



2511 Garden Road, Bldg C, Suite 250
Monterey, CA 93940
www.atcassociates.com
(831) 657-1050
Fax (831) 657-1040

Rev 157 ✓

December 20, 2004

Transmitted via e-mail

Mr. Barney Chan
Alameda County Environmental Health Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: Former Hertz Rent A Car
Groundwater Sample Results
One Airport Drive, Oakland, California
ATC Project No. 75.75015.0001

Dear Mr. Chan:

I am forwarding you the results of additional groundwater samples collected at the subject site located at One Airport Drive in Oakland, California (**Figure 1**, attached). The eight ground water monitoring wells at the site were sampled, in accordance with your email request dated October 18, 2004, to verify the results of the previous treatment activity and demonstrate plume stability. All groundwater samples were analyzed for TPHg, BTEX and MTBE. As requested, the groundwater samples from wells MW-2 and MW-6 were also analyzed for the oxygenates, TAME, ETBE, DIPE, TBA, and the lead scavengers EDB and EDC.

The groundwater samples were collected on October 28 and 29, 2004. The depths to water, as well as the depth of each monitoring well were recorded prior to sampling. The measurements are provided in Table 1 below, and copies of the field sampling data sheets are attached.

Based on the reported top of casing elevations for the eight monitoring wells, as well as the measured depths to water collected prior to the recent sampling event, the groundwater flow direction beneath the area is calculated as flowing towards the southwest with a varying gradient (see attached **Figure 2**). The water table elevation for MW-5 appears to be anomalous to the area, and thus was omitted from the groundwater flow direction and gradient calculation.

A total of eight wells were sampled on October 28 and 29, 2004 including MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, MW-8 and MW-9. Ground water monitoring well MW-4 was destroyed during the over excavation work conducted in May 2002. Three well casing volumes were purged from each well prior to sample collection. Groundwater samples were collected from each well using disposable polyethylene bailers.

Groundwater samples from each modified well were analyzed for total petroleum hydrocarbon compounds in the gasoline range (TPH-g) using United States Environmental Protection Agency (EPA) Method 8015; ethylbenzene, xylenes (BTEX compounds) using EPA Method 8021B; and fuel oxygenates including methyl tertiary butyl ether (MTBE) using EPA Method 8260B. The sample results are presented in Table 2 below, and copies of the analytical laboratory data sheets are attached.

TPH-g, benzene, toluene, ethylbenzene and total xylenes were not detected in any of the wells. The only compound reported above the method detection limit concentration was MTBE and TBA. It was detected in well MW-6, which are located within 30 feet of the former dispenser island area. This area under went active remediation in May 2002. Monitoring well MW-2, which is located immediately downgradient of the former 10,000-gallon gasoline underground storage tank (UST) was reported as non-detect for all target analytes.

In conclusion, the only target compounds present in groundwater are MTBE and TBA. They were detected in monitoring well MW-6, which is located within 30-feet of the former fuel dispenser islands, the known source of the release. The absence of MTBE in the other monitoring wells indicates that the impact to groundwater is localized around this immediate area. Furthermore, the highest reported MTBE concentration of 140 $\mu\text{g/l}$ is below the risk-based screening level for MTBE (1,800 $\mu\text{g/l}$), if groundwater is not a current or potential drinking water source (as presented in the San Francisco Bay Regional Water Quality Control Board's guidance document entitled "Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater", dated December 2001).

Based on the results the recent groundwater sampling event, ATC recommends this site be considered for case closure. To expedite closure, a complete case closure report for your review will follow under separate cover.

If you have any questions concerning the recent groundwater sampling event, please give me a call at (831) 657-1050

Sincerely,

ATC Associates Inc.



Alfred R. Diaz, RG
Project Manager

Roland Costanzo, The Hertz Corporation

Attachments

TABLES

Table 1
Depth to Water Data

Well Location	Date	*TOC Elevation	**Depth to Water (ft)	**Well Casing Depth (ft bgs)	Groundwater Elevation
MW-1	4/24/02	7.45	3.53	14.97	3.92
	9/30/02	7.45	4.39	14.97	3.06
	10/29/04	7.45	3.16	14.97	4.29
MW-2	4/24/02	8.09	2.89	14.35	5.20
	9/30/02	8.09	3.61	14.35	4.48
	10/28/04	8.09	2.93	14.35	5.16
MW-3	4/24/02	7.66	3.27	14.60	4.39
	9/30/02	7.66	4.08	14.60	3.58
	10/28/04	7.66	3.11	14.60	3.98
MW-4	4/24/02	7.11	3.68	10.10	3.43
	5/02	Well Destroyed			
MW-5	4/24/02	7.76	3.40	11.10	4.36
	9/30/02	7.76	4.28	11.10	3.48
	10/28/04	7.76	2.69	11.10	5.07
MW-6	4/24/02	7.17	3.84	10.71	3.33
	9/30/02	7.17	4.75	10.71	2.42
	10/29/04	7.17	3.49	10.71	3.68
MW-7	4/24/02	6.93	4.00	9.85	2.93
	9/30/02	6.93	4.85	9.85	2.08
	10/28/04	6.93	3.94	9.85	2.99
MW-8	4/24/02	6.75	4.21	11.28	2.54
	9/30/02	6.75	5.15	11.28	1.60
	10/28/04	6.75	4.11	11.28	2.64
MW-9	4/24/02	6.55	4.45	10.46	2.10
	10/29/04	6.55	3.46	10.46	3.09

* Top of casing elevations obtained from Clearwater Group Inc., Groundwater Sampling Report.

** Measurement taken from top of casing.

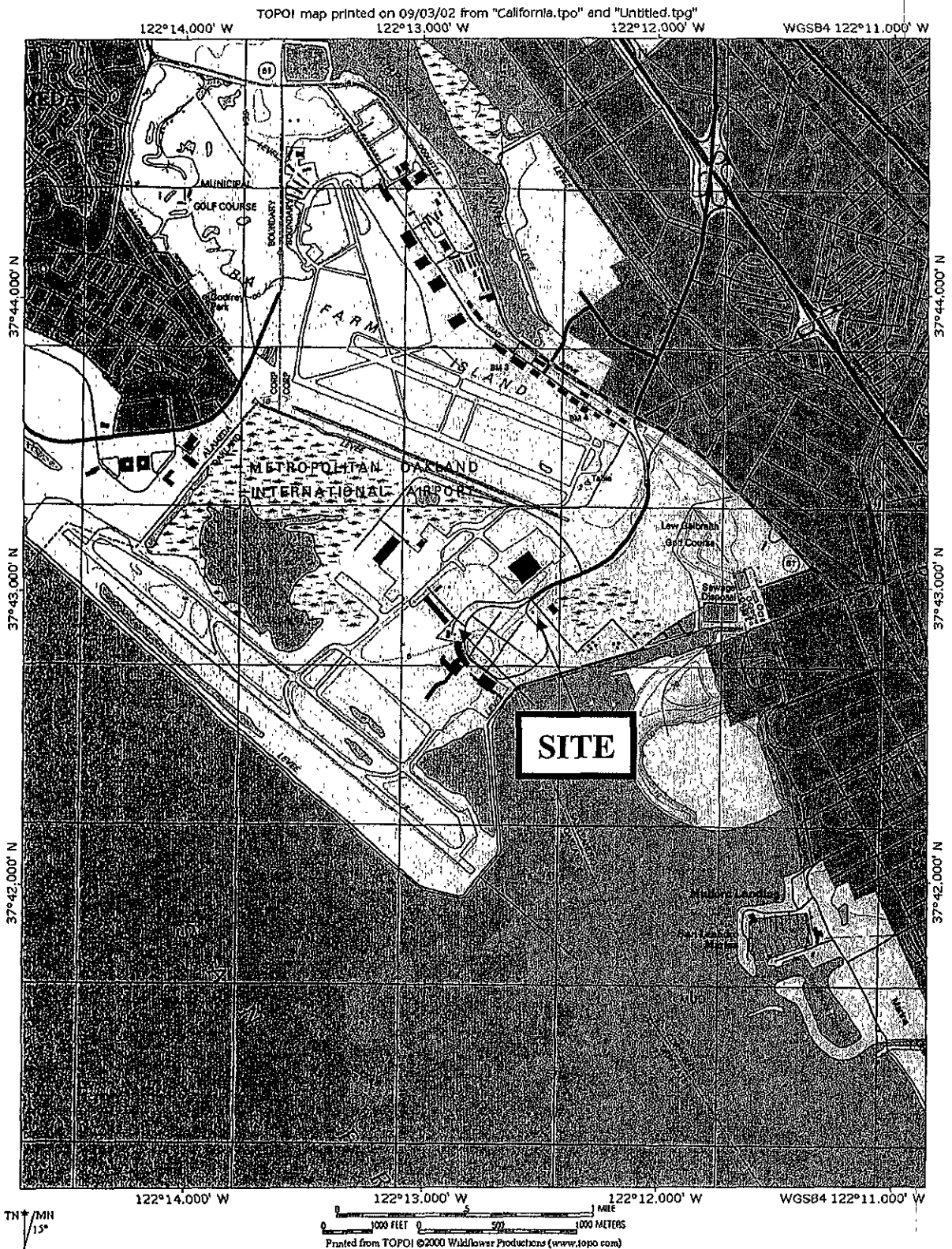
Table 2
Analytical Laboratory results

Well Location	Analytical Laboratory Results (µg/l)						
	Date	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW-1	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	30
	10/29/04	<25	<0.5	<0.5	<0.5	<1.0	<1.0
MW-2	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	10/28/04	<25	<0.05	<0.05	<0.05	<1.0	<1.0
MW-3	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	10/28/04	<25	<0.05	<0.05	<0.05	<1.0	2.1
MW-4	4/24/02	9,800	1,400	240	640	770	420
	5/02	Well Destroyed					
MW-5	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	10/28/04	<25	<0.5	<0.5	<0.5	<1.0	<1.0
MW-6	4/24/02	<50	<1.0	<1.0	<1.0	<1.0	34
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	330
	10/28/04	110*	<1.0	<1.0	<1.0	<2.0	140
MW-7	4/24/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	10/28/04	<25	<0.5	<0.5	<0.5	<1.0	<1.0
MW-8	4/24/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	10/28/04	<25	<0.05	<0.05	<0.05	<1.0	<1.0
MW-9	4/24/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	9/30/02	Well Obstructed					
	10/29/04	<25	<0.5	<0.5	<0.5	<1.0	<1.0

Bold type indicates compound reported above method detection limit concentration.

*Reported TPH as Gasoline value is the result of high concentration of MTBE within the TPH as Gasoline range.

Well Location	Analytical Laboratory Results (µg/l)						
	Date	TAME	ETBE	DIPE	TBA	EDB	EDC
MW-2	10/29/04	<5	<5	<5	<10	<0.5	<0.5
MW-6	10/28/04	<10	<10	<10	44	<0.5	<0.5



6602 Owens Drive, 100
Pleasanton, CA 94588
(925) 460-5300

PROJECT NO: 75.75015.0001

DESIGNED BY: DAK

SCALE: NTS

REVIEWED BY: NES

DRAWN BY: DAK

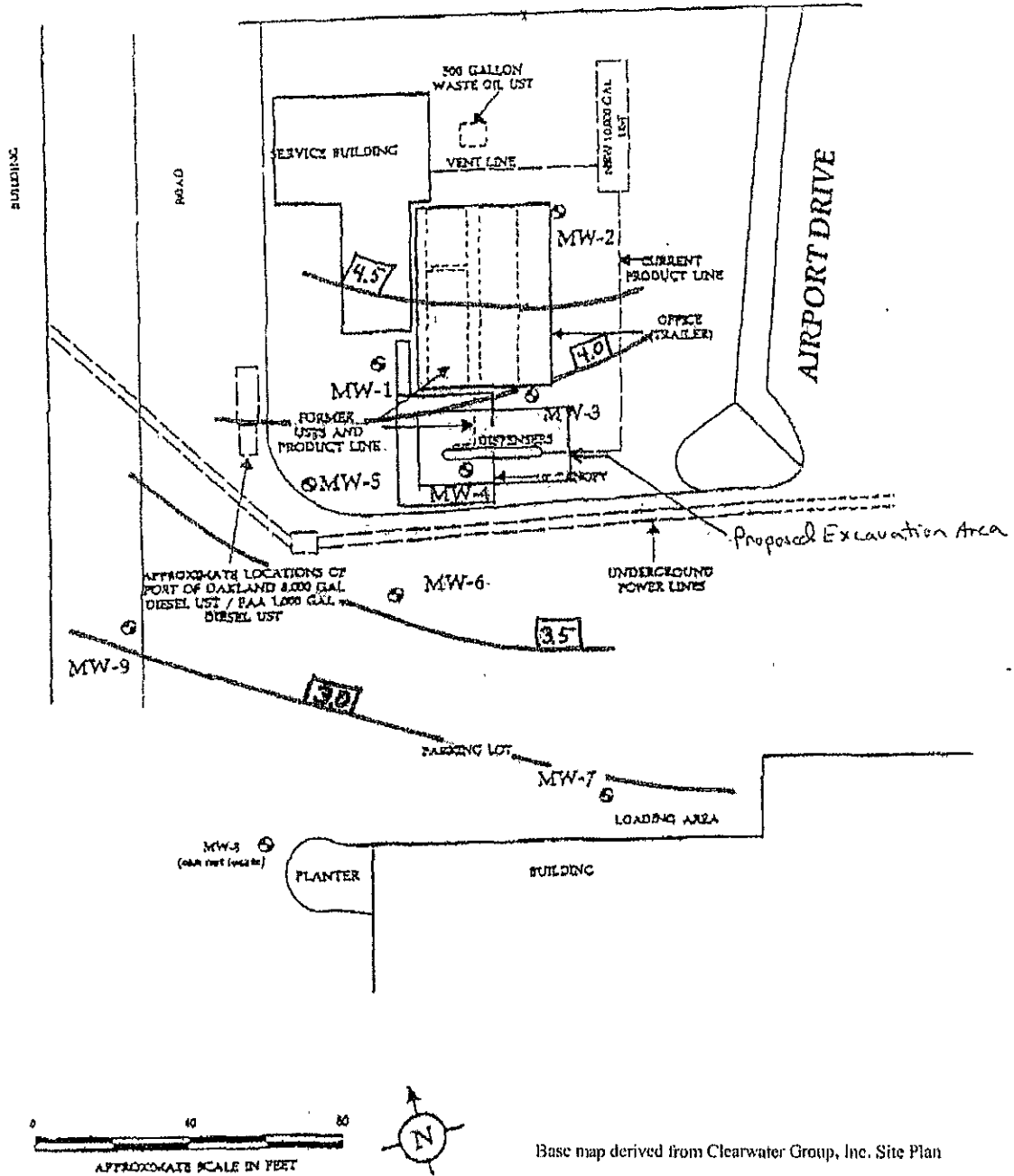
DATE: 09/02

FILE: MAP (REVISED)

FIGURE 1
SITE VICINITY MAP

FORMER HERTZ SERVICE CENTER
ONE AIRPORT DRIVE
OAKLAND, CALIFORNIA

ALAN SHEPARD WAY



Base map derived from Clearwater Group, Inc. Site Plan



6602 Owens Drive, 100
Pleasanton, CA 94588
(925) 460-5300

PROJECT NO: 75.75015.0001

DESIGNED BY: DEM	SCALE: UNK	REVIEWED BY: JAL
DRAWN BY: JL	DATE: 09/02	FILE: MAP (REVISED)

FIGURE 2
SITE MAP

Former Hertz Rental Car Facility

One Airport Drive
OAKLAND, CALIFORNIA

ANALYTICAL LABORATORY DATA SHEETS

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Fred Diaz

Certificate ID: 41075 - 11/15/2004 9:33:02 AM

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940

Order: 41075
Project Name: Former Hertz Service Center
Project Number: 55.75015

Date Collected: 10/28/2004
Date Received: 10/29/2004
P.O. Number: 04-55-0072

Certificate of Analysis - Revision

Note: This is a revision of the original 11/2/2004 issue to include additional analytes.

On October 29, 2004, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum TPH as Gasoline - GC/MS	EPA 8260B GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-001 Sample ID: MW-7

Matrix: Liquid Sample Date: 10/28/2004 1:50 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.2	75 - 125
Dibromofluoromethane	106	75 - 125
Toluene-d8	99.1	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	105	75 - 125
Toluene-d8	100	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-002 Sample ID: MW-8

Matrix: Liquid Sample Date: 10/28/200 3:10 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	90.9	75 - 125
Dibromofluoromethane	108	75 - 125
Toluene-d8	99.4	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.7	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	101	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

11/15/2004 9:29:25 AM - Iglantz

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
 2511 Garden Road, Building C, Suite 250
 Monterey, CA 93940
 Attn: Fred Diaz

Project Number: 55.75015
 Project Name: Former Hertz Service Center
 Date Received: 10/29/2004
 P.O. Number: 04-55-0072
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-003 Sample ID: MW-5

Matrix: Liquid Sample Date: 10/28/2004 4:35 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	90.1	75 - 125
Dibromofluoromethane	108	75 - 125
Toluene-d8	99.5	75 - 125

Analyzed by: Xbian
 Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.9	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	101	75 - 125

Analyzed by: Xbian
 Reviewed by: MTU

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-004 Sample ID: MW-3

Matrix: Liquid Sample Date: 10/28/200 5:35 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	2.1		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.8	75 - 125
Dibromofluoromethane	110	75 - 125
Toluene-d8	101	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.5	75 - 125
Dibromofluoromethane	109	75 - 125
Toluene-d8	102	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

11/15/2004 9:29 27 AM - lghnu2

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-005 Sample ID: MW-2

Matrix: Liquid Sample Date: 10/28/2004 6:30 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
tert-Butyl Methyl Ether	ND		1	5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl-t-butyl Ether	ND		1	5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	10/29/2004	WMS1041029
Diisopropyl Ether	ND		1	5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.1	75 - 125
Dibromofluoromethane	112	75 - 125
Toluene-d8	100	75 - 125

Analyzed by: Xbian
Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.8	75 - 125
Dibromofluoromethane	111	75 - 125
Toluene-d8	101	75 - 125

Analyzed by: Xbian
Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

11/15/2004 9:29:29 AM - lglhntz

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-006 Sample ID: MW-9

Matrix: Liquid Sample Date: 10/29/2004 9:45 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.8	75 - 125
Dibromofluoromethane	114	75 - 125
Toluene-d8	98.7	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.6	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	100	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

11/15/2004 9:29:30 AM - lghntz

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-007 Sample ID: MW-1

Matrix: Liquid Sample Date: 10/29/2004 10:43 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate Surrogate Recovery Control Limits (%)

4-Bromofluorobenzene	90.7	75 - 125
Dibromofluoromethane	114	75 - 125
Toluene-d8	100	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	10/29/2004	WMS1041029

Surrogate Surrogate Recovery Control Limits (%)

4-Bromofluorobenzene	99.6	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	102	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

11/15/2004 9:29 32 AM - jglamiz

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

ATC Associates, Inc. - Monterey
2511 Garden Road, Building C, Suite 250
Monterey, CA 93940
Attn: Fred Diaz

Project Number: 55.75015
Project Name: Former Hertz Service Center
Date Received: 10/29/2004
P.O. Number: 04-55-0072
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41075-008 Sample ID: MW-6

Matrix: Liquid Sample Date: 10/29/2004 11:35 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		2	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Toluene	ND		2	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl Benzene	ND		2	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
Xylenes, Total	ND		2	2	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dibromoethane (EDB)	ND		2	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
1,2-Dichloroethane	ND		2	1	µg/L	N/A	N/A	10/29/2004	WMS1041029
tert-Amyl Methyl Ether	ND		2	10	µg/L	N/A	N/A	10/29/2004	WMS1041029
Ethyl-t-butyl Ether	ND		2	10	µg/L	N/A	N/A	10/29/2004	WMS1041029
Methyl-t-butyl Ether	140		2	2	µg/L	N/A	N/A	10/29/2004	WMS1041029
tert-Butanol (TBA)	44		2	20	µg/L	N/A	N/A	10/29/2004	WMS1041029
Diisopropyl Ether	ND		2	10	µg/L	N/A	N/A	10/29/2004	WMS1041029
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Xbian	
4-Bromofluorobenzene	89.7		75 - 125					Reviewed by: MTU	
Dibromofluoromethane	113		75 - 125						
Toluene-d8	101		75 - 125						

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	110		2	50	µg/L	N/A	N/A	10/29/2004	WMS1041029
Note: Reported TPH as Gasoline value is the result of high concentration of MTBE within the TPH as Gasoline quantitation range.									
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Xbian	
4-Bromofluorobenzene	98.5		75 - 125					Reviewed by: MTU	
Dibromofluoromethane	112		75 - 125						
Toluene-d8	102		75 - 125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

11/15/2004 9:29:33 AM - lg/hntz

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

Validated by: MTU - 11/01/04

QC Batch ID: WMS1041029

Analysis Date: 10/29/2004

Method Blank	Method: EPA 8260B	Result	DF	PQLR	Units
Parameter					
1,1,1,2-Tetrachloroethane		ND	1	0.5	µg/L
1,1,1-Trichloroethane		ND	1	0.5	µg/L
1,1,2,2-Tetrachloroethane		ND	1	0.5	µg/L
1,1,2-Trichloroethane		ND	1	0.5	µg/L
1,1-Dichloroethane		ND	1	0.5	µg/L
1,1-Dichloroethene		ND	1	0.5	µg/L
1,1-Dichloropropene		ND	1	0.5	µg/L
1,2,3-Trichlorobenzene		ND	1	5	µg/L
1,2,3-Trichloropropane		ND	1	0.5	µg/L
1,2,4-Trichlorobenzene		ND	1	5	µg/L
1,2,4-Trimethylbenzene		ND	1	5	µg/L
1,2-Dibromo-3-Chloropropane		ND	1	5	µg/L
1,2-Dibromoethane (EDB)		ND	1	0.5	µg/L
1,2-Dichlorobenzene		ND	1	0.5	µg/L
1,2-Dichloroethane		ND	1	0.5	µg/L
1,2-Dichloropropane		ND	1	0.5	µg/L
1,3,5-Trimethylbenzene		ND	1	5	µg/L
1,3-Dichlorobenzene		ND	1	0.5	µg/L
1,3-Dichloropropane		ND	1	0.5	µg/L
1,4-Dichlorobenzene		ND	1	0.5	µg/L
1,4-Dioxane		ND	1	50	µg/L
2,2-Dichloropropane		ND	1	0.5	µg/L
2-Butanone (MEK)		ND	1	20	µg/L
2-Chloroethyl-vinyl Ether		ND	1	5	µg/L
2-Chlorotoluene		ND	1	5	µg/L
2-Hexanone		ND	1	20	µg/L
4-Chlorotoluene		ND	1	5	µg/L
4-Methyl-2-Pentanone(MIBK)		ND	1	20	µg/L
Acetone		ND	1	20	µg/L
Acetonitrile		ND	1	5	µg/L
Acrolein		ND	1	5	µg/L
Acrylonitrile		ND	1	5	µg/L
Benzene		ND	1	0.5	µg/L
Benzyl Chloride		ND	1	5	µg/L
Bromobenzene		ND	1	0.5	µg/L
Bromochloromethane		ND	1	0.5	µg/L
Bromodichloromethane		ND	1	0.5	µg/L
Bromoform		ND	1	0.5	µg/L
Bromomethane		ND	1	0.5	µg/L
Carbon Disulfide		ND	1	0.5	µg/L
Carbon Tetrachloride		ND	1	0.5	µg/L
Chlorobenzene		ND	1	0.5	µg/L
Chloroethane		ND	1	0.5	µg/L
Chloroform		ND	1	0.5	µg/L
Chloromethane		ND	1	0.5	µg/L

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

Validated by: MTU - 11/01/04

QC Batch ID: WMS1041029

Analysis Date: 10/29/2004

Method Blank	Method: EPA 8260B	Result	DF	PQLR	Units
Parameter		ND	1	0.5	µg/L
cis-1,2-Dichloroethene		ND	1	0.5	µg/L
cis-1,3-Dichloropropene		ND	1	20	µg/L
Cyclohexanone		ND	1	0.5	µg/L
Dibromochloromethane		ND	1	0.5	µg/L
Dibromomethane		ND	1	0.5	µg/L
Dichlorodifluoromethane		ND	1	5	µg/L
Diisopropyl Ether		ND	1	0.5	µg/L
Ethyl Benzene		ND	1	1	µg/L
Freon 113		ND	1	5	µg/L
Hexachlorobutadiene		ND	1	1	µg/L
Iodomethane		ND	1	20	µg/L
Isopropanol		ND	1	1	µg/L
Isopropylbenzene		ND	1	1	µg/L
Methyl-t-butyl Ether		ND	1	5	µg/L
Methylene Chloride		5.1	1	5	µg/L
n-Butylbenzene		ND	1	5	µg/L
n-Propylbenzene		ND	1	5	µg/L
Naphthalene		ND	1	5	µg/L
p-Isopropyltoluene		ND	1	0.5	µg/L
Pentachloroethane		ND	1	5	µg/L
sec-Butylbenzene		ND	1	0.5	µg/L
Styrene		ND	1	5	µg/L
tert-Amyl Methyl Ether		ND	1	10	µg/L
tert-Butanol (TBA)		ND	1	5	µg/L
tert-Butyl Ethyl Ether		ND	1	5	µg/L
tert-Butylbenzene		ND	1	0.5	µg/L
Tetrachloroethene		ND	1	20	µg/L
Tetrahydrofuran		ND	1	0.5	µg/L
Toluene		ND	1	0.5	µg/L
trans-1,2-Dichloroethene		ND	1	0.5	µg/L
trans-1,3-Dichloropropene		ND	1	1	µg/L
trans-1,4-Dichloro-2-butene		ND	1	0.5	µg/L
Trichloroethene		ND	1	0.5	µg/L
Trichlorofluoromethane		ND	1	5	µg/L
Vinyl Acetate		ND	1	0.5	µg/L
Vinyl Chloride		ND	1	1	µg/L
Xylene, m+p		ND	1	0.5	µg/L
Xylene, o		ND	1	1	µg/L
Xylenes, Total		ND	1	1	µg/L
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	89.9	75 - 125			
Dibromofluoromethane	99.2	75 - 125			
Toluene-d8	98.5	75 - 125			

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: MTU - 11/01/04

QC Batch ID: WMS1041029

Analysis Date: 10/29/2004

LCS	Method: EPA 8260B	Conc. Units: µg/L								
		Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits
		1,1-Dichloroethene	<0.2	20.0	21.2	LCS	10/29/2004	106		80 - 120
		Benzene	<0.2	20.0	20.4	LCS	10/29/2004	102		80 - 120
		Chlorobenzene	<0.2	20.0	20.1	LCS	10/29/2004	101		80 - 120
		Methyl-t-butyl Ether	<0.3	20.0	19.0	LCS	10/29/2004	95.0		80 - 120
		Toluene	<0.2	20.0	20.2	LCS	10/29/2004	101		80 - 120
		Trichloroethene	<0.2	20.0	19.7	LCS	10/29/2004	98.5		80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	87.8	75 - 125
Dibromofluoromethane	99.9	75 - 125
Toluene-d8	96.6	75 - 125

LCSD	Method: EPA 8260B	Conc. Units: µg/L									
		Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
		1,1-Dichloroethene	<0.2	20.0	20.8	LCSD	10/29/2004	104	1.9	25	80 - 120
		Benzene	<0.2	20.0	20.2	LCSD	10/29/2004	101	1.0	25	80 - 120
		Chlorobenzene	<0.2	20.0	19.1	LCSD	10/29/2004	95.5	5.1	25	80 - 120
		Methyl-t-butyl Ether	<0.3	20.0	20.3	LCSD	10/29/2004	102	6.6	25	80 - 120
		Toluene	<0.2	20.0	19.0	LCSD	10/29/2004	95.0	6.1	25	80 - 120
		Trichloroethene	<0.2	20.0	19.1	LCSD	10/29/2004	95.5	3.1	25	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	90.2	75 - 125
Dibromofluoromethane	104	75 - 125
Toluene-d8	93.2	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

Validated by: MTU - 11/01/04

QC Batch ID: WMS1041029

Analysis Date: 10/29/2004

Method Blank	Method: GC-MS		Result	DF	PQLR	Units
Parameter			ND	1	25	µg/L
TPH as Gasoline						
Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	98.6	75 - 125				
Dibromofluoromethane	98.3	75 - 125				
Toluene-d8	99.9	75 - 125				

Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: MTU - 11/01/04

QC Batch ID: WMS1041029

Analysis Date: 10/29/2004

LCS	Method: GC-MS		Conc. Units: µg/L						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6.45	125	147	LCS	10/29/2004	117			65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.4	75 - 125
Dibromofluoromethane	98	75 - 125
Toluene-d8	102	75 - 125

LCSD	Method: GC-MS		Conc. Units: µg/L						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6.45	125	147	LCSD	10/29/2004	118	0.4	25	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.3	75 - 125
Dibromofluoromethane	99.5	75 - 125
Toluene-d8	103	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: Fred Diaz	Phone No.: 831-657-1050	Purchase Order No.: 04-55-0072	Invoice to: (If Different) Inez Ferguson	Phone: 831-657-1050
Company Name: ATC Associates	Fax No.: 831-657-1040	Project No.: 55-75015	Company: ATC Associates	Quote No.:
Mailing Address: 2511 Garden Rd, Bldg. C, Suite 250	Email Address: diaz55@atc-enviro.com	Project Name: Former Hertz Service Center	Billing Address: (If Different)	
City: Monterey	State: CA	Zip Code: 93940	Project Location: 1 Airport Dr., Oakland	City: State: Zip:

Sampler:	Field Org. Code:	Turn Around Time		Matrix	No. of Containers	GC/MS Methods		GC Methods		General Chemistry		Remarks											
		<input type="checkbox"/> Same Day	<input type="checkbox"/> 1 Day			<input type="checkbox"/> 2 Day	<input type="checkbox"/> 3 Day	<input type="checkbox"/> 4 Day	<input type="checkbox"/> 5 Day	<input checked="" type="checkbox"/> 10 Day	EPA 8260B		BTEX	S Oxygenates (MTBE)	Lead Scavengers (TBA, ETBA, DIPE, TAME)	Base/Neutral/Acid Organics	TPH Extractable: Diesel	Motor Oil	Other	TPH as Gas/BTEX	PCBs	Methanol by 8015M	TPH, BTEX, MTBE, G, 8260, EBB, EDC, TAME, ETBE, DIPE, TBA
Bronwyn																							
MW-7	41075-001	10-28-04	1:50pm	W	3																		
MW-8	002	10-28-04	3:10pm	W	3																		
MW-5	003	10-28-04	4:35pm	W	3																		
MW-3	004	10-28-04	5:35pm	W	3																		
MW-2	005	10-28-04	6:30pm	W	3																		
MW-9	006	10-29-04	9:45am	W	3																		
MW-1	007	10-29-04	10:43am	W	3																		
MW-6	008	10-29-04	11:35am	W	3																		

Relinquished by: [Signature]	Received by: [Signature]	Date: 10/29/04	Time: 1310
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments

Metals: **will call w/ Global ID**

EDD Report
 EDF Report
 PDF
 EDF

Plating
 LUFT-5
 RCRA-8
 PPM-13
 CAM-17



MONITORING WELL PURGING AND SAMPLING LOG

10-29-04

Well No.: MW-1

Project Name: **Former Hertz Rental** Project No.: **SS.75015.0001 T-1**
 Project Address / City / County: **One Airport Dr. Oakland**

PURGING & SAMPLING INFORMATION & METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: **3-stage bucket (wash, tap rinse, DI rinse)**
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Teflon Bailer _____ Disposable Bailer _____ Other: _____

BORHHOLE & CASING MULTIPLIER INFORMATION

Borehole Diameter (Circle): 8" 10" 12" Casing Diameter (Circle): **2"** 4" 6" 12" 18" 24"
 Borehole Multiplier (BM)(gallons/root): 0.81 1.5 1.95 Casing Multiplier (CM)(gallons/root): **0.16** 0.65 1.47 5.87 13.2 23.5

MEASUREMENTS & PURGING ACCUMULATIONS

Depth to Free Product (feet): **0** Borehole Volumes (BV): _____
 Depth to Water (DTW)(feet): **3.16ft** WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
 Total Well Depth (feet): **14.97** Casing Volumes (CV): _____
 Water Column (WC)(feet): **11.81** WC **11.81** x CM **0.16** = **1.8896** (CV)(gal) x 3.0 CV (gal): **5.6688**
 Free Product Thickness (feet): **0** Free Product Purged (gallons): _____

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (in or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time		10:10am						
		0	68.7	7.44	608	303	-	No
		2	70.4	7.68	681	341	-	↓
		4	70.6	7.85	731	364	-	↓
		6	71.6	7.78	801	399	-	↓
		Total Gallons Purged 6 gallons						
Purging End Time		10:25am						

SAMPLING DATA

Time Sampled: **10:43am** Depth to Water @ Sample Time (DTWs): **3.30ft**
 Container Types, Volumes, & Quantities: **2 x 40 mL VOAs** Filtered (yes/no): **N** Sample Preservatives: **Ice and HCl** Analytical Parameters (cross-out all NOT applicable): **TPH / BTEX / MTBE / OXYs**

WELL RECOVERY DATA

Maximum Drawdown (DTW_m) (feet): **4.12 ft** Approximate Flow Rate (GPM): _____
 % Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)} \times 100$ Recovery Calculation: % Recovery = 1 $\left(\frac{\quad}{\quad} \right) \times 100$
 Recovery Type: Fast Slow **Need 3.352** % Recovery = _____

PERSONNEL

ATC Representative(s): **Bronwyn Feikert**
 Subcontractor: _____

Signature: Date: **10/29/04**



MONITORING WELL PURGING AND SAMPLING LOG

Well No.: MW-9

Project Name: Former Hertz Rental Project No.: SS.75015.000 T-1
 Project Address / City / County: 1 Airport Drive, Oakland

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: 2-stage bucket (wash, tap rinse, DI rinse)
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Teflon Bailer _____ Disposable Bailer _____ Other: _____

BORHOLE & WELL CASING VOLUMES

Borehole Diameter (Circle):	8" 10" 12"	Casing Diameter (Circle):	2" 4" 6" 12" 18" 24"
Borehole Multiplier (BM)(gallons/root):	0.81 1.5 1.95	Casing Multiplier (CM)(gallons/root):	0.16 0.65 1.47 5.87 13.2 23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): <u>0</u>	Borehole Volumes (BV):
Depth to Water (DTW)(feet): <u>3.46</u>	WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
Total Well Depth (feet): <u>10.46</u>	Casing Volumes (CV):
Water Column (WC)(feet): <u>7.0</u>	WC <u>7.0</u> x CM <u>0.16</u> = <u>1.12</u> (CV)(gal) x 3.0 CV (gal): <u>3.36</u>
Free Product Thickness (feet): <u>0</u>	Free Product Purged (gallons): _____

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time <u>9:15 am</u>						ppm		
		0	67.5	7.52	500	251		No
		1.2	68.4	7.55	502	253		↓
		2.4	69.3	7.56	501	250		↓
		3.6	70.6	7.56	506	253		↓
		Total Gallons Purged <u>3.6</u>						
Purging End Time <u>9:30 am</u>								

ANALYTICAL DATA

Time Sampled: 9:45 am Depth to Water @ Sample Time (DTWs): 3.78 ft

Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
x 40 mL VOAS	N	Ice and HCl	TPH / BTEX / MTBE / OXYs

WELL RECOVERY DATA

Maximum Drawdown (DTW_m) (feet): 5.4 Approximate Flow Rate (GPM): ~~3.78~~

% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)} \times 100$
 Recovery Calculation: % Recovery = 1 $\left(\frac{\quad}{\quad} \right) \times 100$

Recovery Type: Fast Slow 100% 3.85 (80%) % Recovery = _____

ATC Representative(s): Bronwyn Feikof
 Subcontractor: _____

Signature: [Signature] Date: 10/27



MONITORING WELL PURGING AND SAMPLING LOG

Well No: MW-8

Project Name: Former Hertz Rental Project No.: 55.75015.0001 T-1
 Project Address / City / County: 1 Airport Drive, Oakland

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Fellon Bailer _____ Disposable Bailer _____ Other: _____

BOREHOLE & CASING VOLUME INFORMATION

Borehole Diameter (Circle): 8" 10" 12" Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"
 Borehole Multiplier (BM)(gallons/root): 0.81 1.5 1.95 Casing Multiplier (CM)(gallons/root): 0.16 0.65 1.47 5.87 13.2 23.5

MONITORING MEASUREMENTS **PURGING CALCULATIONS**

Depth to Free Product (feet): 0 Borehole Volumes (BV): _____
 Depth to Water (DTW)(feet): 4.11 WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
 Total Well Depth (feet): 11.28 Casing Volumes (CV): _____
 Water Column (WC)(feet): 7.17 WC 7.17 x CM 0.16 = 1.1472 (CV)(gal) x 3.0 CV (gal): 3.446
 Free Product Thickness (feet): 0 Free Product Purged (gallons): _____

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time <u>2:35 pm</u>						ppm		
		<u>0</u>	<u>71.6</u>	<u>7.42</u>	<u>746</u>	<u>376</u>	-	NO
		<u>1.2</u>	<u>72.1</u>	<u>7.36</u>	<u>969</u>	<u>481</u>	-	↓
		<u>2.4</u>	<u>72.5</u>	<u>7.35</u>	<u>968</u>	<u>487</u>	-	↓
		<u>3.6</u>	<u>73.2</u>	<u>7.43</u>	<u>967</u>	<u>486</u>	-	↓
		Total Gallons Purged <u>3.6</u>						
Purging End Time <u>2:50 pm</u>								

MONITORING DATA

Time Sampled: 3:10 pm Depth to Water @ Sample Time (DTWs): 4.18 ft
 Container Types, Volumes, & Quantities: x 40 mL VOAs Filtered (yes/no): N Sample Preservatives: Ice and HCl Analytical Parameters (cross-out all NOT applicable): TPHq / BTEX / MTBE / OXYs

WELL RECOVERY DATA

Maximum Drawdown (DTW_m)(feet): 4.72 ft Approximate Flow Rate (GPM): _____
 % Recovery = $1 - \frac{(DTW - DTW_s)}{(DTW - DTW_m)} \times 100$ Recovery Calculation: % Recovery = $1 - \left(\frac{\quad}{\quad} \right) \times 100$
 Recovery Type: Fast Slow 4.232 (80%) % Recovery = _____

CLIENT INFORMATION

ATC Representative(s): Bronwyn Feilert
 Subcontractor: _____

Signature: [Signature] Date: 10/28/04



MONITORING WELL PURGING AND SAMPLING LOG

Well No. MW-7

Project Name: Former Hertz Rental Project No.: 55.75015.0001 T-1
 Project Address / City / County: 1 Airport Drive, Oakland

PURGING & SAMPLING INSTRUMENTATION/METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Fellon Bailer _____ Disposable Bailer _____ Other: _____

BOREHOLE & CASING VOLUME INFORMATION

Borehole Diameter (Circle):	8" 10" 12"	Casing Diameter (Circle):	2" 4" 6" 12" 18" 24"
Borehole Multiplier (BM)(gallons/foot):	0.81 1.5 1.95	Casing Multiplier (CM)(gallons/foot):	0.16 0.65 1.47 5.87 13.2 23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): 0
 Depth to Water (DTW)(feet): 3.94
 Total Well Depth (feet): 9.85
 Water Column (WC)(feet): 5.91
 Free Product Thickness (feet): 0

PURGING CALCULATION

Borehole Volumes (BV):
 WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
 Casing Volumes (CV):
 WC 5.91 x CM 0.16 = 0.9456 (CV)(gal) x 3.0 CV (gal): 2.84
 Free Product Purged (gallons): _____

ANALYTIC DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time		<u>1:22pm</u>						
		<u>0</u>	<u>69.9</u>	<u>7.12</u>	<u>735</u>	<u>352</u>	<u>-</u>	<u>Ng</u>
		<u>1.0</u>	<u>68.5</u>	<u>7.03</u>	<u>684</u>	<u>346</u>	<u>-</u>	
		<u>2.0</u>	<u>68.4</u>	<u>7.03</u>	<u>720</u>	<u>359</u>	<u>-</u>	
		<u>3.0</u>	<u>67.7</u>	<u>7.11</u>	<u>756</u>	<u>376</u>	<u>-</u>	<u>✓</u>
		Total Gallons Purged <u>3.0</u>						
Purging End Time		<u>1:37pm</u>						

ANALYTICAL DATA

Time Sampled: 1:50pm Depth to Water @ Sample Time (DTWs): 4.0 ft

Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
<u>x 40 mL VOAS</u>	<u>N</u>	<u>Ice and HCl</u>	<u>TFHQ / BTEX / MTBE / OXYs</u>

WELL RECOVERY DATA

Maximum Drawdown (DTW_m)(feet): 4.26 ft Approximate Flow Rate (GPM): _____

% Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100
 Recovery Calculation: % Recovery = 1 $\left(\frac{\quad - \quad}{\quad - \quad} \right)$ x 100

Recovery Type: Fast Slow 4.19 (80%) % Recovery = _____

FIELD PERSONNEL

ATC Representative(s): Bronwyn Feilker
 Subcontractor: _____

Signature: Date: 10/28/04



MONITORING WELL PURGING AND SAMPLING LOG

Well No. MW-6

Project Name: Former Hertz Rental Project No.: 55.75015.0001 T-1
 Project Address / City / County: 1 Airport Drive Oakland

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: 2-stage bucket (wash, tap rinse, DI rinse)
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Teflon Bailer _____ Disposable Bailer _____ Other: _____

BOREHOLE & WELL CASING VOLUME INFORMATION

Borehole Diameter (Circle): 8" 10" 12" Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"
 Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95 Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47 5.87 13.2 23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): 0 Borehole Volumes (BV): _____
 Depth to Water (DTW)(feet): 3.49 WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
 Total Well Depth (feet): 10.71 Casing Volumes (CV): _____
 Water Column (WC)(feet): 7.22 WC 7.22 x CM 0.16 = 1.1552 (CV)(gal) x 3.0 CV (gal): 3.4656
 Free Product Thickness (feet): 0 Free Product Purged (gallons): _____

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time <u>11:05am</u>								
		<u>0</u>	<u>71.2</u>	<u>7.27</u>	<u>891</u>	<u>458</u>	<u>-</u>	<u>yes</u>
		<u>1.2</u>	<u>71.8</u>	<u>7.24</u>	<u>1052</u>	<u>529</u>	<u>-</u>	<u>liquid</u>
		<u>2.4</u>	<u>72.2</u>	<u>72.8</u>	<u>1104</u>	<u>557</u>	<u>-</u>	
		<u>3.6</u>	<u>72.4</u>	<u>72.8</u>	<u>1114</u>	<u>557</u>	<u>-</u>	
		Total Gallons Purged <u>3.6</u>						
Purging End Time <u>11:20am</u>								

SAMPLING DATA

Time Sampled: 11:35am Depth to Water @ Sample Time (DTWs): 3.52 ft
 Container Types, Volumes, & Quantities: 2 x 40 mL VOAs Filtered (yes/no): N Sample Preservatives: Ice and HCl Analytical Parameters (cross-out all NOT applicable): TPHg / BTEX / MTBE / OXYS

WELL RECOVERY

Maximum Drawdown (DTW_m)(feet): 4.0 ft Approximate Flow Rate (GPM): _____
 % Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100 Recovery Calculation: % Recovery = 1 $\left(\frac{\quad}{\quad} \right)$ x 100
 Recovery Type: Fast Slow Need 3.592 (80%) % Recovery = _____

CONTACT INFORMATION

ATC Representative(s): Bronwyn Feilker
 Subcontractor: _____

Signature: [Signature] Date: 10-29-04



MONITORING WELL PURGING AND SAMPLING LOG

Well No. **MW-5**

Project Name: **Former Hertz Rental** Project No.: **55.75015.0001 T-1**
 Project Address / City / County: **1 Airport Drive Oakland**

PURGING & SAMPLING INSURANCE INFORMATION & METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: **3-stage bucket (wash, tap rinse, DI rinse)**
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Teflon Bailer _____ Disposable Bailer _____ Other: _____

BOREHOLE & CASING DIMENSIONS & MULTIPLIERS

Borehole Diameter (Circle): **8" 10" 12"** Casing Diameter (Circle): **2" 4" 6" 12" 18" 24"**
 Borehole Multiplier (BM)(gallons/root): **0.81 1.5 1.95** Casing Multiplier (CM)(gallons/root): **0.16 0.65 1.47 5.87 13.2 23.5**

MONITORING MEASUREMENTS

Depth to Free Product (feet): **0** Borehole Volumes (BV): _____
 Depth to Water (DTW)(feet): **2.69** WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
 Total Well Depth (feet): **11.10** Casing Volumes (CV): _____
 Water Column (WC)(feet): **8.41** WC **8.41** x CM **0.16** = **1.3456** (CV)(gal) x 3.0 CV (gal): **4.07**
 Free Product Thickness (feet): **0** Free Product Purged (gallons): _____

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time 4:00 pm						ppm		
		0	69.7	7.53	384	192		No
		1.5	69.7	7.50	375	187		↓
		3.0	69.7	7.52	378	188		↓
		4.5	69.7	7.62	370	184		↓
		Total Gallons Purged 4.5						
Purging End Time 4:15 pm								

ANALYTICAL INFORMATION

Time Sampled: **4:35 pm** Depth to Water @ Sample Time (DTWs): **2.77 ft**
 Container Types, Volumes, & Quantities: **x 40 mL VOAs** Filtered (yes/no): **N** Sample Preservatives: **Ice and HCl** Analytical Parameters (cross-out all NOT applicable): **TPHg / BTEX / MTBE / OXYs**

RECOVERY INFORMATION

Maximum Drawdown (DTW_m) (feet): **7.51 ft** Approximate Flow Rate (GPM): _____
 % Recovery = 1 - $\frac{(DTW - DTW_s)}{(DTW - DTW_m)}$ x 100 Recovery Calculation: % Recovery = 1 $\left(\frac{\quad}{\quad} \right)$ x 100
 Recovery Type: Fast Slow % Recovery = _____

ADDITIONAL INFORMATION

ATC Representative(s): **Bronwyn Feikert**
 Subcontractor: _____

Signature: **BF** Date: **10/28/04**



MONITORING WELL PURGING AND SAMPLING LOG

Well No **MW-3**

Project Name: **Former Hertz Rental**

Project No.: ~~55.75015.0001 T-1~~ **55.75015.0001 T-1**

Project Address / City / County: **7 Airport Drive**

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID):	Interface Probe (Model/ID):
Water Quality Meter (Model/ID):	Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)
Purging Method: <input checked="" type="checkbox"/> PVC Bailor <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Submersible Pump <input type="checkbox"/> Other:	
Sampling Method: <input checked="" type="checkbox"/> Teflon Bailor <input type="checkbox"/> Disposable Bailor <input type="checkbox"/> Other:	

BOREHOLE & CASING VOLUME INFORMATION

Borehole Diameter (Circle):	8" 10" 12"	Casing Diameter (Circle):	2" 4" 6" 12" 18" 24"
Borehole Multiplier (BM)(gallons/root):	0.81 1.5 1.95	Casing Multiplier (CM)(gallons/root):	0.16 0.65 1.47 5.87 13.2 23.5

MONITORING MEASUREMENTS

PURGING & VOLUME DATA

Depth to Free Product (feet): 0	Borehole Volumes (BV):
Depth to Water (DTW)(feet): 3.11	WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal):
Total Well Depth (feet): 14.60	Casing Volumes (CV):
Water Column (WC)(feet): 11.49	WC 11.49 x CM 0.16 = 1.8384 (CV)(gal) x 3.0 CV (gal): 5.5152
Free Product Thickness (feet): 0	Free Product Purged (gallons):

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time 4:45 pm								
		0	68.8	7.22	1745	955		NO
		1.8	69.6	7.26	2137	1068		↓
		3.6	70.5	7.28	2121	1050		
		5.6	69.2	7.35	2132	1062		
		Total Gallons Purged 5.6						
Purging End Time 5:05 pm								

Time Sampled: 5:28 pm	Depth to Water @ Sample Time (DTWs): 3.15 ft		
Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
x 40 mL VOAs	N	Ice and HCl	TPHg / BTEX / MTBE / OXYS

Maximum Drawdown (DTWm) (feet):	Approximate Flow Rate (GPM):
% Recovery = $1 - \frac{(DTW - DTW_s)}{(DTW - DTW_m)} \times 100$	Recovery Calculation: % Recovery = $1 - \left(\frac{\quad}{\quad} \right) \times 100$
Recovery Type: <input type="checkbox"/> Fast <input type="checkbox"/> Slow	% Recovery = _____

ATC Representative(s): **Bronya Feiloff**

Subcontractor:

Signature:

Date: **10/28/04**



MONITORING WELL PURGING AND SAMPLING LOG

10-28-04
Well No.: MW-2

Project Name: Former Hertz Rental
Project No.: 55.75015.0001 T-1
Project Address / City / County: 1 Airport Dr., Oakland

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): _____ Interface Probe (Model/ID): _____
 Water Quality Meter (Model/ID): _____ Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)
 Purging Method: PVC Bailer _____ Vacuum Truck _____ Submersible Pump _____ Other: _____
 Sampling Method: Teflon Bailer _____ Disposable Bailer _____ Other: _____

BOREHOLE & WELL CASING DIMENSIONS & VOLUMES

Borehole Diameter (Circle): 8" 10" 12" Casing Diameter (Circle): 2" 4" 6" 12" 18" 24"
 Borehole Multiplier (BM)(gallons/foot): 0.81 1.5 1.95 Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47 5.87 13.2 23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): 0 Borehole Volumes (BV): _____
 Depth to Water (DTW)(feet): 2.93 WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____
 Total Well Depth (feet): 14.35 Casing Volumes (CV): _____
 Water Column (WC)(feet): 11.42 WC 11.42 x CM 0.16 = 1.827 (CV)(gal) x 3.0 CV (gal): 5.48
 Free Product Thickness (feet): 0 Free Product Purged (gallons): _____

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Odor (Yes/No)
Purging Start Time		5:40 pm						
		0	64.1	7.38	942	471		No
		1.8	64.0	7.39	835	414		
		3.6	65.1	7.47	860	427		
		5.5	64.4	7.53	903	445		
		Total Gallons Purged		5.5				
Purging End Time		5:53 pm						

Time Sampled: 6:30 pm Depth to Water @ Sample Time (DTWs): 2.96 ft

Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
x 40 mL VOAs	N	Ice and HCl	TPHG / BTEX / MTBE / OXYS

WELL RECOVERY

Maximum Drawdown (DTW_m) (feet): _____ Approximate Flow Rate (GPM): _____
 $\% \text{ Recovery} = 1 - \frac{(DTW - DTW_s)}{(DTW - DTW_m)} \times 100$
 Recovery Calculation: $\% \text{ Recovery} = 1 \left(\frac{\quad}{\quad} \right) \times 100$
 Recovery Type: _____ Fast _____ Slow
 $\% \text{ Recovery} = \quad$

ATC Representative(s): Bronwyn Feilker
 Subcontractor: _____

Signature: Date: 10/28/04