NUMBER OF GALLONS PER WELL CASING VOLUME

NUMBER OF WELL CASING VOLUMES TO BE REMOVED

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING

EQUIPMENT USED TO PURGE WELL

TIME EVACUATION STARTED

TIME EVACUATION COMPLETED

TIME SAMPLES WERE COLLECTED

DID WELL GO DRY

AFTER HOW MANY GALLONS

VOLUME OF GROUNDWATER PURGED

SAMPLING DEVICE

SAMPLE COLOR

ODOR/SEDIMENT

CHEMICAL DATA

VOLUME PURGED

TEMPERATURE

PH

CONDUCTIVITY

SAMPLES COLLECTED

SAMPLE

OF CONTAINERS

SIZE AND TYPE OF CONTAINER

ANALYSIS

PRESERVED

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME OTS

JOB NUMBER 3540 DATE OF SAMPLING 8-23-06

WELL ID. MW-9 SAMPLER MLR

TOTAL DEPTH OF WELL 19.5 WELL DIAMETER 4

DEPTH TO WATER PRIOR TO PURGING 4.78

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 14.72

NUMBER OF GALLONS PER WELL CASING VOLUME 3

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 9.7

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 29

EQUIPMENT USED TO PURGE WELL Bailer

TIME EVACUATION STARTED 1:05 TIME EVACUATION COMPLETED 145

TIME SAMPLES WERE COLLECTED 150

DID WELL GO DRY No AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 30

SAMPLING DEVICE Bailer

SAMPLE COLOR clear ODOR/SEDIMENT No 0/No S

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
<u>10</u>	<u>72.4</u>	<u>7.20</u>	<u>123</u>
<u>20</u>	<u>68.6</u>	<u>7.11</u>	<u>958</u>
<u>30</u>	<u>68.2</u>	<u>7.08</u>	<u>984</u>

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
<u>MW-9</u>	<u>5</u>	<u>VOA</u>		<u>HCL</u>



Aqua Science Engineers, Inc. 208 West El Pintado, Suite C, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation



Report Number : 51881

Date : 9/12/2006

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

Subject : 7 Water Samples
Project Name : OTS
Project Number : 3540

Dear Mr. Rauser,

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,

A handwritten signature in black ink, appearing to read 'Joel Kiff', is written over a printed name label.

Joel Kiff

Project Name : **OTS**

Project Number : **3540**

Sample : **MW-2**

Matrix : Water

Lab Number : 51881-01

Sample Date : 8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1.5	0.90	ug/L	EPA 8260B	8/30/2006
Toluene	< 0.90	0.90	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	< 0.90	0.90	ug/L	EPA 8260B	8/29/2006
Total Xylenes	< 0.90	0.90	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	290	0.90	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	5.5	0.90	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.90	0.90	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	1.8	0.90	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	2100	5.0	ug/L	EPA 8260B	8/29/2006
Methanol	< 100	100	ug/L	EPA 8260B	8/29/2006
Ethanol	< 9.0	9.0	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	1600	90	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	99.3		% Recovery	EPA 8260B	8/29/2006
TPH as Diesel (Silica Gel)	< 200	200	ug/L	M EPA 8015	8/31/2006
Octacosane (Diesel Silica Gel Surr)	94.4		% Recovery	M EPA 8015	8/31/2006

Approved By:

Joel Kiff



Project Name : **OTS**

Project Number : **3540**

Sample : **MW-3**

Matrix : Water

Lab Number : 51881-02

Sample Date : 8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	6200	20	ug/L	EPA 8260B	8/30/2006
Toluene	33	9.0	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	100	9.0	ug/L	EPA 8260B	8/29/2006
Total Xylenes	19	9.0	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	4800	9.0	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	9.8	9.0	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 9.0	9.0	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	34	9.0	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	3100	50	ug/L	EPA 8260B	8/29/2006
Methanol	< 2000	2000	ug/L	EPA 8260B	8/30/2006
Ethanol	< 90	90	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	22000	900	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	8/29/2006
TPH as Diesel (Silica Gel)	9500	50	ug/L	M EPA 8015	8/31/2006
Octacosane (Diesel Silica Gel Surr)	94.2		% Recovery	M EPA 8015	8/31/2006

Approved By:

Joel Kiff

Project Name : **OTS**

Project Number : **3540**

Sample : **MW-4**

Matrix : Water

Lab Number : 51881-03

Sample Date : 8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	8.2	0.50	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	140	5.0	ug/L	EPA 8260B	8/29/2006
Methanol	< 50	50	ug/L	EPA 8260B	8/29/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	8/29/2006
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	8/31/2006
Octacosane (Diesel Silica Gel Surr)	93.0		% Recovery	M EPA 8015	8/31/2006

Approved By:

Joel Kiff

Project Name : **OTS**

Project Number : **3540**

Sample : **MW-5**

Matrix : Water

Lab Number : 51881-04

Sample Date : 8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	2.1	2.0	ug/L	EPA 8260B	8/29/2006
Toluene	< 2.0	2.0	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	< 2.0	2.0	ug/L	EPA 8260B	8/29/2006
Total Xylenes	< 2.0	2.0	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	37	2.0	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	2.8	2.0	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	4800	9.0	ug/L	EPA 8260B	8/29/2006
Methanol	< 200	200	ug/L	EPA 8260B	8/29/2006
Ethanol	< 20	20	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	< 200	200	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	8/29/2006
TPH as Diesel (Silica Gel)	410	50	ug/L	M EPA 8015	8/31/2006
Octacosane (Diesel Silica Gel Surr)	88.0		% Recovery	M EPA 8015	8/31/2006

Approved By:

Joel Kiff

Project Name : **OTS**

Project Number : **3540**

Sample : **MW-6**

Matrix : Water

Lab Number : 51881-05

Sample Date :8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	140	4.0	ug/L	EPA 8260B	8/29/2006
Toluene	11	4.0	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	4.6	4.0	ug/L	EPA 8260B	8/29/2006
Total Xylenes	16	4.0	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	2000	4.0	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	< 4.0	4.0	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 4.0	4.0	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	22	4.0	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	4000	20	ug/L	EPA 8260B	8/29/2006
Methanol	< 600	600	ug/L	EPA 8260B	8/29/2006
Ethanol	< 40	40	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	4300	400	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	8/29/2006
TPH as Diesel (Silica Gel)	< 800	800	ug/L	M EPA 8015	9/12/2006
Octacosane (Diesel Silica Gel Surr)	77.6		% Recovery	M EPA 8015	9/12/2006

Approved By:

Joel Kiff

Project Name : **OTS**

Project Number : **3540**

Sample : **MW-7**

Matrix : Water

Lab Number : 51881-06

Sample Date :8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Methyl-t-butyl ether (MTBE)	8.5	0.50	ug/L	EPA 8260B	8/30/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/30/2006
Methanol	< 50	50	ug/L	EPA 8260B	8/30/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	8/30/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/30/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	8/30/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	8/30/2006
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	9/1/2006
Octacosane (Diesel Silica Gel Surr)	91.4		% Recovery	M EPA 8015	9/1/2006

Approved By:

Joel Kiff

Project Name : **OTS**

Project Number : **3540**

Sample : **MW-9**

Matrix : Water

Lab Number : 51881-07

Sample Date : 8/23/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	9.6	2.5	ug/L	EPA 8260B	8/30/2006
Toluene	< 2.5	2.5	ug/L	EPA 8260B	8/30/2006
Ethylbenzene	< 2.5	2.5	ug/L	EPA 8260B	8/30/2006
Total Xylenes	< 2.5	2.5	ug/L	EPA 8260B	8/30/2006
Methyl-t-butyl ether (MTBE)	18	2.5	ug/L	EPA 8260B	8/30/2006
Diisopropyl ether (DIPE)	< 2.5	2.5	ug/L	EPA 8260B	8/30/2006
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	ug/L	EPA 8260B	8/30/2006
Tert-amyl methyl ether (TAME)	< 2.5	2.5	ug/L	EPA 8260B	8/30/2006
Tert-Butanol	6000	15	ug/L	EPA 8260B	8/30/2006
Methanol	< 250	250	ug/L	EPA 8260B	8/30/2006
Ethanol	< 25	25	ug/L	EPA 8260B	8/30/2006
TPH as Gasoline	< 250	250	ug/L	EPA 8260B	8/30/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	8/30/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	8/30/2006
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	9/1/2006
Octacosane (Diesel Silica Gel Surr)	94.4		% Recovery	M EPA 8015	9/1/2006

Approved By:

Joel Kiff

Report Number : 51881

Date : 9/12/2006

QC Report : Method Blank DataProject Name : **OTS**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	8/31/2006
Octacosane (Diesel Silica Gel Surr)	92.8		%	M EPA 8015	8/31/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/28/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/28/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	8/28/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/28/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	8/28/2006
4-Bromofluorobenzene (Surr)	93.9		%	EPA 8260B	8/28/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/29/2006
Methanol	< 50	50	ug/L	EPA 8260B	8/29/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	99.1		%	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	94.4		%	EPA 8260B	8/29/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/29/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/29/2006
Methanol	< 50	50	ug/L	EPA 8260B	8/29/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	8/29/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/29/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	8/29/2006
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	8/29/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/30/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/30/2006
Methanol	< 50	50	ug/L	EPA 8260B	8/30/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	8/30/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/30/2006
Toluene - d8 (Surr)	99.9		%	EPA 8260B	8/30/2006
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	8/30/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 51881

Date : 9/12/2006

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **OTS**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
Benzene	51877-01	<0.50	40.0	40.0	40.9	39.0	ug/L	EPA 8260B	8/28/06	102	97.6	4.61	70-130	25
Toluene	51877-01	<0.50	40.0	40.0	41.2	39.0	ug/L	EPA 8260B	8/28/06	103	97.5	5.38	70-130	25
Tert-Butanol	51877-01	<5.0	200	200	186	183	ug/L	EPA 8260B	8/28/06	93.0	91.3	1.79	70-130	25
Methyl-t-Butyl Ether	51877-01	<0.50	40.0	40.0	35.2	34.2	ug/L	EPA 8260B	8/28/06	87.9	85.4	2.86	70-130	25
Benzene	51877-07	<0.50	40.0	40.0	43.4	42.2	ug/L	EPA 8260B	8/29/06	109	106	2.79	70-130	25
Toluene	51877-07	<0.50	40.0	40.0	43.2	41.8	ug/L	EPA 8260B	8/29/06	108	104	3.35	70-130	25
Tert-Butanol	51877-07	<5.0	200	200	199	198	ug/L	EPA 8260B	8/29/06	99.5	99.2	0.310	70-130	25
Methyl-t-Butyl Ether	51877-07	<0.50	40.0	40.0	36.9	36.2	ug/L	EPA 8260B	8/29/06	92.3	90.4	2.14	70-130	25
Benzene	51887-04	1.0	40.0	40.0	40.6	40.4	ug/L	EPA 8260B	8/29/06	98.8	98.4	0.379	70-130	25
Toluene	51887-04	<0.50	40.0	40.0	40.0	39.6	ug/L	EPA 8260B	8/29/06	99.9	99.0	0.873	70-130	25
Tert-Butanol	51887-04	15	200	200	209	216	ug/L	EPA 8260B	8/29/06	97.0	101	3.75	70-130	25
Methyl-t-Butyl Ether	51887-04	35	40.0	40.0	73.8	74.6	ug/L	EPA 8260B	8/29/06	96.6	98.5	1.92	70-130	25
Benzene	51909-01	<0.50	40.0	40.0	39.4	40.3	ug/L	EPA 8260B	8/30/06	98.6	101	2.16	70-130	25
Toluene	51909-01	<0.50	40.0	40.0	40.6	39.3	ug/L	EPA 8260B	8/30/06	101	98.4	3.09	70-130	25
Tert-Butanol	51909-01	<5.0	200	200	196	194	ug/L	EPA 8260B	8/30/06	97.8	97.0	0.808	70-130	25
Methyl-t-Butyl Ether	51909-01	<0.50	40.0	40.0	35.2	37.3	ug/L	EPA 8260B	8/30/06	88.0	93.2	5.73	70-130	25
TPH as Diesel	Blank	<50	1000	1000	847	739	ug/L	M EPA 8015	8/31/06	84.7	73.9	13.6	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

Project Name : **OTS**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	8/28/06	89.1	70-130
Toluene	40.0	ug/L	EPA 8260B	8/28/06	92.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/28/06	86.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/28/06	79.1	70-130
Benzene	40.0	ug/L	EPA 8260B	8/29/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	8/29/06	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/29/06	96.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/29/06	92.3	70-130
Benzene	40.0	ug/L	EPA 8260B	8/29/06	100	70-130
Toluene	40.0	ug/L	EPA 8260B	8/29/06	97.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/29/06	97.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/29/06	90.8	70-130
Benzene	40.0	ug/L	EPA 8260B	8/30/06	98.0	70-130
Toluene	40.0	ug/L	EPA 8260B	8/30/06	98.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/30/06	96.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/30/06	94.8	70-130

KIFF ANALYTICAL, LLC

Approved By:

Joe Kiff



Report Number : 51881

Date : 9/12/2006

Subject : 7 Water Samples
Project Name : OTS
Project Number : 3540

Case Narrative

The Method Reporting Limit for Methanol has been increased due to the presence of an interfering compound for samples MW-2 and MW-6.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-2 and MW-6.

Approved By: _____

Joe Kiff

51881

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

OTS

JOB NO.

3

ADDRESS

8255 San Leandro, Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTRE & BTEX (EPA 5030, 8015, 8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520)	LIIFT 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 / MTRE (EPA 8260) BTEX	Pb (TOTAL or DISSOLVED) (EPA 6010)	PURGEABLE HALOCARBONS (EPA 601/8010)	MULTI-RANGE HYDROCARBONS	SILICA-GEL CLEANUP	HOLD	EDF
MW-2	8-23-06	1210	W	5		X									X				X		01
MW-3		1245				X									X				X		02
MW-4		1140				X									X				X		03
MW-5		1110				X									X				X		04
MW-6		1635				X									X				X		05
MW-7		1610				X									X				X		06
MW-9		150				X									X				X		07

SAMPLE RECEIPT

Temp °C 22 Therm. ID# 345
Initial John Date 082806
Time 1400 Coolant present Yes/No

RELINQUISHED BY:

1700
(signature) (time)

RECEIVED BY:

(signature) (time)

RELINQUISHED BY:

(signature) (time)

RECEIVED BY LABORATORY:

1116
(signature) (time)

D. ALLEN

(printed name) (date)

(printed name) (date)

(printed name) (date)

(printed name) (date)

Company-ASE, INC.

Company-

Company-

Company-

Kitt Analytical

COMMENTS:

400 VHS

TURN AROUND TIME

STANDARD 24Hr 48Hr 72Hr

OTHER: