MFG, Inc
71 Stevenson Street, Suite 1450
San Francisco, CA 94105-2941
415/495-7110
Fax 415/495-7107

consulting
scientists and
engineers

APR 06 2001

April 4, 2001
MFG Project No. 030062.2

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Quarterly Groundwater Monitoring Report, First Quarter 2001**
Hertz Facility, 1 Airport Drive, Oakland, California
StID # 2260

Dear Mr. Chan:

Enclosed is one copy of the subject report prepared by MFG, Inc. MFG has been authorized to transmit this document to you on behalf of The Hertz Corporation.

Please contact either of the undersigned at (415) 495-7110 if you require further information.

Sincerely yours,

MFG, INC.

Jennifer Tancke
Staff Geologist

Christopher B White, C.HG.
Project Hydrogeologist

Enclosure

cc: Roland Costanzo, The Hertz Corporation

J:\030062\Task-02\2001Q1\Report.doc

QUARTERLY GROUNDWATER MONITORING REPORT FIRST QUARTER 2001

HERTZ RENT A CAR FACILITY
1 AIRPORT DRIVE
OAKLAND, CALIFORNIA

APRIL 4, 2001

Prepared For:

THE HERTZ CORPORATION
225 Brae Boulevard
Park Ridge, New Jersey 07656

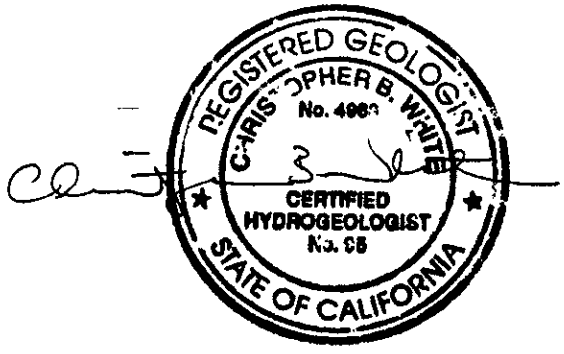
Prepared By:

MFG, INC.
71 Stevenson Street, Suite 1450
San Francisco, California 94105
(415) 495-7110
Fax: (415) 495-7107

MFG Project No. 030062.2

PROFESSIONAL CERTIFICATION

This report has been prepared by MFG, Inc. under the professional supervision of Christopher B. White. The findings, recommendations, specifications and/or professional opinions presented in this report have been prepared in accordance with generally accepted professional hydrogeologic and environmental consulting practice, and within the scope of the project. There is no other warranty, either express or implied.



Christopher B. White
C.HG. No. HG 95
Project Hydrogeologist
MFG, INC.

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1.0 INTRODUCTION

This report presents the methods and results of the groundwater monitoring and sampling conducted by MFG, Inc. at The Hertz Corporation (Hertz) facility located at 1 Airport Drive in Oakland, California (hereinafter the "Site") (Figure 1). The layout of the Site, including the location of the groundwater monitoring wells, is shown on Figure 2.

The groundwater monitoring at the Site was conducted in accordance with MFG's *Implementation of ORC Injection Work Plan*, dated September 20, 2000 (MFG, 2000). Implementation of the proposed groundwater monitoring program was requested by the Alameda County Health Care Services Agency (ACHCSA) in the letter from Mr. Barney Chan to Hertz, dated December 5, 2000 (ACHCSA, 2000).

The Quarterly Groundwater Monitoring Report is organized as follows: Section 2.0 describes the field methods and results of the groundwater sampling program. Section 3.0 presents an evaluation of the lateral hydraulic gradient in the shallow groundwater-bearing zone at the Site. Disposal of investigation-derived waste is discussed in Section 4.0. References cited in this report are listed in Section 5.0.

2.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSIS

2.1 Field Methods

The methods used to measure groundwater levels from monitoring wells MW-1 through MW-7 and MW-9 and collect groundwater samples from monitoring wells MW-1, MW-4, MW-5 and MW-6 are described below.

2.1.1 Water Level Measurement

Groundwater levels were measured in monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7 and MW-9 on January 4, 2001, using an electronic water level indicator. These data are presented in Table 1.

2.1.2 Groundwater Sampling

Groundwater samples were collected from monitoring wells MW-1, MW-4, MW-5 and MW-6 on January 4, 2001. Prior to sample collection, each well was purged using a clean disposable Teflon® bailer. Approximately 4.0, 2.0, 3.6 and 4.0 casing volumes (approximately 6.8, 1.0, 4.0 and 4.0 gallons) of groundwater were removed from monitoring wells MW-1, MW-4, MW-5 and MW-6, respectively, during the purging process. The temperature, pH and specific conductance of the water were monitored using a Myron L Ultrameter 6P water quality meter following field calibration. Monitoring wells MW-4 and MW-5 were purged dry and allowed to recover before sampling. The water levels in monitoring wells MW-4 and MW-5 both recovered to 80 percent of their original levels. The field measurements for wells MW-1 and MW-6 were relatively stable (within 10 percent for specific conductance, 0.05 pH units, and 1°C) at the end of purging. The field-measured values of these parameters at the end of purging were as follows:

Well	Temperature (°C)	pH	Specific Conductance (µmhos/cm at field temp)
MW-1	16	7.1	860
MW-4	17	7.6	2,400
MW-5	17	7.6	500
MW-6	17	7.3	3,300

After purging, a groundwater sample was collected from near the top of the water column in each well. The groundwater samples were placed in six, laboratory supplied, 40-milliliter (ml) glass vials with hydrochloric acid for sample preservation and screw caps with Teflon®-lined septa; one laboratory supplied, 500-ml amber bottle containing sulfuric acid for sample preservation; one laboratory supplied 1-liter plastic bottle; and one laboratory supplied, 500-ml amber bottle containing hydrochloric acid for sample preservation. After filling, the groundwater sample containers were placed in an ice-cooled, insulated chest for transport to the laboratory for analysis. A chain-of-custody record was completed for the samples and accompanied the samples until receipt by the laboratory. A copy of the chain-of-custody record is included in Appendix A.

Reusable sampling equipment used in purging and sampling the monitoring wells was washed in a laboratory-grade detergent (Liquinox®) and water solution and triple rinsed with distilled water prior to use in each well and at the completion of sampling. The water generated during purging and sampling of the monitoring wells was temporarily stored in a 55-gallon drum prior to disposal (Section 4.0).

2.2 Analytical Methods and Results

The groundwater samples were submitted for chemical analysis to Southern Petroleum Laboratories of Houston, Texas, an analytical laboratory certified by the California Department of Health Services (DHS). The groundwater samples were analyzed for:

- Total purgeable petroleum hydrocarbons (TPPH) as gasoline (EPA Method 8015, extraction by EPA Method 5030);
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) and fuel oxygenates (EPA Method 8260, extraction by EPA Method 5030);
- Nitrate (EPA Method 353.2);
- Sulfate (EPA Method 375.4); and
- Ferrous Iron (EPA Method 3500-FeD).

TPPH as gasoline and BTEX were not detected in the groundwater samples collected from wells MW-1, MW-5 and MW-6 at concentrations above the laboratory reporting limits. TPPH as gasoline, benzene, toluene, ethylbenzene and total xylenes were detected in groundwater monitoring well MW-4 at

[redacted]
sam[redacted]
([redacted]ely.

Sulfate was detected in the groundwater sample collected from monitoring wells MW-1, MW-4, MW-5 and MW-6 at concentrations of 85.0, 25.0, 45.6 and 165 mg/L, respectively. Nitrate was detected in the groundwater sample collected from monitoring well MW-1 at a concentration of 1.92 mg/L. Ferrous iron was detected in the samples collected from monitoring wells MW-4, MW-5 and MW-6 at concentrations of 2.2, 2.0 and 3.8 mg/L, respectively.

A summary of laboratory analytical results for the groundwater samples is shown in Table 2. Copies of the laboratory reports are included in Appendix A.

3.0 EVALUATION OF LATERAL HYDRAULIC GRADIENT

Groundwater levels were measured in monitoring wells MW-1 through MW-7 and MW-9 prior to groundwater sampling on January 4, 2001. Groundwater level elevations were calculated using the depth-to-water measurements and the MP elevations of the wells (Table 1). The water level elevations ranged from 1.35 to 4.53 feet NGVD.

The potentiometric surface of the shallow groundwater at the Site on January 4, 2001 is shown in Figure 3. The potentiometric surface contours illustrate that the lateral hydraulic gradient on that date was to the southwest with an approximate magnitude of 0.018 foot per foot.

4.0 DISPOSAL OF INVESTIGATION-DERIVED WASTE

The drum containing purge water was labeled as non-hazardous waste. The drum will be temporarily stored at the Site and will be disposed of following completion of the next quarterly groundwater sampling event.

5.0 REFERENCES

Alemeda County Health Care Services Agency (ACHCSA), 2000, *Letter to The Hertz Corporation – Subject: Subsurface Investigation for Hertz Facility, 1 Airport Dr., Oakland, CA 94621*: December 5.

MFG, Inc., 2000, *Implementation of ORC Injection Work Plan, Hertz Facility, 1 Airport Dirve, Oakland, California, StID # 2260*: September 20.

TABLES

TABLE 1

WATER LEVEL DATA FOR GROUNDWATER MONITORING WELLS

1 Airport Drive
Oakland, California

WELL ID	MEASUREMENT DATE	DEPTH TO WATER (ft BMP)	MEASURING POINT ELEVATION (ft NGVD)	WATER LEVEL ELEVATION (ft NGVD)
MW-1	04-Jan-01	4.22	7.45	3.23
MW-2	04-Jan-01	3.56	8.09	4.53
MW-3	04-Jan-01	3.99	7.66	3.67
MW-4	04-Jan-01	4.61	7.11	2.50
MW-5	04-Jan-01	3.93	7.76	3.83
MW-6	04-Jan-01	4.60	7.17	2.57
MW-7	04-Jan-01	4.82	6.93	2.11
MW-9	04-Jan-01	5.20	6.55	1.35

Notes:

BMP	Below Measuring Point. Measuring Point is at top of well casing.
NGVD	National Geodetic Vertical Datum of 1929.

TABLE 2

CHEMICAL ANALYSES OF GROUNDWATER SAMPLES FOR TPPH, BTEX, FUEL OXYGENATES AND NATURAL ATTENUATION PARAMETERS

1 Airport Drive
Oakland, California

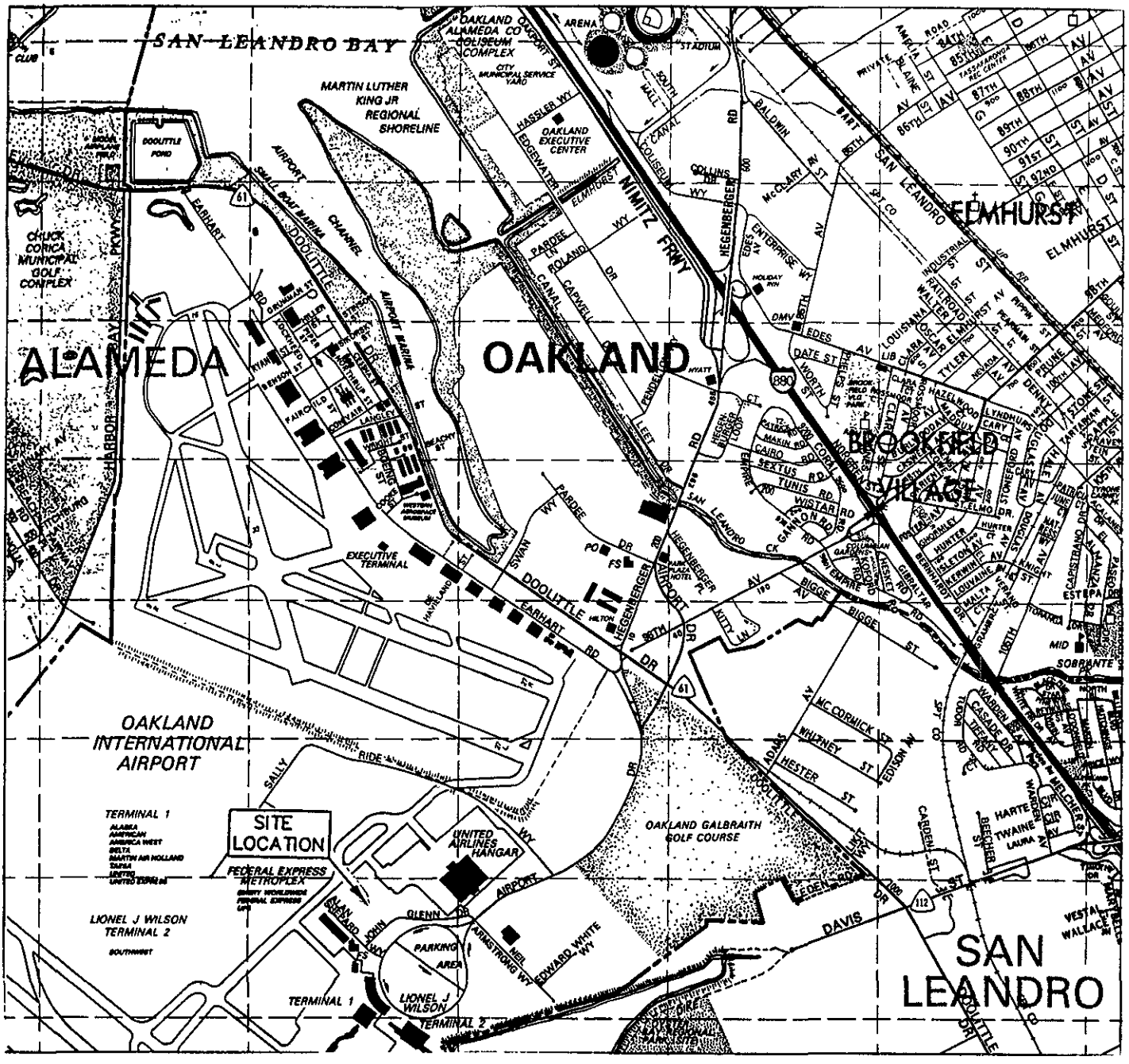
WELL ID	SAMPLE ID	DATE SAMPLED	TPPH AS GASOLINE (mg/L)	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	TOTAL XYLENES (mg/L)	MTBE (mg/L)	TBA (mg/L)	Sulfate (mg/L)	Nitrate (mg/L as N)	Ferrous Iron (mg/L)
MW-1	MW-1	04-Jan-01	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.5	**85.0**	**1.92**	<0.1
MW-4	MW-4	04-Jan-01	**6.9**	**1.3**	**0.18**	**0.79**	**0.56**	**0.20**	<0.5	**25.0**	<0.1	**2.2**
MW-5	MW-5	04-Jan-01	<0.05	<0.005	<0.005	<0.005	<0.005	**0.010**	<0.5	**45.6**	<0.1	**2.0**
MW-6	MW-6	04-Jan-01	<0.05	<0.005	<0.005	<0.005	<0.005	**0.50**	<0.5	**165**	<0.1	**3.8**

Notes:

TPPH	Total purgeable petroleum hydrocarbons. Analyzed using modified EPA Method 8015M and quantified against a gasoline standard.
BTEX	Benzene, toluene, ethylbenzene and total xylenes. Analyzed using EPA Method 8260B.
MTBE	Methyl tertiary-butyl ether. Analyzed using EPA Method 8260B.
TBA	Tertiary-butyl alcohol. Analyzed using EPA Method 8260B.
Sulfate	Analyzed using EPA Method 375.4.
Nitrate	Analyzed using EPA Method 353.2.
Ferrous Iron	Analyzed using EPA Method 3500-FeD.
mg/L	Milligrams per liter.
<5	Not detected at or above the laboratory reporting limit indicated.

FIGURES

J:\030082\TASK-03\FIGURES\LOCATION.DWG PLOT SCALE 1:1



SOURCE: THE THOMAS GUIDE
ALAMEDA/CONTRA COSTA COUNTIES
1995 EDITION

N

0 2,200 FEET

APPROXIMATE SCALE

SITE LOCATION MAP

Hertz Service Center
1 Airport Drive
Oakland, California

PROJECT NO. 030082	BY: N. JOHNSON	FIGURE
DATE: 3/21/01	CHECKED: CB	1

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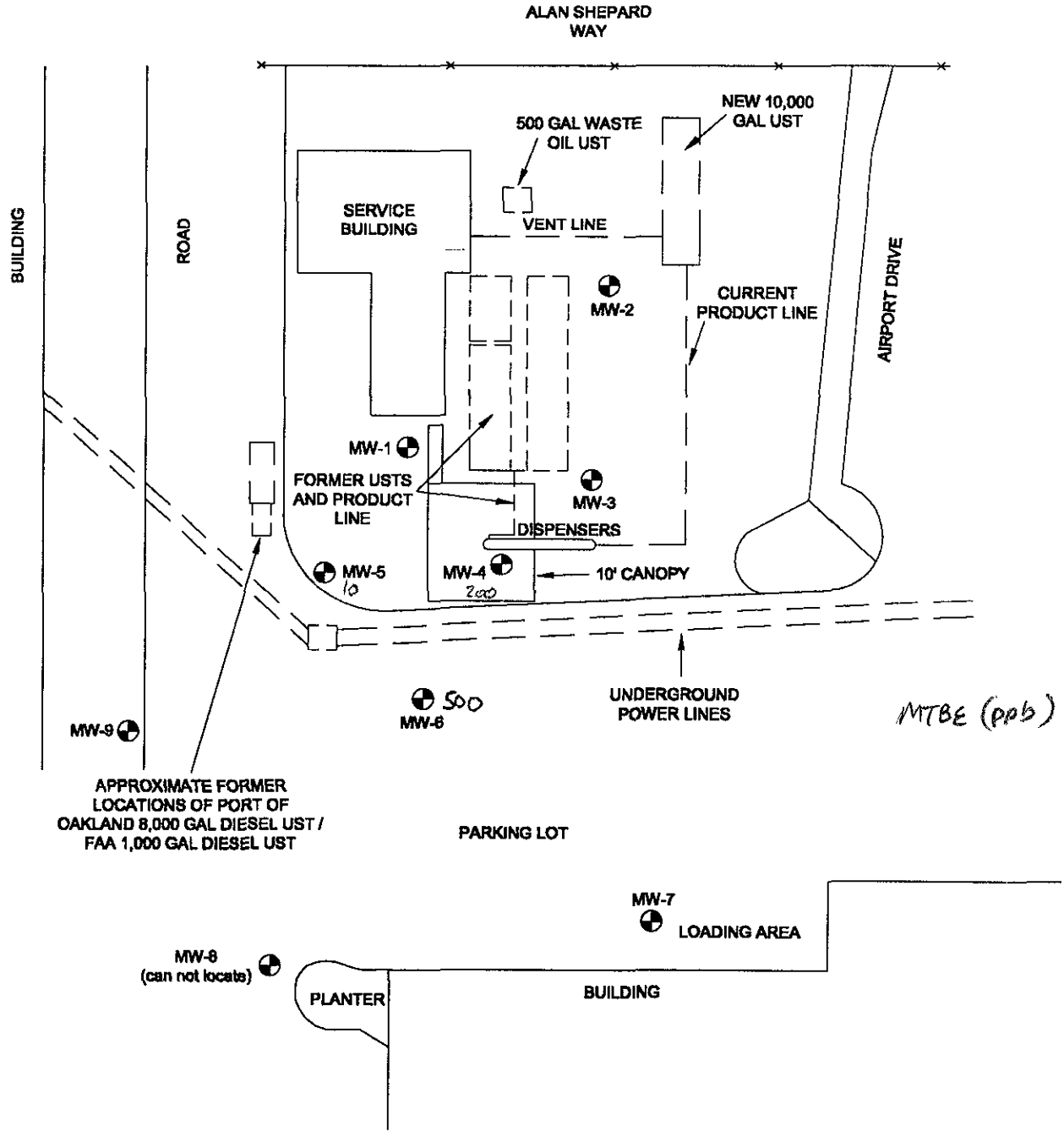
J:\030082\TASK-03\FIGURES\SITEPLAN2.DWG PLOT SCALE: 1:1



EXPLANATION

GROUNDWATER MONITORING WELL

FENCELINE

0 40 FEET

APPROXIMATE SCALE

SITE PLAN BASED ON MAP BY ESE, INC.
JANUARY 4, 1994

SITE PLAN

Hertz Service Center
1 Airport Drive
Oakland, California

PROJECT NO. 030082	BY: N. JOHNSON	FIGURE 2
DATE: 3/21/01	CHECKED: CBW	

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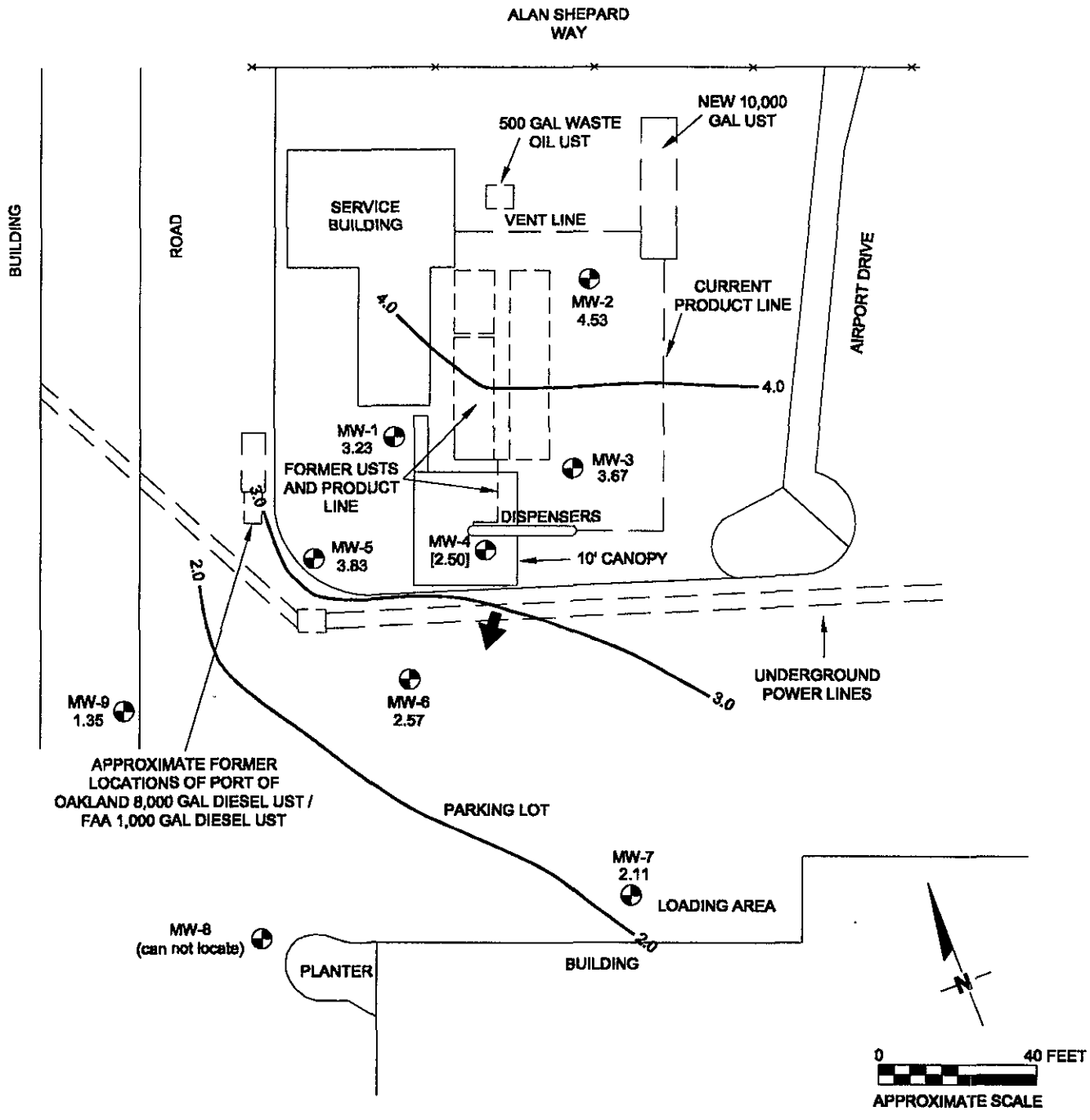
J:\030062\TASK-03\FIGURES\CONTOUR.DWG PLOT SCALE: 1:1



EXPLANATION

- LOCATION AND DESIGNATION OF MONITORING WELL (FEET NGVD)
- [2.50] GROUNDWATER ELEVATION IN BRACKETS WAS NOT USED IN CONTOURING BECAUSE WATER LEVEL IN WELL CASING HAD NOT REACHED EQUILIBRIUM.
- APPROXIMATE LINE OF EQUAL ELEVATION OF POTENTIOMETRIC SURFACE (FEET NGVD). CONTOUR INTERVAL IS ONE FOOT.
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

SOURCE: SITE PLAN BASED ON MAP BY ESE, INC. JANUARY 4, 1994

POTENTIOMETRIC SURFACE OF SHALLOW GROUNDWATER JANUARY 4, 2001

Hertz Service Center
1 Airport Drive
Oakland, California

PROJECT NO. 030062	BY: N. JOHNSON	FIGURE
DATE: 3/21/01	CHECKED: CBW	3

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APPENDIX A

Laboratory Reports and Chain-of-Custody Records for Groundwater Samples Submitted for Analysis

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

McCulley, Frick & Gilman, Inc.

Certificate of Analysis Number:

01010085

Report To:		**Project Name:**	Hertz-Oakland #030062 (2)
McCulley, Frick & Gilman, Inc.		**Site:**	Hertz-Oakland
Steve Smith		**Site Address:**	
71 Stevenson Street, Suite 1450			
San Francisco		**PO Number:**	
CA		**State:**	California
94105-		**State Cert. No.:**	1903
ph: (415) 495-7110	fax: (415) 495-7107	**Date Reported:**	

This Report Contains A Total Of 18 Pages

Excluding This Page

And

Chain Of Custody

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Date

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

Case Narrative for:

McCulley, Frick & Gilman, Inc.

Certificate of Analysis Number:

01010085

Report To:		Project Name:	Hertz-Oakland #030062 (2)
McCulley, Frick & Gilman, Inc.		Site:	Hertz-Oakland
Steve Smith		Site Address:	
71 Stevenson Street, Suite 1450			
		PO Number:	
San Francisco		State:	California
CA		State Cert. No.:	1903
94105-		Date Reported:	
ph: (415) 495-7110	fax: (415) 495-7107		

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.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

West, Sonia
Senior Project Manager

1/11/01
Date

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

McCulley, Frick & Gilman, Inc.

Certificate of Analysis Number:

01010085

Report To: McCulley, Frick & Gilman, Inc.
Steve Smith
71 Stevenson Street, Suite 1450

San Francisco
CA
94105-
ph: (415) 495-7110 fax: (415) 495-7107

Fax To: McCulley, Frick & Gilman, Inc.
Steve Smith fax : (415) 495-7107

Project Name: Hertz-Oakland #030062 (2)
Site: Hertz-Oakland
Site Address:

PO Number:
State: California
State Cert. No.: 1903
Date Reported:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-5	01010085-01	Water	1/4/01 1:05:00 PM	1/5/01 10:00:00 AM	41797	☐
MW-6	01010085-02	Water	1/4/01 1:53:00 PM	1/5/01 10:00:00 AM	41797	☐
Trip Blank 12/29/00	01010085-03	Trip Blank	1/4/01	1/5/01 10:00:00 AM	41797	
MW-1	01010085-04	Water	1/4/01 12:00:00 PM	1/5/01 10:00:00 AM	41798	
MW-4	01010085-05	Water	1/4/01 2:30:00 PM	1/5/01 10:00:00 AM	41798	

Sonia West 1/11/01

West, Sonia
Senior Project Manager

Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

RECEIVED
JAN 18 2001
MFG, Inc.

1/11/01 9:30:08 AM

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

Client Sample ID MW-5 **Collected:** 1/4/01 1:05:00 P **SPL Sample ID:** 01010085-01

Site: Hertz-Oakland

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		01/09/01 9:49	DL	526364
Surr: 1,4-Difluorobenzene	104	%	62-144		1		01/09/01 9:49	DL	526364
Surr: 4-Bromofluorobenzene	98.3	%	44-153		1		01/09/01 9:49	DL	526364
IRON, FERROUS				**MCL**	**M3500-FE D**		**Units: mg/L**		
Iron, Ferrous	2		0.10		1		01/05/01 11:00	SN	524831
NITRATE NITROGEN (AS N), TOTAL				**MCL**	**E353.2**		**Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.100		1		01/05/01 12:46	CV	525600
SULFATE, TOTAL				**MCL**	**E375.4**		**Units: mg/L**		
Sulfate	45.6		5.00		5		01/08/01 9:00	SN	525841
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/L**		
Benzene	ND		5		1		01/08/01 19:33	LT	526656
Diisopropyl ether	ND		10		1		01/08/01 19:33	LT	526656
Ethylbenzene	ND		5		1		01/08/01 19:33	LT	526656
Methyl tert-butyl ether	10		5		1		01/08/01 19:33	LT	526656
t-Butyl alcohol	ND		500		1		01/08/01 19:33	LT	526656
tert-Amyl methyl ether	ND		10		1		01/08/01 19:33	LT	526656
tert-Butyl ethyl ether	ND		10		1		01/08/01 19:33	LT	526656
Toluene	ND		5		1		01/08/01 19:33	LT	526656
Xylenes,Total	ND		5		1		01/08/01 19:33	LT	526656
Surr: 1,2-Dichloroethane-d4	88.0	%	62-119		1		01/08/01 19:33	LT	526656
Surr: 4-Bromofluorobenzene	106	%	78-123		1		01/08/01 19:33	LT	526656
Surr: Toluene-d8	102	%	74-122		1		01/08/01 19:33	LT	526656

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, TEXAS 77054
(713) 660-0901

Client Sample ID MW-6 **Collected:** 1/4/01 1:53:00 P **SPL Sample ID:** 01010085-02

Site: Hertz-Oakland

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		01/08/01 19:18	DL	526359
Surr: 1,4-Difluorobenzene	110	%	62-144		1		01/08/01 19:18	DL	526359
Surr: 4-Bromofluorobenzene	115	%	44-153		1		01/08/01 19:18	DL	526359
IRON, FERROUS				**MCL**	**M3500-FE D**		**Units: mg/L**		
Iron, Ferrous	3.8		0.20		2		01/05/01 11:00	SN	524832
NITRATE NITROGEN (AS N), TOTAL				**MCL**	**E353.2**		**Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.100		1		01/05/01 12:46	CV	525603
SULFATE, TOTAL				**MCL**	**E375.4**		**Units: mg/L**		
Sulfate	165		25.0		25		01/08/01 9:00	SN	525844
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/L**		
Benzene	ND		5		1		01/08/01 20:56	LT	526659
Diisopropyl ether	ND		10		1		01/08/01 20:56	LT	526659
Ethylbenzene	ND		5		1		01/08/01 20:56	LT	526659
Methyl tert-butyl ether	500		25		5		01/09/01 15:03	LT	527156
t-Butyl alcohol	ND		500		1		01/08/01 20:56	LT	526659
tert-Amyl methyl ether	ND		10		1		01/08/01 20:56	LT	526659
tert-Butyl ethyl ether	ND		10		1		01/08/01 20:56	LT	526659
Toluene	ND		5		1		01/08/01 20:56	LT	526659
Xylenes,Total	ND		5		1		01/08/01 20:56	LT	526659
Surr: 1,2-Dichloroethane-d4	88.0	%	62-119		5		01/09/01 15:03	LT	527156
Surr: 1,2-Dichloroethane-d4	88.0	%	62-119		1		01/08/01 20:56	LT	526659
Surr: 4-Bromofluorobenzene	104	%	78-123		5		01/09/01 15:03	LT	527156
Surr: 4-Bromofluorobenzene	108	%	78-123		1		01/08/01 20:56	LT	526659
Surr: Toluene-d8	104	%	74-122		5		01/09/01 15:03	LT	527156
Surr: Toluene-d8	102	%	74-122		1		01/08/01 20:56	LT	526659

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, TEXAS 77054
(713) 660-0901

Client Sample ID Trip Blank 12/29/00 **Collected:** 1/4/01 **SPL Sample ID:** 01010085-03

Site: Hertz-Oakland

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/L**		
Benzene	ND		5	1		01/08/01 19:07	LT	526655
Diisopropyl ether	ND		10	1		01/08/01 19:07	LT	526655
Ethylbenzene	ND		5	1		01/08/01 19:07	LT	526655
Methyl tert-butyl ether	ND		5	1		01/08/01 19:07	LT	526655
t-Butyl alcohol	ND		500	1		01/08/01 19:07	LT	526655
tert-Amyl methyl ether	ND		10	1		01/08/01 19:07	LT	526655
tert-Butyl ethyl ether	ND		10	1		01/08/01 19:07	LT	526655
Toluene	ND		5	1		01/08/01 19:07	LT	526655
Xylenes,Total	ND		5	1		01/08/01 19:07	LT	526655
Surr: 1,2-Dichloroethane-d4	86.0	%	62-119	1		01/08/01 19:07	LT	526655
Surr: 4-Bromofluorobenzene	108	%	78-123	1		01/08/01 19:07	LT	526655
Surr: Toluene-d8	104	%	74-122	1		01/08/01 19:07	LT	526655

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

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Client Sample ID MW-1 **Collected:** 1/4/01 12:00:00 **SPL Sample ID:** 01010085-04

Site: Hertz-Oakland

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		01/08/01 19:44	DL	526360
Surr: 1,4-Difluorobenzene	104	%	62-144		1		01/08/01 19:44	DL	526360
Surr: 4-Bromofluorobenzene	97.7	%	44-153		1		01/08/01 19:44	DL	526360
IRON, FERROUS				**MCL**	**M3500-FE D**		**Units: mg/L**		
Iron, Ferrous	ND		0.10		1		01/05/01 11:00	SN	524827
NITRATE NITROGEN (AS N), TOTAL				**MCL**	**E353.2**		**Units: mg/L**		
Nitrogen,Nitrate (As N)	1.92		0.100		1		01/05/01 12:46	CV	525604
SULFATE, TOTAL				**MCL**	**E375.4**		**Units: mg/L**		
Sulfate	85		10.0		10		01/08/01 9:00	SN	525845
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/L**		
Benzene	ND		5		1		01/08/01 21:26	LT	526660
Diisopropyl ether	ND		10		1		01/08/01 21:26	LT	526660
Ethylbenzene	ND		5		1		01/08/01 21:26	LT	526660
Methyl tert-butyl ether	ND		5		1		01/08/01 21:26	LT	526660
t-Butyl alcohol	ND		500		1		01/08/01 21:26	LT	526660
tert-Amyl methyl ether	ND		10		1		01/08/01 21:26	LT	526660
tert-Butyl ethyl ether	ND		10		1		01/08/01 21:26	LT	526660
Toluene	ND		5		1		01/08/01 21:26	LT	526660
Xylenes,Total	ND		5		1		01/08/01 21:26	LT	526660
Surr: 1,2-Dichloroethane-d4	88.0	%	62-119		1		01/08/01 21:26	LT	526660
Surr: 4-Bromofluorobenzene	108	%	78-123		1		01/08/01 21:26	LT	526660
Surr: Toluene-d8	108	%	74-122		1		01/08/01 21:26	LT	526660

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
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Client Sample ID MW-4 **Collected:** 1/4/01 2:30:00 P **SPL Sample ID:** 01010085-05

Site: Hertz-Oakland

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**MCL**	**CA_GRO**		**Units: mg/L**		
Gasoline Range Organics	6.9		0.5		10		01/08/01 20:09	DL	526361
Surr: 1,4-Difluorobenzene	124	%	62-144		10		01/08/01 20:09	DL	526361
Surr: 4-Bromofluorobenzene	121	%	44-153		10		01/08/01 20:09	DL	526361
IRON, FERROUS				**MCL**	**M3500-FE D**		**Units: mg/L**		
Iron, Ferrous	2.2		0.10		1		01/05/01 11:00	SN	524833
NITRATE NITROGEN (AS N), TOTAL				**MCL**	**E353.2**		**Units: mg/L**		
Nitrogen,Nitrate (As N)	ND		0.100		1		01/05/01 12:46	CV	525605
SULFATE, TOTAL				**MCL**	**E375.4**		**Units: mg/L**		
Sulfate	25		2.50		2.5		01/08/01 9:00	SN	525846
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/L**		
Benzene	1300		100		20		01/09/01 13:31	LT	527153
Diisopropyl ether	ND		10		1		01/08/01 21:51	LT	526661
Ethylbenzene	790		100		20		01/09/01 13:31	LT	527153
Methyl tert-butyl ether	200		5		1		01/08/01 21:51	LT	526661
t-Butyl alcohol	ND		500		1		01/08/01 21:51	LT	526661
tert-Amyl methyl ether	ND		10		1		01/08/01 21:51	LT	526661
tert-Butyl ethyl ether	ND		10		1		01/08/01 21:51	LT	526661
Toluene	180		5		1		01/08/01 21:51	LT	526661
Xylenes,Total	560		100		20		01/09/01 13:31	LT	527153
Surr: 1,2-Dichloroethane-d4	86.0	%	62-119		20		01/09/01 13:31	LT	527153
Surr: 1,2-Dichloroethane-d4	84.0	%	62-119		1		01/08/01 21:51	LT	526661
Surr: 4-Bromofluorobenzene	108	%	78-123		1		01/08/01 21:51	LT	526661
Surr: 4-Bromofluorobenzene	110	%	78-123		20		01/09/01 13:31	LT	527153
Surr: Toluene-d8	100	%	74-122		20		01/09/01 13:31	LT	527153
Surr: Toluene-d8	104	%	74-122		1		01/08/01 21:51	LT	526661

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, TEXAS 77054
(713) 660-0901

Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Gasoline Range Organics
Method: CA_GRO
WorkOrder: 01010085
Lab Batch ID: R27371

Method Blank

RunID: HP_U_010108B-526350 Units: mg/L
Analysis Date: 01/08/2001 13:25 Analyst: DL

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	104.0	62-144
Surr: 4-Bromofluorobenzene	100.0	44-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010085-01B	MW-5
01010085-02B	MW-6
01010085-04B	MW-1
01010085-05B	MW-4

Laboratory Control Sample (LCS)

RunID: HP_U_010108B-526400 Units: mg/L
Analysis Date: 01/09/2001 12:21 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.77	77	70	130

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

Sample Spiked: 01010027-08
RunID: HP_U_010108B-526351 Units: mg/L
Analysis Date: 01/08/2001 15:05 Analyst: DL

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	0.79	84.3	0.9	0.74	78.1	7.55	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.

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 01010085
Lab Batch ID: R27393

Method Blank

RunID: L_010108B-526652 Units: ug/L
Analysis Date: 01/08/2001 17:46 Analyst: LT

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	1.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	1.0
Chloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
Dibromochloromethane	ND	1.0
Diisopropyl ether	ND	10
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
t-Butyl alcohol	ND	500
tert-Amyl methyl ether	ND	10
tert-Butyl ethyl ether	ND	10
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	88.0	62-119
Surr: 4-Bromofluorobenzene	104.0	78-123
Surr: Toluene-d8	106.0	74-122

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010085-01A	MW-5
01010085-02A	MW-6
01010085-03A	Trip Blank 12/29/00
01010085-04A	MW-1
01010085-05A	MW-4

Laboratory Control Sample (LCS)

RunID: L_010108B-526651 Units: ug/L
Analysis Date: 01/08/2001 15:24 Analyst: LT

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.

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 01010085
Lab Batch ID: R27393

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	52	104	61	145
Benzene	50	50	100	76	127
Chlorobenzene	50	48	96	75	130
Toluene	50	50	100	76	125
Trichloroethene	50	53	106	71	120

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

Sample Spiked: 01010085-01
RunID: L_010108B-526657 Units: ug/L
Analysis Date: 01/08/2001 19:59 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	50	42	84	50	46	92	9	14	38	172
Benzene	ND	50	46	92	50	46	92	0	11	66	134
Chlorobenzene	ND	50	47	94	50	47	94	0	13	67	115
Toluene	ND	50	47	94	50	47	94	0	13	59	125
Trichloroethene	ND	50	51	102	50	52	104	2	14	61	134

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

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 01010085
Lab Batch ID: R27433

Method Blank

RunID: L_010109B-527151 Units: ug/L
Analysis Date: 01/09/2001 12:39 Analyst: LT

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010085-02A	MW-6
01010085-05A	MW-4

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	1.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	1.0
Chloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	90.0	62-119
Surr: 4-Bromofluorobenzene	104.0	76-123
Surr: Toluene-d8	106.0	74-122

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Laboratory Control Sample (LCS)

RunID: L_010109B-527150 Units: ug/L
Analysis Date: 01/09/2001 11:41 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit

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.

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 01010085
Lab Batch ID: R27433

Laboratory Control Sample (LCS)

RunID: L_010109B-527150 Units: ug/L
Analysis Date: 01/09/2001 11:41 Analyst: LT

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	59	118	61	145
Benzene	50	49	98	76	127
Chlorobenzene	50	48	96	75	130
Toluene	50	48	96	76	125
Trichloroethene	50	52	104	71	120

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

Sample Spiked: 01010085-05
RunID: L_010109B-527154 Units: ug/L
Analysis Date: 01/09/2001 14:10 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	1000	990	99	1000	1000	100	1	14	38	172
Benzene	1300	1000	2200	90	1000	2200	90	0	11	66	134
Chlorobenzene	ND	1000	990	99	1000	990	99	0	13	67	115
Toluene	170	1000	1100	93	1000	1200	103	10	13	59	125
Trichloroethene	ND	1000	1100	110	1000	1000	100	10	14	61	134

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
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* - Recovery Outside Advisable QC Limits

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Iron, Ferrous
Method: M3500-Fe D

WorkOrder: 01010085
Lab Batch ID: R27254

Method Blank

RunID: WET_010105D-524824 Units: mg/L
Analysis Date: 01/05/2001 11:00 Analyst. SN

Analyte	Result	Rep Limit
Iron, Ferrous	ND	0.10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010085-01E	MW-5
01010085-02E	MW-6
01010085-04E	MW-1
01010085-05E	MW-4

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

Sample Spiked: 01010085-04
RunID: WET_010105D-524828 Units: mg/L
Analysis Date: 01/05/2001 11:00 Analyst: SN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Iron, Ferrous	ND	1	0.91	90.9	1	0.88	88.1	3.12	20	80	120

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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

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Nitrate Nitrogen (as N), Total
Method: E353.2

WorkOrder: 01010085
Lab Batch ID: R27316

Method Blank

RunID: WET_010105M-525596 Units: mg/L
Analysis Date: 01/05/2001 12:46 Analyst: CV

Analyte	Result	Rep Limit
Nitrogen,Nitrate (As N)	ND	0.10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010085-01C	MW-5
01010085-02C	MW-6
01010085-04C	MW-1
01010085-05C	MW-4

Laboratory Control Sample (LCS)

RunID: WET_010105M-525599 Units: mg/L
Analysis Date: 01/05/2001 12:46 Analyst: CV

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen,Nitrate (As N)	5	4.84	97	80	120

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

Sample Spiked: 01010085-01
RunID: WET_010105M-525601 Units: mg/L
Analysis Date: 01/05/2001 12:46 Analyst: CV

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen,Nitrate (As N)	ND	5	5.26	105	5	5.24	105	0.400	20	80	120

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.

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Quality Control Report

McCulley, Frick & Gilman, Inc.

Hertz-Oakland #030062 (2)

Analysis: Sulfate, Total
Method: E375.4

WorkOrder: 01010085
Lab Batch ID: R27331

Method Blank

RunID: WET_010108E-525838 Units: mg/L
Analysis Date: 01/08/2001 9:00 Analyst: SN

Analyte	Result	Rep Limit
Sulfate	ND	1.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010085-01D	MW-5
01010085-02D	MW-6
01010085-04D	MW-1
01010085-05D	MW-4

Laboratory Control Sample (LCS)

RunID: WET_010108E-525840 Units: mg/L
Analysis Date: 01/08/2001 9:00 Analyst: SN

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Sulfate	50	52.6	105	85	115

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

Sample Spiked: 01010085-01
RunID: WET_010108E-525842 Units: mg/L
Analysis Date: 01/08/2001 9:00 Analyst: SN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sulfate	ND	25	70	97.4	25	69	93.4	4.19	9.5	80	119

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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

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Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	01010085	Received by:	Estrada, Ruben
Date and Time Received:	1/5/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	3		

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

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01010085

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

MFG, INC.

COC No. 41797

☐ Arcata Office
1165 G Street, Suite E
Arcata, CA 95521-5817
Tel: (707) 826-8430
Fax. (707) 826-8437

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☐ Seattle Office
19203 36th Avenue
Suite 101
Lynnwood, WA 98036-5707
Tel. (425) 921-4000
Fax (425) 921-4040

☐ _____

PROJECT NO: 030062 (2) PROJECT NAME: Hertz Oakland PAGE: 1 OF: 2

SAMPLER (Signature): _____ PROJECT MANAGER: CBW DATE: 1/4/01

METHOD OF SHIPMENT: FED EX CARRIER/WAYBILL NO: 8204 1921 8180 DESTINATION: SPL-Houston

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SAMPLES

Field Sample Identification	Sample DATE	Sample TIME	Sample Matrix*	Preservation HCl	Preservation HNO_3	Preservation H_2SO_4	Preservation COLD	FILTRATION*	Containers VOLUME (ml/oz)	Containers TYPE*	Containers NO.
MW-5	1/4/01	1305	AQ	X			X	U	40	G	6
						X	X		500	G	1
							X		1000	P	1
				X			X		500	G	1
MW-6		1353		X			X		40	G	6
						X	X		500	G	1
							X		1000	P	1
				X			X		500	G	1
Trip Blank	—	—		X			X		40	G	2
Temperature Blank	—	—					X		40	G	1

TOTAL NUMBER OF CONTAINERS 21 ~~20~~

ANALYSIS REQUEST

Constituents/Method 8260 (BTEX + OX)	Constituents/Method TPHG (Purge)	Constituents/Method Nitrate	Constituents/Method Sulfate	Constituents/Method Ferrous Iron	Handling HOLD	Handling RUSH	Handling STANDARD	Remarks
X	X						X	
		X					X	
			X	~~X~~			X	**RUSH**
				X			X	
X	X						X	
		X					X	
			X				X	
				X			X	
X							X	

LABORATORY COMMENTS/CONDITION OF SAMPLES

Please Record Cooler Temp

Cooler Temp: 3

RELINQUISHED BY:

SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
	Steve Smith	MFG	1/4/01	1545

RECIEVED BY:

SIGNATURE	PRINTED NAME	COMPANY
—	—	FED EX
	ESTRADA	SPL
		LABORATORY

*KEY Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration F - filtered U - unfiltered

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CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

MFG, Inc.

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Fax: (425) 921-4040

☐

PROJECT NO: 030062 (2) PROJECT NAME: Hertz Oakland PAGE: 2 OF: 2

SAMPLER (Signature): [signature] PROJECT MANAGER: CBW DATE: 1/4/01

METHOD OF SHIPMENT: FED EX CARRIER/WAYBILL NO: 820419218180 DESTINATION: SPL- Houston

Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.	8260 (BTEX only)	TPH-G	Nitrate	Sulfate	Ferrous Iron	HOLD	RUSH	STANDARD	Remarks
	SAMPLES: Sample			Preservation						Containers			ANALYSIS REQUEST: Constituents/Method					Handling			
MW-1	1/4/01	1200	AQ	X			X		U	40	G	3	X							X	RECEIVED JAN 18 2001 MFG, Inc.
↓	↓		↓	X			X		↓	40	G	3		X						X	
↓	↓		↓			X	X		↓	500	G	1			X					X	
↓	↓		↓				X		↓	1000	P	1				X				X	
↓	↓	↓	↓	X			X		↓	500	G	1					X			X	
MW-4	↓	1430	↓	X			X		↓	40	G	3	X							X	
↓	↓	↓	↓	X			X		↓	40	G	3		X						X	
↓	↓	↓	↓			X	X		↓	500	G	1			X					X	
↓	↓	↓	↓				X		↓	1000	P	1				X				X	
↓	↓	↓	↓	X			X		↓	500	G	1					X			X	

TOTAL NUMBER OF CONTAINERS: 18

LABORATORY COMMENTS/CONDITION OF SAMPLES:

Cooler Temp:

RELINQUISHED BY: SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	RECIEVED BY: SIGNATURE	PRINTED NAME	COMPANY
[signature]	Steve Smith	MFG	1/4/01	1545	—	—	FED EX
					[signature]	ESTRADA	SPL LABORATORY

*KEY Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

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