ATC ASSOCIATES INC.

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R0157

March 5, 2003

TRANSMITTED VIA EMAIL

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

RE: Groundwater Sample Results for One Airport Drive, Oakland, California
ATC Project No. 75.75015.0001

Dear Mr. Chan:

ATC Associates Inc. (ATC) is pleased to provide you the results of the groundwater samples collected at the above referenced site. The site is located at One Airport Drive in Oakland California and was the location of a former Hertz Car Rental Facility. The previous site layout and monitoring well locations are shown in ***Figure 1***. Prior to groundwater sampling, the depths to water, as well as the depth of each monitoring well were recorded. The measurements are provided in ***Table 1*** below, and copies of the field sampling data sheets are attached. Using the data collected from this monitoring event, the groundwater flow was calculated as flowing towards the southwest (***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.

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
MW-2	4/24/02	8.09	2.89	14.35	5.20
	9/30/02	8.09	3.61	14.35	4.48
MW-3	4/24/02	7.66	3.27	14.60	4.39
	9/30/02	7.66	4.08	14.60	3.58
MW-4	4/24/02	7.11	3.68	10.10	3.43
MW-5	4/24/02	7.76	3.40	11.10	4.36
	9/30/02	7.76	4.28	11.10	3.48
MW-6	4/24/02	7.17	3.84	10.71	3.33
	9/30/02	7.17	4.75	10.71	2.42
MW-7	4/24/02	6.93	4.00	9.85	2.93
	9/30/02	6.93	4.85	9.85	2.08
MW-8	4/24/02	6.75	4.21	11.28	2.54
	9/30/02	6.75	5.15	11.28	1.60
MW-9	4/24/02	6.55	4.45	10.46	2.10

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

Prior to collecting samples, at least three well casing volumes of groundwater were purged from each well using disposable polyethylene bailers. Groundwater samples were collected from seven wells (MW-4 was destroyed during the over excavation work conducted in May 2002 and MW-9 was not accessible).

The groundwater samples were analyzed for total petroleum hydrocarbon compounds in the gasoline range (TPH-g) using United States Environmental Protection Agency (EPA) Method 8015 Modified; 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.

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**
MW-2	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
MW-3	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
MW-4	4/24/02	**9,800**	**1,400**	**240**	**640**	**770**	**420**
	9/30/02	Well Destroyed					
MW-5	4/24/02	Not Sampled					
	9/30/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
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**
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
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
MW-9	4/24/02	<50	<1.0	<1.0	<1.0	<1.0	<5.0
	9/30/02	Well Obstructed					

Bold type indicates compound reported above method detection limit concentration.

TPH-g, benzene, toluene, ethylbenzene and total xylenes were not detected in any of the samples. MTBE was detected in samples collected from monitoring well MW-1 (30 µg/l) and MW-6 (330 µg/l). However, these concentrations were below the risk based screening level (1,800 µg/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).

In conclusion, the only target compound present in groundwater is MTBE, which is below the risk based screening levels. Based on the results the recent groundwater sampling event, ATC recommends this site be considered for case closure.

If you have any questions concerning the recent groundwater sampling event, please give me a call at (925) 460-5300.

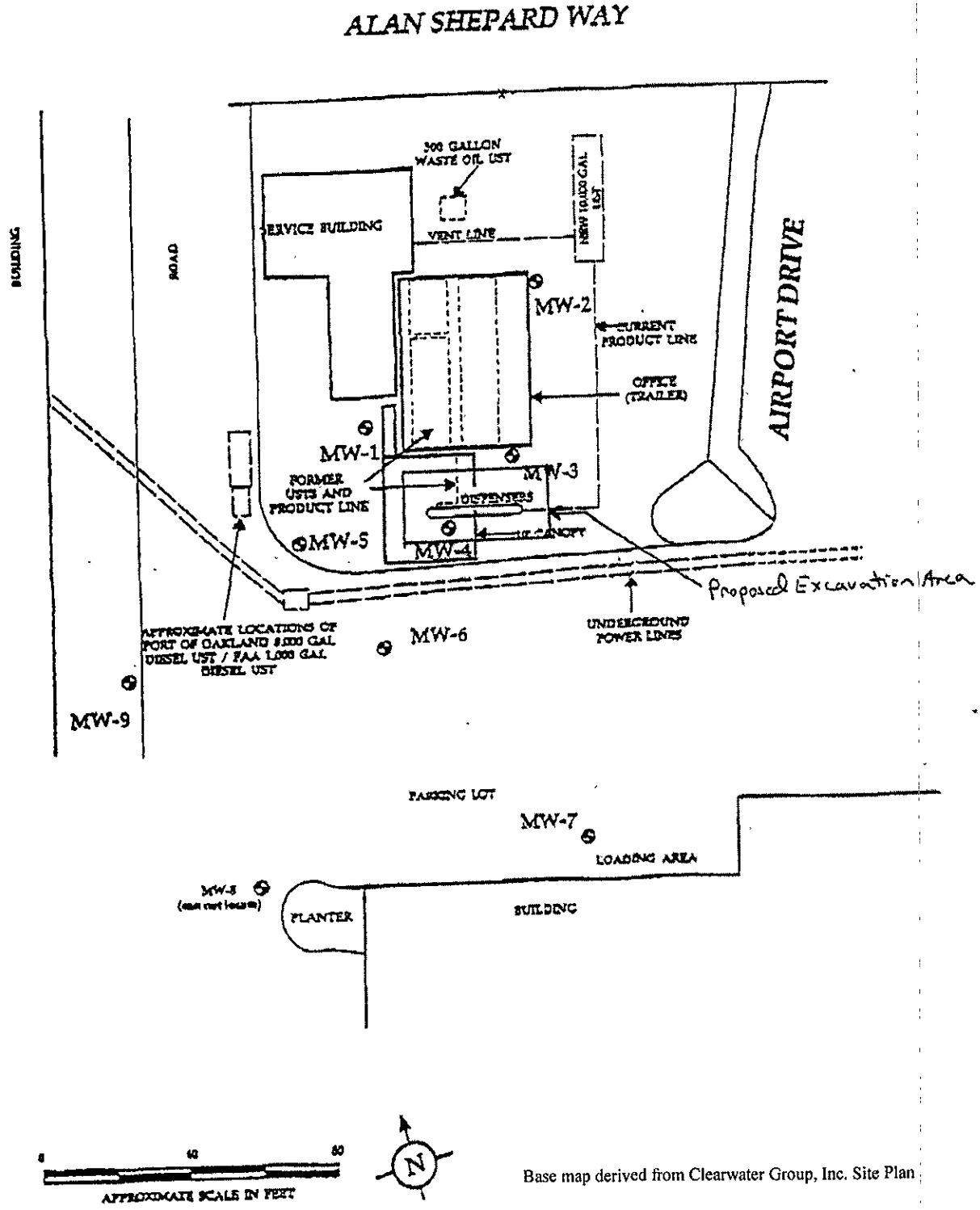
Sincerely,

John Love, RG
Senior Project Manager

REGISTERED GEOLOGIST
JOHN W. LOVE
Expires 11-30-04
No. 6315
STATE OF CALIFORNIA

Paul J. Warmus
for Vice President

Attachments



Base map derived from Clearwater Group, Inc. Site Plan

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

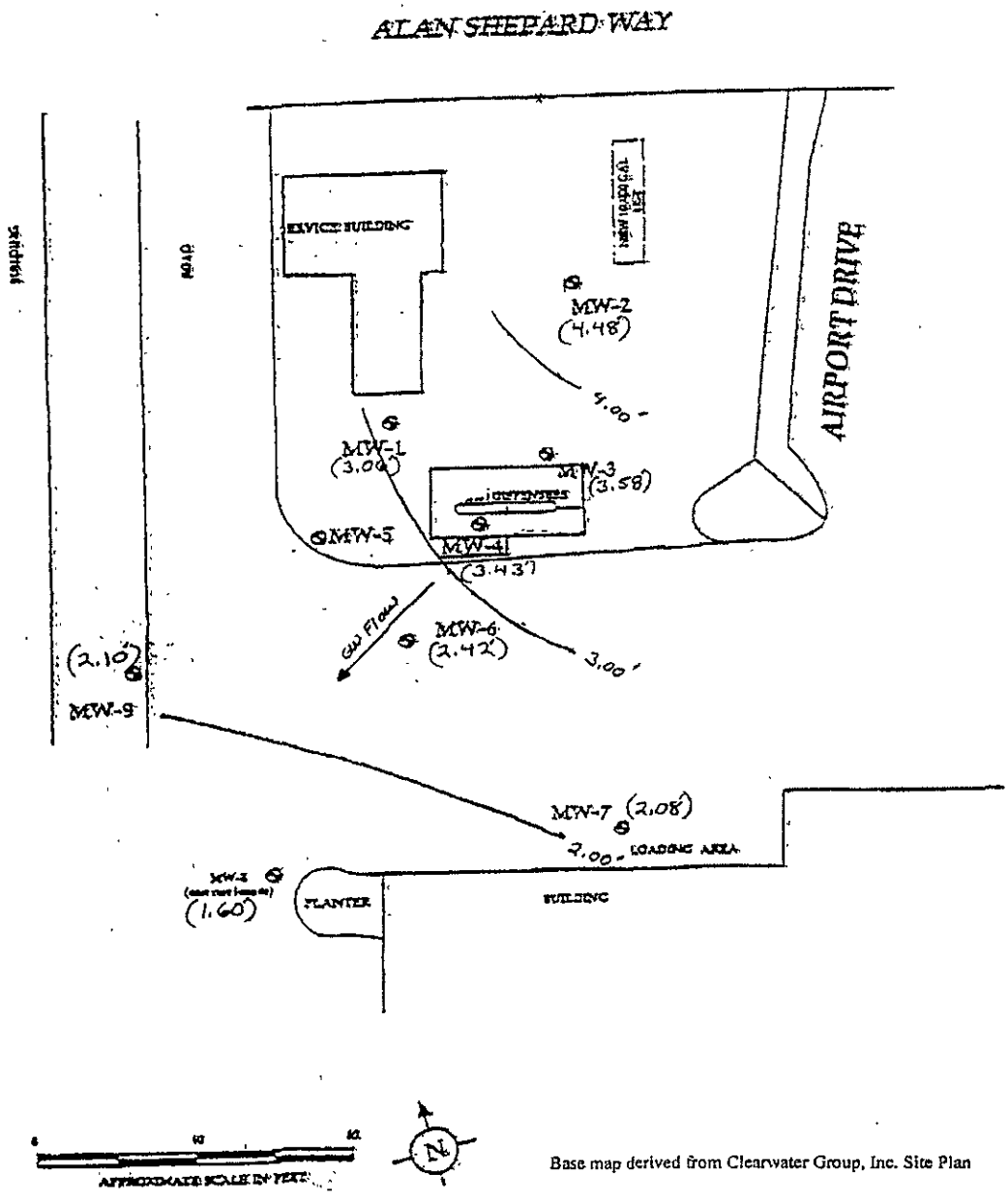
PROJECT NO: 75. 75015.0001		
DESIGNED BY: DEM	SCALE: UNK	REVIEWED BY: JAL
DRAWN BY: JL	DATE: 09/02	FILE: MAP (REVISED)

FIGURE 1

SITE MAP

Former Hertz Rental Car Facility

One Airport Drive
OAKLAND, CALIFORNIA



Base map derived from Clearwater Group, Inc. Site Plan

VATC ASSOCIATES INC 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

GROUNDWATER CONTOUR MAP

Former Hertz Rental Car Facility

One Airport Drive
OAKLAND, CALIFORNIA

FIELD REPORT/DATA SHEET

Date: 9.30.02

Day: (M) Tu W Th F

Project Number: 75.75015.0001

Field Technician: PA

DTW Order	Well ID	Diam.	Lock	Exp. Cap	Total Depth	DTW Initial	DTW Final	Time Sampled	Comments
MW-2	MW-1	2	Good	Good	15.05	4.39	4.93	0950	
MW-1	MW-2	2	↓	↓	14.35	3.61	3.75	0925	
MW-3	MW-3	2	↓	New	14.70	4.08	5.55	1015	INSTALL NEW well cap.
MW-7	MW-5	2	↓	↓	11.10	4.28	5.60	1140	
MW-8	MW-6	2	↓	↓	10.76	4.75	4.90	1205	
MW-9	MW-7	2	↓	↓	10.03	4.85	5.08	1040	
MW-5	MW-8	2	↓	↓	11.70	5.15	5.31	1110	
MW-6	MW-9	~	~	~	~	~	~	~	
									VEHICLE PARKED ON well.

NOTES:

Number of Drums Onsite

Full	Empty	TOTAL
1		

Estimated Value: _____

ARE ALL DRUMS LABELLED WITH THE LABELS FACING OUT

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. OAKLAND, CA
Well Number: MW-1
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions:

Pre-Purge DO (mg/L) N/A

Screened at

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	15.05	-	4.39	=	10.66	X	0.17	=	1.81
3		-		=		X	0.38	=	
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	0937	7.6	839	21.3	CLEAR
1	2.0	0938	7.6	804	22.5	↓
2	4.0	0939	7.6	1211	23.3	↓
3	6.0	0941	7.6	1768	23.7	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
(Fast)
Medium
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	4.39
(P) After Purging	14.20
P - 0.8 (P-I) =	6.35 80% Recovery
(S) Before Sampling	4.93
(P-S) / (P-I) X 100 =	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 0950 Turbidity (NTU): 12.2

Calibrate Date/Time: 9.30.02 0630 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. OAKLAND, CA
Well Number: MW-2
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

Screened at

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Groundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	14.35	-	3.61	=	10.74	X	0.17	=	1.82
3		-		=		X	0.38	=	
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	0911	7.6	1411	18.9	Cloudy
1	2.0	0912	7.8	734	20.8	↓
2	4.0	0913	7.7	743	20.9	↓
3	6.0	0914	7.6	775	20.8	Clear
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
(Fast)
Medium
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	3.61
(P) After Purging	12.60
P - 0.8 (P-I) =	5.40 80% Recovery
(S) Before Sampling	3.75
(P-S) / (P-I) X 100 =	97 % Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 0925 Turbidity (NTU): 25.7

Calibrate Date/Time: 9.30.02 0630 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. OAKLAND, CA
Well Number: MW-3
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

Screened at

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	14.70	-	4.08	=	10.62	X	0.17	=	1.80
3		-		=		X	0.38	=	
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1000	7.9	1693	23.8	Cloudy
1	2.0	1002	7.8	2191	22.7	↓
2	4.0	1003	7.6	3086	22.2	CLEAR
3	6.0	1004	7.5	3230	21.8	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate: Fast / (Medium) / Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	4.08	
(P) After Purging	13.42	
P - 0.8 (P-I) =	5.94	80% Recovery
(S) Before Sampling	5.55	
(P-S) / (P-I) X 100 =	81%	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 1015 Turbidity (NTU): 42

Calibrate Date/Time: 9.30.02 0930 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks: Install New Cap.

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. Oakland, CA
Well Number: MW-5
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions: Sunny

Pre-Purge DO (mg/L) N/A

Screened at

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Groundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	11.10	-	4.28	=	6.82	X	0.17	=	1.15
3		-		=		X	0.38	=	
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1125	8.2	1782	25.1	Cloudy
1	1.0	1126	8.6	546	24.3	↓
2	2.0	1127	8.3	634	24.1	↓
3	3.0	1128	8.4	676	24.7	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate: Fast (Medium) Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	4.28
(P) After Purging	10.90
P - 0.8 (P-I) =	5.60 80% Recovery
(S) Before Sampling	5.60
(P-S) / (P-I) X 100 =	80 % Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 1140 Turbidity (NTU): 7.2

Calibrate Date/Time: 9.30.02 0630 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. Oakland, CA
Well Number: MW-6
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions: Sunny

Pre-Purge DO (mg/L) N/A

Screened at

WELL VOLUME CALCULATION

Well Casing Diameter (In.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2) 3	10.76	-	4.75	=	6.01	X	0.17	=	
						X	0.38	=	1.02
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1152	8.7	648	27.9	Cloudy
1	1.0	1153	8.1	1745	26.1	↓
2	2.0	1154	7.9	3058	25.1	↓
3	3.0	1155	7.9	2626	24.8	clear
4						
5						
6						
7						
8						
9						
10						

Recovery Rate: (Fast) Medium Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	4.75	
(P) After Purging	9.60	
P - 0.8 (P-I) =	5.72	80% Recovery
(S) Before Sampling	4.90	
(P-S) / (P-I) X 100 =	96	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 1205 Turbidity (NTU): 11.3

Calibrate Date/Time: 9.30.02 0630 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. Oakland, CA
Well Number: MW-7
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

WELL VOLUME CALCULATION

Screened at

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Groundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	10.03	-	4.85	=	5.18	X	0.17	=	.88
3		-		=		X	0.38	=	
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1029	7.8	2330	24.3	Cloudy
1	1.0	1030	8.1	1292	23.1	↓
2	2.0	1031	7.7	1671	23.0	↓
3	3.0	1032	7.7	2050	22.7	CLEAR
4						
5						
6						
7						
8						
9						
10						

Recovery Rate: (Fast) Medium Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	4.85
(P) After Purging	8.30
P - 0.8 (P-I) =	5.54
(S) Before Sampling	5.08
(P-S) / (P-I) X 100 =	93 % Total Recovery

80% Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 1040 Turbidity (NTU): 44.3

Calibrate Date/Time: 9.30.02 0630 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: HERTZ - OAKLAND Airport
Address: 1 Airport Dr. Oakland, CA
Well Number: MW-8
Development/Purge/Sampler(s): PA

Project Number: 75.75015.0001
Date: 9.30.02
Well Lock Number:
Well Integrity:
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

Screened at

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Groundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	11.70	-	5.15	=	6.55	X	0.17	=	1.11
3		-		=		X	0.38	=	
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: None

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Honda Pump; ☐ Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1059	7.8	2381	27.8	Brown
1	1.0	1100	8.0	2367	25.7	↓
2	2.0	1101	7.7	4132	25.6	↓
3	3.0	1102	7.7	3860	24.7	light brown
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
(Fast)
Medium
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	5.15
(P) After Purging	11.10
P - 0.8 (P-I) =	6.34 80% Recovery
(S) Before Sampling	5.31
(P-S) / (P-I) X 100 =	96 % Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	6	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 9.30.02 1110 Turbidity (NTU): 86.4

Calibrate Date/Time: 9.30.02 0630 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil _____ Water pump through treatment system _____

Remarks:

ATC ASSOCIATES INC.

DAILY FIELD ACTIVITY LOG

PROJECT NAME: Hertz - Oakland Airport
PROJECT NO: 75; 75015.0001
FIELD ACTIVITY SUBJECT: water Sampling
DATE: 9 30 02
WEATHER: Cloudy
PAGE 1 OF 1
SPECIAL NOTE:
LOGGED BY: PA

TIME	ACTIVITY
0810	ARRIVE SITE, CHECK IN, go through security & Inspection.
0815	locate, open & gauge wells, DTW & TOTAL Depth
0910	purge AND Sample MW-2 (0925)
0930	purge AND Sample MW-1 (0950)
1000	purge AND Sample MW-3 (1015)
1020	purge AND Sample MW-7 (1040)
1045	purge AND Sample MW-8 (1110)
1115	purge AND Sample MW-5 (1140)
1145	purge AND Sample MW-6 (1205)
1215	leave site for office with Samples.

ADDITIONAL COMMENTS

ATC ASSOCIATES INC.
[redacted]6602[redacted]ens [redacted] Sui[redacted]0
Pleasanton, CA 94588
Main Line: (925) 460-5300
Facsimile: (925) 463-2559

CHAIN OF CUSTODY FORM

Project Name: HERTZ - OAKLAND AIRPORT Client: HERTZ
Project Number: 75.75515.0001 Task: 7
Project Address: 1 AIRPORT DR. OAKLAND, CA
Laboratory: SPL LABORATORIES Contact: (713) 660-0901
Lab Address/Phone: 8880 INTERCHANGE DR. HOUSTON, TX 77054
ATC Project Manager: DON KUBIK
ATC PM Ph. No.: (925) 225- 7830 Email: KUBIK75 @atc-enviro.com
ATC Sampler: [illegible] Phone: (925) 225- [illegible]

Turnaround Time: (working days) __ 10 day __ 7 day __ 5 day __ 3 day __ 2 day __ 24 hr __ 2-8 hr X other (STANDARD)

ATC Sample ID	Date	Time	Matrix: Soil	Matrix: Water	Matrix: Vapor	Container: No.	Container: Type	Container: Preservative	Comments / Field Notes	TPHg/BTEX/MTBE (8015M/8020)	Fuel Oxygenates (8260)	TPHd (8015M)	HVOCs (8010)	VOCs (8020)	VOCs (8260)	PP Metals (low detect) (7000/6010)	Cyanide, Total (335.2)
MW-1	7-[illegible]-02	0[illegible]0		X		6	40ml VOA	HCl, ice		X	X						
MW-2	↓	0[illegible]		↓		↓	↓	↓		X	X						
MW-3		1015								X	X						
MW-5		1140								X	X						
MW-6		1205								X	X						
MW-7		1006								X	X						
MW-8		1110								X	X						
MW-4										X	X						

Additional Comments: [illegible] HERTZ RATES
[illegible] 04-[illegible]

Relinquished By:	[illegible]	Date/Time:	[illegible]	Received By: FEDEX	Date/Time: 7-30-02/1600
Relinquished By:		Date/Time:		Received By:	Date/Time:
Relinquished By:		Date/Time:		Received By:	Date/Time:

Sample Condition Good? Yes __ No __ On Ice? Yes __ No __ Cooler Temp __ Transportation Method: __

Page 1 of 1

White - Lab Yellow - Lab Pink - ATC

L:/Admin/Subsurface Group/revised chain of custody, revised 05/08/01

HOUSTON LABORATORY
9880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ATC Associates, Inc.

Certificate of Analysis Number:

02100010

Report To:		Project Name:	Hertz Oakland Airport 75.75015.0001
ATC Associates, Inc. Don Kubik 6602 Owens Drive, Suite 100 Pleasanton CA 94588- ph: (925) 460-5300 fax:		Site:	1 Airport Dr. Oakland, CA
		Site Address:	
		PO Number:	03-75-0133
		State:	California
		State Cert. No.:	01142CA
		Date Reported:	10/10/2002

This Report Contains A Total Of 17 Pages

Excluding This Page

And

Chain Of Custody

10/10/2002

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

ATC Associates, Inc.

Certificate of Analysis Number:

02100010

Report To:		Project Name:	Hertz Oakland Airport 75.75015.0001
ATC Associates, Inc. Don Kubik 6602 Owens Drive, Suite 100 Pleasanton CA 94588- ph: (925) 460-5300 fax:		Site: Site Address: PO Number: State: State Cert. No.: Date Reported:	1 Airport Dr. Oakland, CA 03-75-0133 California 01142CA 10/10/2002

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West
Senior Project Manager

10/10/2002
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ATC Associates, Inc.

Certificate of Analysis Number:

02100010

Report To: ATC Associates, Inc.
Don Kubik
6602 Owens Drive, Suite 100

Pleasanton
CA
94588-
ph: (925) 460-5300 fax: (925) 463-2559

Fax To:

Project Name: Hertz Oakland Airport 75.75015.0001
Site: 1 Airport Dr. Oakland, CA
Site Address:

PO Number: 03-75-0133
State: California
State Cert. No.: 01142CA
Date Reported: 10/10/2002

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	02100010-01	Water	9/30/2002 9:50:00 AM	10/1/2002 10:00:00 AM		☐
MW-2	02100010-02	Water	9/30/2002 9:25:00 AM	10/1/2002 10:00:00 AM		☐
MW-3	02100010-03	Water	9/30/2002 10:15:00 AM	10/1/2002 10:00:00 AM		☐
MW-5	02100010-04	Water	9/30/2002 11:40:00 AM	10/1/2002 10:00:00 AM		☐
MW-6	02100010-05	Water	9/30/2002 12:05:00 PM	10/1/2002 10:00:00 AM		☐
MW-7	02100010-06	Water	9/30/2002 10:40:00 AM	10/1/2002 10:00:00 AM		☐
MW-8	02100010-07	Water	9/30/2002 11:10:00 AM	10/1/2002 10:00:00 AM		☐

Sonia West
Senior Project Manager

10/10/2002
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-1 **Collected:** 09/30/2002 9:50 **SPL Sample ID:** 02100010-01

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1		10/03/02 18:15	D_R	1341553
Surr: 1,4-Difluorobenzene	110	%	62-144	1		10/03/02 18:15	D_R	1341553
Surr: 4-Bromofluorobenzene	83.3	%	44-153	1		10/03/02 18:15	D_R	1341553
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		10/03/02 18:15	D_R	1341365
Ethylbenzene	ND		1	1		10/03/02 18:15	D_R	1341365
Toluene	ND		1	1		10/03/02 18:15	D_R	1341365
Methyl tert-butyl ether	37		1	1		10/03/02 18:15	D_R	1341365
m,p-Xylene	ND		1	1		10/03/02 18:15	D_R	1341365
o-Xylene	ND		1	1		10/03/02 18:15	D_R	1341365
Xylenes,Total	ND		1	1		10/03/02 18:15	D_R	1341365
Surr: 4-Bromofluorobenzene	80.3	%	56-158	1		10/03/02 18:15	D_R	1341365
Surr: 1,4-Difluorobenzene	86.7	%	46-160	1		10/03/02 18:15	D_R	1341365
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5	1		10/04/02 17:59	LT	1343724
1,2-Dichloroethane	ND		5	1		10/04/02 17:59	LT	1343724
Diisopropyl Ether	ND		10	1		10/04/02 17:59	LT	1343724
Methyl tert-butyl ether	30		5	1		10/04/02 17:59	LT	1343724
t-Butyl alcohol	ND		500	1		10/04/02 17:59	LT	1343724
tert-Amyl methyl ether	ND		10	1		10/04/02 17:59	LT	1343724
tert-Butyl ethyl ether	ND		10	1		10/04/02 17:59	LT	1343724
Surr: 1,2-Dichloroethane-d4	92.0	%	62-130	1		10/04/02 17:59	LT	1343724
Surr: 4-Bromofluorobenzene	88.0	%	70-130	1		10/04/02 17:59	LT	1343724
Surr: Toluene-d8	92.0	%	74-122	1		10/04/02 17:59	LT	1343724

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-2 **Collected:** 09/30/2002 9:25 **SPL Sample ID:** 02100010-02

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05		1		10/03/02 18:41	D_R	1341554
Surr: 1,4-Difluorobenzene	101	%	62-144		1		10/03/02 18:41	D_R	1341554
Surr: 4-Bromofluorobenzene	84.7	%	44-153		1		10/03/02 18:41	D_R	1341554
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1		1		10/03/02 18:41	D_R	1341367
Ethylbenzene	ND		1		1		10/03/02 18:41	D_R	1341367
Toluene	ND		1		1		10/03/02 18:41	D_R	1341367
Methyl tert-butyl ether	ND		1		1		10/03/02 18:41	D_R	1341367
m,p-Xylene	ND		1		1		10/03/02 18:41	D_R	1341367
o-Xylene	ND		1		1		10/03/02 18:41	D_R	1341367
Xylenes,Total	ND		1		1		10/03/02 18:41	D_R	1341367
Surr: 4-Bromofluorobenzene	83.5	%	56-158		1		10/03/02 18:41	D_R	1341367
Surr: 1,4-Difluorobenzene	74.6	%	46-160		1		10/03/02 18:41	D_R	1341367
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5		1		10/04/02 18:27	LT	1343725
1,2-Dichloroethane	ND		5		1		10/04/02 18:27	LT	1343725
Diisopropyl Ether	ND		10		1		10/04/02 18:27	LT	1343725
Methyl tert-butyl ether	ND		5		1		10/04/02 18:27	LT	1343725
t-Butyl alcohol	ND		500		1		10/04/02 18:27	LT	1343725
tert-Amyl methyl ether	ND		10		1		10/04/02 18:27	LT	1343725
tert-Butyl ethyl ether	ND		10		1		10/04/02 18:27	LT	1343725
Surr: 1,2-Dichloroethane-d4	90.0	%	62-130		1		10/04/02 18:27	LT	1343725
Surr: 4-Bromofluorobenzene	88.0	%	70-130		1		10/04/02 18:27	LT	1343725
Surr: Toluene-d8	84.0	%	74-122		1		10/04/02 18:27	LT	1343725

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Client Sample ID MW-3 **Collected:** 09/30/2002 10:15 **SPL Sample ID:** 02100010-03

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1		10/04/02 1:27	D_R	1341556
Surr: 1,4-Difluorobenzene	105	%	62-144	1		10/04/02 1:27	D_R	1341556
Surr: 4-Bromofluorobenzene	78.3	%	44-153	1		10/04/02 1:27	D_R	1341556
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		10/04/02 1:27	D_R	1341386
Ethylbenzene	ND		1	1		10/04/02 1:27	D_R	1341386
Toluene	ND		1	1		10/04/02 1:27	D_R	1341386
Methyl tert-butyl ether	2		1	1		10/04/02 1:27	D_R	1341386
m,p-Xylene	ND		1	1		10/04/02 1:27	D_R	1341386
o-Xylene	ND		1	1		10/04/02 1:27	D_R	1341386
Xylenes,Total	ND		1	1		10/04/02 1:27	D_R	1341386
Surr: 4-Bromofluorobenzene	98.6	%	56-158	1		10/04/02 1:27	D_R	1341386
Surr: 1,4-Difluorobenzene	102	%	46-160	1		10/04/02 1:27	D_R	1341386
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5	1		10/04/02 18:55	LT	1343726
1,2-Dichloroethane	ND		5	1		10/04/02 18:55	LT	1343726
Diisopropyl Ether	ND		10	1		10/04/02 18:55	LT	1343726
Methyl tert-butyl ether	ND		5	1		10/04/02 18:55	LT	1343726
t-Butyl alcohol	ND		500	1		10/04/02 18:55	LT	1343726
tert-Amyl methyl ether	ND		10	1		10/04/02 18:55	LT	1343726
tert-Butyl ethyl ether	ND		10	1		10/04/02 18:55	LT	1343726
Surr: 1,2-Dichloroethane-d4	88.0	%	62-130	1		10/04/02 18:55	LT	1343726
Surr: 4-Bromofluorobenzene	86.0	%	70-130	1		10/04/02 18:55	LT	1343726
Surr: Toluene-d8	100	%	74-122	1		10/04/02 18:55	LT	1343726

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-5 **Collected:** 09/30/2002 11:40 **SPL Sample ID:** 02100010-04

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1		10/04/02 1:52	D_R	1341557
Surr: 1,4-Difluorobenzene	112	%	62-144	1		10/04/02 1:52	D_R	1341557
Surr: 4-Bromofluorobenzene	93.7	%	44-153	1		10/04/02 1:52	D_R	1341557
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		10/04/02 1:52	D_R	1341387
Ethylbenzene	ND		1	1		10/04/02 1:52	D_R	1341387
Toluene	ND		1	1		10/04/02 1:52	D_R	1341387
Methyl tert-butyl ether	ND		1	1		10/04/02 1:52	D_R	1341387
m,p-Xylene	ND		1	1		10/04/02 1:52	D_R	1341387
o-Xylene	ND		1	1		10/04/02 1:52	D_R	1341387
Xylenes,Total	ND		1	1		10/04/02 1:52	D_R	1341387
Surr: 4-Bromofluorobenzene	93.0	%	56-158	1		10/04/02 1:52	D_R	1341387
Surr: 1,4-Difluorobenzene	102	%	46-160	1		10/04/02 1:52	D_R	1341387
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5	1		10/04/02 19:22	LT	1343727
1,2-Dichloroethane	ND		5	1		10/04/02 19:22	LT	1343727
Diisopropyl Ether	ND		10	1		10/04/02 19:22	LT	1343727
Methyl tert-butyl ether	ND		5	1		10/04/02 19:22	LT	1343727
t-Butyl alcohol	ND		500	1		10/04/02 19:22	LT	1343727
tert-Amyl methyl ether	ND		10	1		10/04/02 19:22	LT	1343727
tert-Butyl ethyl ether	ND		10	1		10/04/02 19:22	LT	1343727
Surr: 1,2-Dichloroethane-d4	94.0	%	62-130	1		10/04/02 19:22	LT	1343727
Surr: 4-Bromofluorobenzene	86.0	%	70-130	1		10/04/02 19:22	LT	1343727
Surr: Toluene-d8	102	%	74-122	1		10/04/02 19:22	LT	1343727

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-6 **Collected:** 09/30/2002 12:05 **SPL Sample ID:** 02100010-05

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1		10/04/02 2:17	D_R	1341558
Surr: 1,4-Difluorobenzene	106	%	62-144	1		10/04/02 2:17	D_R	1341558
Surr: 4-Bromofluorobenzene	98.7	%	44-153	1		10/04/02 2:17	D_R	1341558
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		10/04/02 2:17	D_R	1341388
Ethylbenzene	ND		1	1		10/04/02 2:17	D_R	1341388
Toluene	ND		1	1		10/04/02 2:17	D_R	1341388
Methyl tert-butyl ether	420		1	1		10/04/02 2:17	D_R	1341388
m,p-Xylene	ND		1	1		10/04/02 2:17	D_R	1341388
o-Xylene	ND		1	1		10/04/02 2:17	D_R	1341388
Xylenes,Total	ND		1	1		10/04/02 2:17	D_R	1341388
Surr: 4-Bromofluorobenzene	87.4	%	56-158	1		10/04/02 2:17	D_R	1341388
Surr: 1,4-Difluorobenzene	104	%	46-160	1		10/04/02 2:17	D_R	1341388
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5	1		10/04/02 19:50	LT	1343728
1,2-Dichloroethane	ND		5	1		10/04/02 19:50	LT	1343728
Diisopropyl Ether	ND		10	1		10/04/02 19:50	LT	1343728
Methyl tert-butyl ether	330		10	2		10/08/02 11:54	LT	1345408
t-Butyl alcohol	ND		500	1		10/04/02 19:50	LT	1343728
tert-Amyl methyl ether	ND		10	1		10/04/02 19:50	LT	1343728
tert-Butyl ethyl ether	ND		10	1		10/04/02 19:50	LT	1343728
Surr: 1,2-Dichloroethane-d4	86.0	%	62-130	2		10/08/02 11:54	LT	1345408
Surr: 1,2-Dichloroethane-d4	90.0	%	62-130	1		10/04/02 19:50	LT	1343728
Surr: 4-Bromofluorobenzene	86.0	%	70-130	2		10/08/02 11:54	LT	1345408
Surr: 4-Bromofluorobenzene	88.0	%	70-130	1		10/04/02 19:50	LT	1343728
Surr: Toluene-d8	98.0	%	74-122	2		10/08/02 11:54	LT	1345408
Surr: Toluene-d8	104	%	74-122	1		10/04/02 19:50	LT	1343728

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-7 **Collected:** 09/30/2002 10:40 **SPL Sample ID:** 02100010-06

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05		1		10/04/02 2:43	D_R	1341559
Surr: 1,4-Difluorobenzene	109	%	62-144		1		10/04/02 2:43	D_R	1341559
Surr: 4-Bromofluorobenzene	87.7	%	44-153		1		10/04/02 2:43	D_R	1341559
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1		1		10/04/02 2:43	D_R	1341389
Ethylbenzene	ND		1		1		10/04/02 2:43	D_R	1341389
Toluene	ND		1		1		10/04/02 2:43	D_R	1341389
Methyl tert-butyl ether	1		1		1		10/04/02 2:43	D_R	1341389
m,p-Xylene	ND		1		1		10/04/02 2:43	D_R	1341389
o-Xylene	ND		1		1		10/04/02 2:43	D_R	1341389
Xylenes,Total	ND		1		1		10/04/02 2:43	D_R	1341389
Surr: 4-Bromofluorobenzene	86.5	%	56-158		1		10/04/02 2:43	D_R	1341389
Surr: 1,4-Difluorobenzene	102	%	46-160		1		10/04/02 2:43	D_R	1341389
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5		1		10/04/02 20:17	LT	1343729
1,2-Dichloroethane	ND		5		1		10/04/02 20:17	LT	1343729
Diisopropyl Ether	ND		10		1		10/04/02 20:17	LT	1343729
Methyl tert-butyl ether	ND		5		1		10/04/02 20:17	LT	1343729
t-Butyl alcohol	ND		500		1		10/04/02 20:17	LT	1343729
tert-Amyl methyl ether	ND		10		1		10/04/02 20:17	LT	1343729
tert-Butyl ethyl ether	ND		10		1		10/04/02 20:17	LT	1343729
Surr: 1,2-Dichloroethane-d4	90.0	%	62-130		1		10/04/02 20:17	LT	1343729
Surr: 4-Bromofluorobenzene	88.0	%	70-130		1		10/04/02 20:17	LT	1343729
Surr: Toluene-d8	102	%	74-122		1		10/04/02 20:17	LT	1343729

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID MW-8 **Collected:** 09/30/2002 11:10 **SPL Sample ID:** 02100010-07

Site: 1 Airport Dr. Oakland, CA

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	ND		0.05	1		10/04/02 3:08	D_R	1341560
Surr: 1,4-Difluorobenzene	113	%	62-144	1		10/04/02 3:08	D_R	1341560
Surr: 4-Bromofluorobenzene	83.7	%	44-153	1		10/04/02 3:08	D_R	1341560
PURGEABLE AROMATICS			**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1	1		10/04/02 3:08	D_R	1341390
Ethylbenzene	ND		1	1		10/04/02 3:08	D_R	1341390
Toluene	ND		1	1		10/04/02 3:08	D_R	1341390
Methyl tert-butyl ether	ND		1	1		10/04/02 3:08	D_R	1341390
m,p-Xylene	ND		1	1		10/04/02 3:08	D_R	1341390
o-Xylene	ND		1	1		10/04/02 3:08	D_R	1341390
Xylenes,Total	ND		1	1		10/04/02 3:08	D_R	1341390
Surr: 4-Bromofluorobenzene	79.8	%	56-158	1		10/04/02 3:08	D_R	1341390
Surr: 1,4-Difluorobenzene	81.7	%	46-160	1		10/04/02 3:08	D_R	1341390
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
1,2-Dibromoethane	ND		5	1		10/04/02 20:44	LT	1343730
1,2-Dichloroethane	ND		5	1		10/04/02 20:44	LT	1343730
Diisopropyl Ether	ND		10	1		10/04/02 20:44	LT	1343730
Methyl tert-butyl ether	ND		5	1		10/04/02 20:44	LT	1343730
t-Butyl alcohol	ND		500	1		10/04/02 20:44	LT	1343730
tert-Amyl methyl ether	ND		10	1		10/04/02 20:44	LT	1343730
tert-Butyl ethyl ether	ND		10	1		10/04/02 20:44	LT	1343730
Surr: 1,2-Dichloroethane-d4	92.0	%	62-130	1		10/04/02 20:44	LT	1343730
Surr: 4-Bromofluorobenzene	84.0	%	70-130	1		10/04/02 20:44	LT	1343730
Surr: Toluene-d8	100	%	74-122	1		10/04/02 20:44	LT	1343730

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

ATC Associates, Inc.

Hertz Oakland Airport 75.75015.0001

Analysis: Purgeable Aromatics
Method: SW8021B
WorkOrder: 02100010
Lab Batch ID: R69042

Method Blank

RunID: VARD_021003A-1341359 Units: ug/L
Analysis Date: 10/03/2002 14:37 Analyst: D_R

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	90.5	46-160
Surr: 4-Bromofluorobenzene	82.8	56-158

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
02100010-01A	MW-1
02100010-02A	MW-2
02100010-03A	MW-3
02100010-04A	MW-5
02100010-05A	MW-6
02100010-06A	MW-7
02100010-07A	MW-8

Laboratory Control Sample (LCS)

RunID: VARD_021003A-1341357 Units: ug/L
Analysis Date: 10/03/2002 13:46 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	49.6	99	70	130
Ethylbenzene	50	47.8	96	70	130
Methyl tert-butyl ether	50	49.9	100	70	130
Toluene	50	46.6	93	70	130
m,p-Xylene	100	100	100	70	130
o-Xylene	50	52	104	70	130
Xylenes,Total	150	152	101	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 02100010-01
RunID: VARD_021003A-1341361 Units: ug/L
Analysis Date: 10/03/2002 16:08 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	17.2	86.1	20	17.7	88.6	2.86	21	32	164

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

ATC Associates, Inc.

Hertz Oakland Airport 75.75015.0001

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 02100010
Lab Batch ID: R69042

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 02100010-01
RunID: VARD_021003A-1341361 Units: ug/L
Analysis Date: 10/03/2002 16:08 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Ethylbenzene	ND	20	15.2	73.8	20	15.5	75.5	2.23	19	52	142
Methyl tert-butyl ether	37.2	20	53.3	80.6	20	58.1	105	25.8 *	20	39	150
Toluene	ND	20	16.3	81.7	20	17.7	88.6	8.16	20	38	159
m,p-Xylene	ND	40	36	89	40	37	92	3.5	17	53	144
o-Xylene	ND	20	19	96	20	20	99	2.8	18	53	143
Xylenes,Total	ND	60	55	92	60	57	95	3.6	18	53	144

Qualifiers:

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MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

ATC Associates, Inc.

Hertz Oakland Airport 75.75015.0001

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 02100010
Lab Batch ID: R69051

Method Blank

RunID: VARD_021003B-1341549 Units: mg/L
Analysis Date: 10/03/2002 14:37 Analyst: D_R

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	108.3	62-144
Surr: 4-Bromofluorobenzene	88.7	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
02100010-01A	MW-1
02100010-02A	MW-2
02100010-03A	MW-3
02100010-04A	MW-5
02100010-05A	MW-6
02100010-06A	MW-7
02100010-07A	MW-8

Laboratory Control Sample (LCS)

RunID: VARD_021003B-1341550 Units: mg/L
Analysis Date: 10/03/2002 15:43 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.701	70	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 02100010-02
RunID: VARD_021003B-1341551 Units: mg/L
Analysis Date: 10/03/2002 16:59 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.743	79.6	0.9	0.762	81.7	2.62	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

ATC Associates, Inc.

Hertz Oakland Airport 75.75015.0001

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 02100010
Lab Batch ID: R69184

Method Blank

RunID: L_021004B-1343715 Units: ug/L
Analysis Date: 10/04/2002 13:20 Analyst: LT

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dibromoethane	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
2-Butanone	ND	20
2-Chloroethyl vinyl ether	ND	10
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Acrolein	ND	50
Acrylonitrile	ND	50
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	10
Dibromochloromethane	ND	5.0
Diisopropyl Ether	ND	10
Ethylbenzene	ND	5.0
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	5.0
Styrene	ND	5.0
t-Butyl alcohol	ND	500
tert-Amyl methyl ether	ND	10
tert-Butyl ethyl ether	ND	10
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl acetate	ND	10
Vinyl chloride	ND	10
cis-1,3-Dichloropropene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	84.0	62-130
Surr: 4-Bromofluorobenzene	88.0	70-130
Surr: Toluene-d8	102.0	74-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
02100010-01B	MW-1
02100010-02B	MW-2
02100010-03B	MW-3
02100010-04B	MW-5
02100010-05B	MW-6
02100010-06B	MW-7
02100010-07B	MW-8

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

ATC Associates, Inc.

Hertz Oakland Airport 75.75015.0001

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 02100010
Lab Batch ID: R69184

Laboratory Control Sample (LCS)

RunID: L_021004B-1343714 Units: ug/L
Analysis Date: 10/04/2002 12:25 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	41	82	61	145
Benzene	50	48	96	76	127
Chlorobenzene	50	49	98	70	130
Toluene	50	50	100	70	129
Trichloroethene	50	48	96	60	140

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 02090928-04
RunID: L_021004B-1343717 Units: ug/L
Analysis Date: 10/04/2002 14:43 Analyst: LT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	250	210	84	250	210	84.0	0	14	61	145
Benzene	ND	250	240	96	250	230	92.0	4	11	76	127
Chlorobenzene	ND	250	240	96	250	230	92.0	4	13	70	130
Toluene	ND	250	240	96	250	240	96.0	0	13	70	129
Trichloroethene	ND	250	240	96	250	240	96.0	0	14	60	140

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	02100010	Received By:	NB
Date and Time Received:	10/1/2002 10:00:00 AM	Carrier name:	FedEx
Temperature:	5	Chilled by:	Blue Ice Pack

		Yes	No	Not Present
1.	Shipping container/cooler in good condition?	☑	☐	☐
2.	Custody seals intact on shippping container/cooler?	☐	☐	☑
3.	Custody seals intact on sample bottles?	☐	☐	☑
4.	Chain of custody present?	☑	☐	
5.	Chain of custody signed when relinquished and received?	☑	☐	
6.	Chain of custody agrees with sample labels?	☑	☐	
7.	Samples in proper container/bottle?	☑	☐	
8.	Sample containers intact?	☑	☐	
9.	Sufficient sample volume for indicated test?	☑	☐	
10.	All samples received within holding time?	☑	☐	
11.	Container/Temp Blank temperature in compliance?	☑	☐	
12.	Water - VOA vials have zero headspace?	☑	☐	Not Applicable ☐
13.	Water - pH acceptable upon receipt?	☑	☐	Not Applicable ☐

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

ATC ASSOCIATES INC.
6602 Owens Drive, Suite 100
Pleasanton, CA 94588
Main Line: (925) 460-5300
Facsimile: (925) 463-2559

0210001O

CHAIN OF CUSTODY FORM

Project Name: HERTZ-OAKLAND AIRPORT Client: HERTZ
Project Number: TO 7515.0001 Task: 7
Project Address: 1 AIRPORT DR. OAKLAND, CA
Laboratory: SPL LABORATORIES Contact: (713) 660-0901
Lab Address/Phone: 8880 INTERCHANGE DR HOUSTON, TX 77054
ATC Project Manager: DAN KUBIK
ATC PM Ph. No.: (925) 225- 7830 Email: KUBIK15 @atc-enviro.com
ATC Sampler: F ARROYO Phone: (925) 225-7813

Turnaround Time: (working days) __ 10 day __ 7 day __ 5 day __ 3 day __ 2 day __ 24 hr __ 2-8 hr X other (STANDARD)

ATC Sample ID	Sample Information: Date	Time	Matrix: Soil	Water	Vapor	Container Information: No.	Type	Preservative	Comments / Field Notes	Analyses Requested: TPHg/BTEX/MTBE (8015M/8020)	Fuel Oxygenates (8260)	TPHd (8015M)	HVOCs (8010)	VOCs (8020)	VOCs (8260)	PP Metals (low detect) (7000/6010)	Cyanide, Total (335.2)
MW-1	9.30.02	0950		X		6	40 VOA	HCl		X	X						
MW-2		0925		X		6	40 VOA	HCl		X	X						
MW-3		1015		X		6	40 VOA	HCl		X	X						
MW-5		1140		X		6	40 VOA	HCl		X	X						
MW-6		1205		X		6	40 VOA	HCl		X	X						
MW-7		1040		X		6	40 VOA	HCl		X	X						
MW-8		1110		X		6	40 VOA	HCl		X	X						
~~MW-9~~				X		6	40 VOA	HCl		X	X						

Additional Comments: PLEASE USE HERTZ RATES
P.O # 03-75-0133

Relinquished By:		Date/Time: 9.30.02/1345	Received By: FEDEX	Date/Time:	
Relinquished By:		Date/Time:	Received By:	Date/Time:	
Relinquished By:		Date/Time:	Received By:	Date/Time: 10/1/02 1000	

Sample Condition Good? Yes ✓ No __ On Ice? Yes ✓ No __ Cooler Temp 3C Transportation Method:

White - Lab Yel[illegible] Lab Pin[illegible] TC
L:\Admin\Subsurface Group\revised chain of custody revised 05/00.01