



**CENDANT**  
Car Rental Group

R02825

May 23, 2006

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda County, California 94502

Alameda County  
MAY 25 2006  
Environmental Health

10:11:11 AM 5/23/06

Subject: Preliminary Soil and Groundwater Investigation Report  
Avis Rent A Car System, Inc. Facility  
3956 Old Santa Rita Road, Pleasanton, California

Dear Mr. Wickman:

Enclosed with this letter is a report prepared by MFG, Inc. documenting the preliminary soil and groundwater investigation at the above referenced site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Very truly yours,

Rose Pelino, PE  
Director Environmental Affairs  
Corporate Facilities

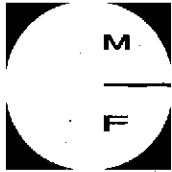
Enclosure

cc: Chris White, MFG, Inc.



Cendant Car Rental Group, Inc.  
6 Sylvan Way • Parsippany, New Jersey 07054  
Tel: (973) 496-5700





G

consulting  
scientists and  
engineers

R02825

MFG, Inc.  
A TETRA TECH COMPANY  
180 Howard Street, Suite 200  
San Francisco, CA 94105  
415/495-7110  
Fax: 415/495-7107

May 23, 2006  
MFG Project No. 030245.2

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda County, California 94502

**Subject: Preliminary Soil and Groundwater Investigation Report  
Avis Rent A Car System, Inc. Facility  
3956 Old Santa Rita Road, Pleasanton, California**

Alameda County  
Environmental Health Services  
MAY 25 2006

Dear Mr. Wickman:

MFG, Inc. has prepared this report documenting the preliminary soil and groundwater investigation performed at the Avis Rent A Car System, Inc. (Avis) facility located at 3956 Old Santa Rita Road in Pleasanton, California (hereinafter the "Site"). The location of the Site is illustrated in Figure 1. This report has been prepared by MFG on behalf of Avis, in response to the letter from the Alameda County Environmental Health Services (ACEHS) to Cendant Car Rental Group, Inc. (CCRG), dated November 8, 2005 (ACEHS, 2005). The investigation was performed in general accordance with MFG's work plan, dated January 18, 2006 (MFG, 2006), and the modifications to the work plan requested by the ACEHS in its work plan approval letter to CCRG, dated January 26, 2006 (ACEHS, 2006).

**SITE BACKGROUND**

Closure of the underground storage tank (UST) system at the Site was conducted between August 21 and September 12, 2003. The closed UST system consisted of a 6,000-gallon, double-walled, fiberglass UST and the associated product piping and dispenser. MTBE, ethanol and total lead were detected in confirmation soil samples from the bottom, fill end of the UST excavation at concentrations of 0.010, 1.9 and 5.3 milligrams per kilogram (mg/kg), respectively. The only target analyte present in the soil confirmation sample collected from the dispenser area was total lead at a concentration 10 mg/kg. The concentrations of total lead detected in the soil samples are considered indicative of background conditions. The analytical results for the August 2003 confirmation soil samples from the UST and dispenser excavations are included in Table 1. During the UST removal confirmation sampling, no groundwater was encountered in the bottom of the excavation at its maximum depth of 13.5 feet below ground level (bgl).

The UST system closure activities are documented in the report prepared by MFG entitled *Underground Storage Tank System Closure Report* and dated November 21, 2003 (MFG, 2003). Note that the UST that had been utilized by Avis at this facility until its removal in August 2003, had been registered and permitted under the address of 4390 Rosewood Drive.

## INVESTIGATION METHOD AND RESULTS

### **Field Methods**

On February 21, 2006, MFG advanced two borings to investigate soil and groundwater quality in the vicinity of the former gasoline UST pit at the Site. Prior to performing the work, a drilling permit for the borings was obtained from the Zone 7 Water Agency. A copy of the drilling permit is provided in Attachment A. The required advance notification to Underground Service Alert was made prior to drilling, and a private utility locating service was used during the investigation to mark underground utilities in the area of the borings.

Two borings were advanced at the Site by Precision Sampling, Inc. of Richmond, California. Borings were advanced with a limited access direct-push drill rig using dual-casing methods with 3-foot long sample drives. Boring DP-1 was advanced approximately 10 feet southwest of the former UST pit. Boring DP-2 was advanced in the approximate center of the former UST pit. The surface pavement at each boring location was cored prior to the start of drilling activities. The locations of the borings are shown in Figure 2

The soil encountered during drilling activities at boring DP-1 and DP-2 was described in the field for lithologic classification, color and moisture content in accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Description and Identification of Soils (Visual-Manual Procedure) D 2488-00 (ASTM, 2000). Indications of contamination, including observations regarding staining, if any, were noted in the field on a boring log. The boring logs are included in Attachment B.

The subsurface soil encountered in boring DP-1 consisted of clayey sand from the bottom of the asphalt pavement to a depth of approximately 9.5 feet bgl, and underlying clay strata from approximately 9.5 to 34 feet bgl, the maximum depth investigated. In boring DP-2, pea-gravel backfill was encountered from beneath the concrete pavement to a depth of approximately 16 feet bgl. Beneath the pea-gravel backfill, clay strata was encountered to approximately 34 feet bgl, the maximum depth investigated. A log of each boring is provided in Attachment B. The clay material encountered at the Site was generally dry to a depth of approximately 27 feet bgl, and moist between approximately 27 and 31.5 feet bgl. The first saturated soil was encountered in both borings at a depth of approximately 31.5 feet bgl.

Headspace measurements of soil for selected intervals were made in the field using a Thermo-Environmental Instruments Model 580B portable photoionization detector (PID). The PID was calibrated using a 100 parts per million by volume (ppmv) isobutylene gas standard. The response factor of the PID was set such that the instrument would read in ppmv as isobutylene. To prepare the soil for headspace measurements, the soil was placed in a sealable plastic bag, the bag was sealed, and then the soil was broken up and agitated. The soil remained undisturbed in the sealed bag for approximately 10 minutes, was agitated again, and then the PID probe was inserted into the bag. The highest PID reading was recorded for each selected soil interval and noted on the boring log (Attachment B). The PID readings from headspace measurements of the soil ranged from 0 to 1.3 ppmv.

A soil sample was collected from each boring immediately above the top of the saturated zone and an additional sample was collected from boring DP-2 at the depth interval of approximately 26 to 26.5 feet

bgl, where a PID reading of 1.3 ppmv was measured. The depth intervals and corresponding PID readings for the soil samples are presented in Table 1. Each sample from these selected depth intervals was transferred from the drive sampler into an 8-ounce glass jar. The jars were closed with Teflon-lined caps and sealed with duct tape. The sample jars were labeled, placed into sealable plastic bags, and immediately placed in an ice-cooled, insulated chest for transport to the laboratory. 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 Attachment C.

Following completion of soil sampling in each boring, a temporary 1-inch diameter well consisting 10 feet of screened casing and 25 feet of blank casing was placed to the bottom of the boring and the outer drive casing was withdrawn approximately 10 feet. Groundwater rose to approximately 15 to 16 feet bgl in each boring. A groundwater grab sample was collected from each boring using a new disposable bailer. The groundwater grab sample from each boring was placed into the following laboratory-supplied sample containers: three 40-milliliter (ml) glass vials preserved with hydrochloric acid and one 500-ml plastic bottle preserved with nitric acid. The samples were not filtered prior to being placed into the sample containers. After filling, the sample containers were sealed with Teflon®-lined screw caps and 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 C. The groundwater grab sample collected from boring DP-1, but not submitted to the lab for analysis.

Reusable drilling and sampling equipment was decontaminated before and after use by washing in a laboratory-grade detergent solution and then triple rinsing with distilled water. Soil cuttings and decontamination wash water generated during drilling were placed in two 5-gallon, Department of Transportation (DOT)-approved steel pails that were sealed and labeled. The pails containing the soil cuttings and waste water were transported by Precision Sampling to its facility in Richmond, California for temporary storage, and were subsequently disposed of in accordance with applicable regulations.

At the conclusion of soil sampling activities, borings were backfilled with cement-bentonite grout from the bottom of the boring using a tremie pipe to approximately six inches bgl. The top six inches of each boring was surfaced to match the surrounding pavement.

### **Analytical Methods**

The three soil samples and one groundwater grab sample were submitted for chemical analysis to Severn Trent Laboratories (STL) of Pleasanton, California, an analytical laboratory certified by the California Department of Health Services (DHS). The samples were analyzed for the following parameters:

- TPPH as gasoline using EPA Method 8260B;
- Benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8260B;
- Fuel oxygenates including methyl tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), tertiary-amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), and ethanol using EPA Method 8260B; and

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May 23, 2006  
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- Total lead using EPA Method 6010B.

The samples were received by the laboratory within the appropriate temperature range and the analyses were performed within the required holding time. Copies of the laboratory reports and chain-of custody records are provided in Attachment C.

### **Analytical Results**

The chemical analysis results for the three soil samples are summarized in Table 1. TPHH as gasoline, BTEX, fuel oxygenates MTBE, TBA, TAME, DIPE, ETBE and ethanol were not detected at or above their respective laboratory reporting limits in any of the three soil samples. Total lead was detected in each of the three soil samples at concentrations ranging from 3.7 and 4.6 mg/kg.

The chemical analysis results for the groundwater grab sample are summarized in Table 2. TPHH as gasoline, BTEX, fuel oxygenates MTBE, TBA, TAME, DIPE, ETBE and ethanol were not detected in the groundwater grab sample at concentrations at or above the respective laboratory reporting limits. Total lead was detected in the groundwater grab sample at a concentration of 0.025 milligrams per liter (mg/L).

The analytical results will be submitted to the California State Water Resources Control Board (SWRCB) Geotracker database in electronic data format (EDF) under the Site's global identification number.

### **SUMMARY AND CONCLUSIONS**

On February 21, 2006, MFG advanced two borings to investigate soil and groundwater quality in the vicinity of the former gasoline UST excavation at the Site. Boring DP-1 was advanced approximately 10 feet southwest of the former UST excavation (Figure 2). A soil sample was collected for chemical analysis from directly above the saturated zone at the depth interval of approximately 30 to 31.5 feet bgl. Boring DP-2 was advanced in the approximate center of the former UST excavation (Figure 2). Soil samples from boring DP-2 were collected for chemical analysis at the depth intervals of approximately 26.5 to 27 feet bgl and 31.5 to 32 feet bgl. These three soil samples were submitted to STL for chemical analysis.

The subsurface soils encountered below the depth of the bottom of the backfilled UST excavation consisted of clayey strata to the depth investigated (approximately 34 feet bgl). The clay strata were described by the field geologist as dry to a depth of approximately 27 feet bgl and moist between approximately 27 and 31.5 feet bgl. Saturated soil was first encountered at a depth of approximately 31.5 feet in each boring. A temporary well casing was placed into each boring and groundwater rose to approximately 15 to 16 feet bgl in each boring. A groundwater grab sample was collected from boring DP-2 using a disposable bailer as submitted to STL for chemical analysis.

None of the soil samples contained TPHH as gasoline, BTEX, or the fuel oxygenates MTBE, TBA, TAME, DIPE, ETBE or ethanol at concentrations above the laboratory reporting limits (Table 1).

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Detectable concentrations of total lead were present in the three soil samples at concentrations ranging from 3.7 to 4.6 mg/kg. These concentrations are within the range of background concentrations of lead in soil.

The groundwater grab sample from directly beneath the UST excavation did not contain TPPH as gasoline, BTEX, or the fuel oxygenates MTBE, TBA, TAME, DIPE, ETBE or ethanol at concentrations above the laboratory reporting limits (Table 2). Total lead was detected in the groundwater grab sample at a concentration of 0.025 mg/L, above the laboratory reporting limit of 0.005 mg/L. The detection of lead in the groundwater grab sample is likely a result of the presence of lead in suspended soil particles in the groundwater grab sample, as the groundwater grab sample was not filtered. Since the results of the soil sample analyses, including those for total lead, do not indicate that a release has impacted the underlying soil at the Site, the presence of total lead in the groundwater grab sample is not considered to be an indication of a release from the former UST system at the Site.

#### **RECOMMENDATIONS**

Based on the results of the preliminary soil and groundwater investigation at the Site, MFG recommends that the Site be evaluated for case closure by the ACEHS.

#### **REFERENCES CITED**

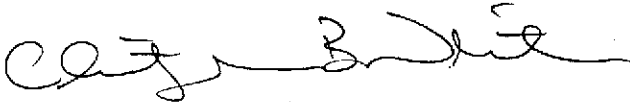
- Alameda County Environmental Health Services (ACEHS), 2005. *Letter to Rose Pelino of Cendant Car Rental Group, Inc., Subject – Fuel Leak Case No. RO0002825, Avis Rent A Car Pleasanton, CA – Request for Work Plan.* November 8.
- Alameda County Environmental Health Services (ACEHS), 2006. *Letter to Rose Pelino of Cendant Car Rental Group, Inc., Subject – Fuel Leak Case No. RO0002825, Avis Rent A Car Pleasanton, CA – Work Plan Approval.* January 26.
- MFG, Inc., 2003. *Underground Storage Tank System Closure Report, Avis Rent A Car System, Inc. Facility, 3956 Old Santa Rita Road, Pleasanton, California.* November 21.
- MFG, Inc., 2006. *Work Plan for Preliminary Soil and Groundwater Investigation, Avis Rent A Car System, Inc. Facility, 3956 Old Santa Rita Road, Pleasanton, California.* January 18.

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Alameda County Environmental Health Services  
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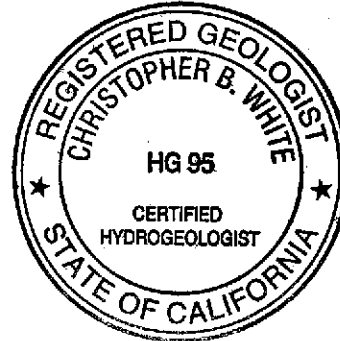
Please do not hesitate to contact me if you have questions about this report or require further information.

Sincerely yours,

MFG, INC.



Christopher B. White, C.H.G.  
Senior Hydrogeologist



Attachments: Table 1 – Summary of Chemical Analyses of Soil Samples for TPPH, BTEX, Fuel Oxygenates, Total Lead and PID Field Readings  
Table 2 – Summary of Chemical Analyses of Groundwater Samples for TPPH, BTEX, Fuel Oxygenates and Total Lead  
Figure 1 – Site Location Map  
Figure 2 – Site Plan Showing Boring Locations  
Attachment A – Drilling Permit  
Attachment B – Boring Logs  
Attachment C – Laboratory Reports and Chain of Custody Records

cc: Rose Pelino, Cendant Car Rental Group, Inc.  
Charles and Callie Hinkston

TABLE 1

SUMMARY OF CHEMICAL ANALYSES OF SOIL SAMPLES FOR TPPH, BTEX, FUEL OXYGENATES, TOTAL LEAD AND PID FIELD READINGS

Avis Rent A Car Facility  
3956 Old Santa Rita Road  
Pleasanton, California

SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	SAMPLE DEPTH (feet bgl)	TPPH AS GASOLINE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	FUEL OXYGENATES						TOTAL LEAD <sup>1</sup> (mg/kg)	PID FIELD READING (ppmv)
									MTBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	ETHANOL (mg/kg)		
<b>UST SYSTEM CLOSURE SAMPLING (August 2003)</b>																
EX-W	21-Aug-03	UST excavation bottom western end	13.5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.010	< 0.0050	< 0.0050	< 0.010	< 0.0050	1.9	5.3	0.0
EX-E	21-Aug-03	UST excavation bottom eastern end	13.5	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.50	3.8	0.0
EX-D	21-Aug-03	Dispenser excavation bottom	2.0	< 1.0	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.50	10	0.0
<b>PRELIMINARY SOIL INVESTIGATION (February 2006)</b>																
DP-1 (31.5)	21-Feb-06	10 feet SW of former UST excavation	31.0 - 31.5	< 0.990	< 0.0049	< 0.0049	< 0.0049	< 0.0099	< 0.0049	< 0.0099	< 0.0049	< 0.0049	< 0.0049	< 0.490	3.7	0.0
DP-2 (26.5)	21-Feb-06	Center of former UST Excavation	26.5 - 27.0	< 0.870	< 0.0044	< 0.0044	< 0.0044	< 0.0087	< 0.0044	< 0.0087	< 0.0044	< 0.0044	< 0.0044	< 0.440	4.5	1.3
DP-2 (31.5)	21-Feb-06	Center of former UST Excavation	31.5 - 32.0	< 0.870	< 0.0044	< 0.0044	< 0.0044	< 0.0087	< 0.0044	< 0.0087	< 0.0044	< 0.0044	< 0.0044	< 0.440	4.6	0.0

NOTES:

- TPPH Total purgeable petroleum hydrocarbons. Analyzed using modified EPA Method 8260B and quantified against gasoline standard.
- BTEX Benzene, toluene, ethylbenzene and total xylenes. Analyzed using EPA Method 8260B.
- MTBE Methyl tertiary-butyl ether. Analyzed as above.
- TBA Tertiary-butyl alcohol (tert-butanol). Analyzed as above.
- TAME Tertiary amyl methyl ether. Analyzed as above.
- DIPE Di-isopropyl ether. Analyzed as above.
- ETBE Ethyl tertiary-butyl ether. Analyzed as above.
- PID Photoionization detector. Headspace measurements were obtained using a PID with a 10.6 eV lamp and calibrated to isobutylene gas standard: 96 ppmv standard used in August 2003; 100 ppmv standard used in February 2006.
- bgl Below ground level.
- mg/kg Milligrams per kilogram.
- ppmv Parts per million by volume.
- UST Underground storage tank.
- < 0.1.0 Not detected at or above the laboratory reporting limit indicated.
- 1 Total lead analyzed using EPA Method 6010B.



TABLE 2

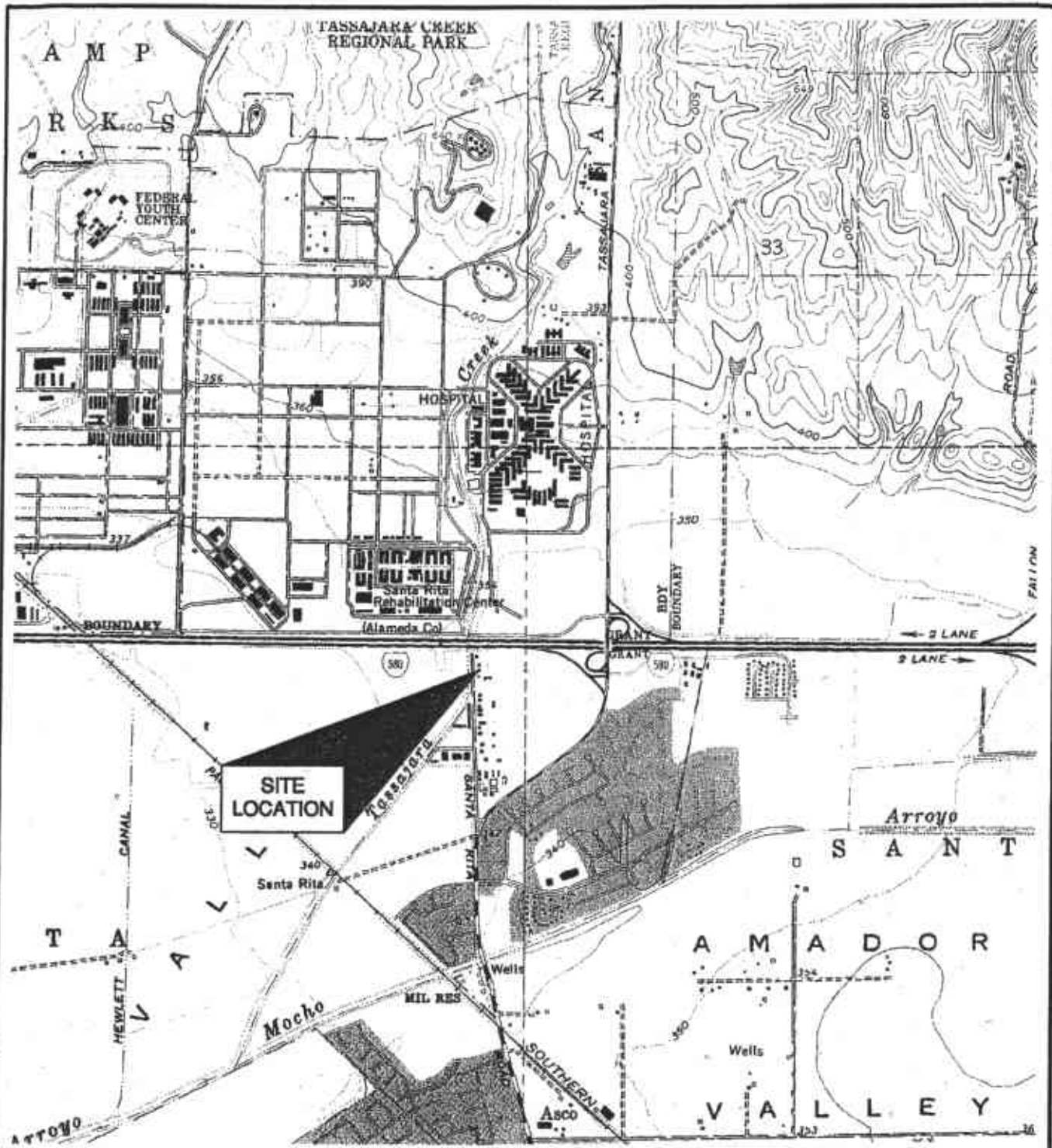
SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER GRAB SAMPLES FOR TPPH, BTEX, FUEL OXYGENATES AND TOTAL LEAD

Avis Rent A Car Facility  
 3956 Old Santa Rita Road  
 Pleasanton, California

SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	TPPH AS GASOLINE (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL-BENZENE (µg/L)	TOTAL XYLENES (µg/L)	FUEL OXYGENATES					TOTAL LEAD <sup>1</sup> (mg/L)	
								MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	DIPE (µg/L)	ETBE (µg/L)		ETHANOL (µg/L)
DP-2 (GW)	21-Feb-06	Center of former UST Excavation	< 50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 5.0	< 0.50	< 1.0	< 0.50	< 100	0.025

NOTES:

- TPPH Total purgeable petroleum hydrocarbons. Analyzed using modified EPA Method 8260B and quantified against gasoline standard.
- BTEX Benzene, toluene, ethylbenzene and total xylenes. Analyzed using EPA Method 8260B.
- MTBE Methyl tertiary-butyl ether. Analyzed as above.
- TBA Tertiary-butyl alcohol (tert-butanol). Analyzed as above.
- TAME Tertiary amyl methyl ether. Analyzed as above.
- DIPE Di-isopropyl ether. Analyzed as above.
- ETBE Ethyl tertiary-butyl ether. Analyzed as above.
- µg/L Micrograms per liter.
- mg/L Milligrams per liter.
- UST Underground storage tank.
- < 50 Not detected at or above the laboratory reporting limit indicated.
- 1 Total lead analyzed using EPA Method 6010B.



SOURCE: USGS DUBLIN AND LIVERMORE, CALIFORNIA 7.5-MINUTE QUADRANGLE MAPS 1961, PHOTOREVISED 1980.



APPROXIMATE SCALE



**Figure 1  
Site Location Map**

**Avis Rent A Car System, Inc.  
3956 Old Santa Rita Road  
Pleasanton, CA 94588**

PROJECT: 030245 | DATE: 9/23/03  
REV: | BY: MAH | CHECKED: cfw

**MFG, Inc.**  
consulting scientists and engineers

Date: 10/03/2003 File: P:\Users\james\Documents\mfg\mfg.dwg

ROSEWOOD DRIVE

(430 ROSEWOOD DRIVE)

OLD SANTA RITA ROAD

HUMMER DEALERSHIP

FORMER DISPENSER LOCATION

FORMER UST EXCAVATION LOCATION

DP-1 x

x DP-2

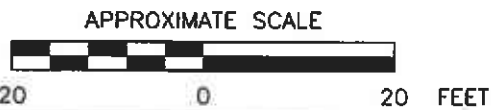
AVIS SERVICE BUILDING

(3956 OLD SANTA RITA ROAD)

AVIS PARKING LOT AREA

**LEGEND:**

x BORING LOCATION AND DESIGNATION  
DP-2



**FIGURE 2  
Site Plan Showing  
Boring Locations**

**Avis Rent A Car System, Inc.  
3956 Old Santa Rita Road  
Pleasanton, CA 94588**

PROJECT: 030245	DATE: 4/19/06
REV:	BY: JST CHECKED: CBW

**MFG, Inc.**  
*consulting scientists and engineers*



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 3956 Old Santa Rita Rd.  
Pleasanton, California

PERMIT NUMBER 26031  
WELL NUMBER \_\_\_\_\_  
APN 946-1100-004

California Coordinates Source \_\_\_\_\_ ft. Accuracy \_\_\_\_\_ ft.  
CCN \_\_\_\_\_ ft. GCE \_\_\_\_\_ ft.  
APN 946-1100-004

### PERMIT CONDITIONS

(Circled Permit Requirements Apply)

CLIENT  
Name Avis Rent A Car System, Inc.  
Address 6 Sylvan Way Phone (925) 496-3447  
City Parsippany, NJ Zip 07054

- (A) GENERAL
  1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
  2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
  3. Permit is void if project not begun within 90 days of approval date.

APPLICANT  
Name MFG, Inc. Fax (415) 495-2107  
Address 180 Howard St. Ste 200 Phone (415) 495-7110  
City San Francisco Zip 94105

- B. WATER SUPPLY WELLS
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
  3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
  4. A sample port is required on the discharge pipe near the wellhead.

<b>TYPE OF PROJECT</b>	Geotechnical Investigation
Well Construction	General
Cathodic Protection	Contamination
Water Supply	Well Destruction
Monitoring	

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

<b>PROPOSED WELL USE</b>	Irrigation
New Domestic	Remediation
Municipal	Groundwater Monitoring
Industrial	Other <u>N/A</u>
Dewatering	

- (D) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

**DRILLING METHOD:**  
Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Hollow Stem Auger \_\_\_\_\_  
Cable Tool \_\_\_\_\_ Direct Push \_\_\_\_\_ Other \_\_\_\_\_

- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

**DRILLING COMPANY** Precision Sampling Inc.  
**DRILLER'S LICENSE NO.** 636387

- (G) WELL DESTRUCTION. See attached.  
SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

<b>WELL PROJECTS</b>	Drill Hole Diameter _____ in.	Maximum _____
	Casing Diameter _____ in.	Depth _____ ft.
	Surface Seal Depth _____ ft.	Number _____

<b>OIL BORINGS</b>	Number of Borings <u>2</u>	Maximum _____
	Hole Diameter <u>4.0</u> in.	Depth <u>30</u> ft.

**ESTIMATED STARTING DATE** 2/21/06  
**ESTIMATED COMPLETION DATE** 2/21/06

Approved Wyman Hong Date 2/7/06  
Wyman Hong

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 79-68.

**APPLICANT'S SIGNATURE** Chris White Date 2-3-06

ATTACH SITE PLAN OR SKETCH

## ABBREVIATIONS / SYMBOLS USED IN BORING LOGS

### GENERAL

PID - Photoionization Detector  
OVM - Organic Vapor Meter  
ppmv - parts per million by volume  
sfc csg - surface casing  
USCS - United Soil Classification System  
NGVD - National Geodetic Vertical Datum of 1929  
NAVD - North American Vertical Datum of 1988  
NA - Not Analyzed

slt - slight or slightly  
bgl - below ground level  
TOC - top of casing  
DTW - depth to water

### COLORS

v - very  
lt - light  
dk - dark  
yel - yellow/yellowish  
brn - brown/brownish  
red-brn - reddish brown  
a.a. - as above  
(10YR 4/6) - Munsell notation  
(hue value/chroma)

### SAND GRAIN SIZE

VF - Very Fine  
F - Fine  
Med - Medium  
Crs - Coarse

### DENSITY / STIFFNESS

Med - Medium  
V - Very

### GEOLOGICAL CONTACTS

———— - Observed Contact  
----- - Inferred Contact

### GEOTECHNICAL

L.L. - Liquid Limit in percent  
P.I. - Plasticity Index in percent  
K - Vertical Hydraulic Conductivity  
(permeability) in cm/sec

### MOISTURE CONTENT

▼ - Observed top of saturated  
soil interval

### NOTE:

Field soil logging procedures were performed in accordance with ASTM D-2488-00 (Visual-Manual Procedure).

### EXPLANATION FOR BORING LOGS

**MFG, Inc.**  
consulting scientists and engineers



# MFG, Inc.

consulting scientists and engineers

## LOG OF BORING DP-1

(Page 1 of 1)

Avis Rent A Car System, Inc.  
3956 Old Santa Rita Road  
Pleasanton, California

Drilling Agency	: Precision Sampling	Ground Elevation	: Not Surveyed
Drilling Method	: Direct-push (hydraulic hammer)	Logged By	: Jason Triolo
Drill Bit Size	: 4-inch O.D. Steel Drive Casing	Reviewed By	: Christopher White, CH.G.
Sampler Type	: 2-inch O.D., 36-inch long Drive Sampler		
Sampling Method	: 1.75-inch O.D., 36-inch long PVC Liners		

MFG Project No. 030245

Date Started: 21-Feb-06  
Date Finished: 21-Feb-06

Depth in Feet	DESCRIPTION	USCS	Sample Interval	Sample Recovery (inches)	REMARKS
0	ASPHALT				
1	CLAYEY SAND: v dk grayish brn (10YR 3/2); F sand, some clay, dry.	SC	1	18	PID calibrated using 98 ppmv as isobutylene. Hand augered to 4.0 feet bgl.
2			2	18	
3			3	22	
4	-little clay, F to Med sand, moist.	CL	4	36	PID = 0.0 ppmv (10.0 to 10.5 feet bgl).
5			5	36	
6			6	36	
7			7	36	
8	CLAY: gray (10YR 4/2); little F sand, moist.	CL	8	36	PID = 0.0 ppmv (12.5 to 13.0 feet bgl).
9			9	36	
10			10	36	
11	CLAY: v dk grayish brn (10YR 3/2); few silt, trace sand, dry.	CL	11	36	PID = 0.0 ppmv (30.0 to 30.5 feet bgl). Collected soil sample DP-1(31.5) at 31.0 to 31.5 feet bgl.
12			12	36	
13			13	36	
14			14	36	
15	CLAY: grayish brn (10Y 5/2); little silt, moist.	CL	15	36	
16			16	36	
17	-wet.	CL	17	36	
18			18	36	
19	-few F to Med. sand and gravel.	CL	19	36	
20			20	36	



Cement/  
Bentonite Grout

### NOTES:

- Boring completed at 34 feet bgl.
- Temporary 1.0-inch diameter PVC well consisting of 10 feet of screen and 25 feet of blank casing installed in boring; outer drive casing was withdrawn approximately 10 feet.
- Measured depth to water in the temporary well was approximately 15.4 feet bgl.
- Collected grab groundwater sample DP-1(GW) from temporary well using a peristaltic pump and dedicated polyethylene tubing on 21-Feb-06.
- Temporary well was removed and the boring sealed with cement / bentonite grout on 21-Feb-06.

04-26-2006 [U030245]Task 2[Boring Logs]DP-1.BOR



# MFG, Inc.

consulting scientists and engineers

## LOG OF BORING DP-2

(Page 1 of 1)

Avis Rent A Car System, Inc.  
3956 Old Santa Rita Road  
Pleasanton, California

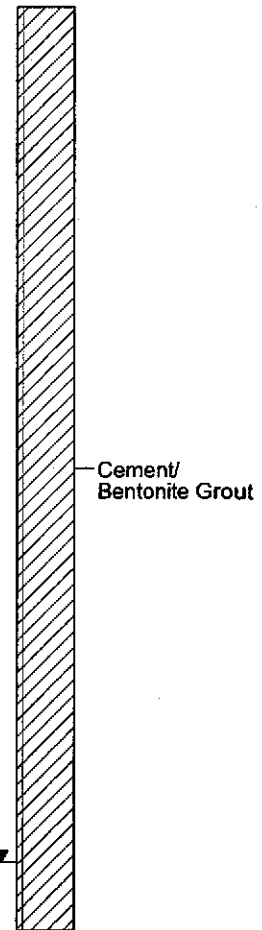
Drilling Agency	: Precision Sampling	Ground Elevation	: Not Surveyed
Drilling Method	: Direct-push (hydraulic hammer)	Logged By	: Jason Triolo
Drill Bit Size	: 4-inch O.D. Steel Drive Casing	Reviewed By	: Christopher White, CH.G.
Sampler Type	: 2-inch O.D., 36-inch long Drive Sampler		
Sampling Method	: 1.75-inch O.D., 36-inch long PVC Liners		

MFG Project No. 030245

Date Started: 21-Feb-06  
Date Finished: 21-Feb-06

Depth in Feet	DESCRIPTION	USCS	Sample Interval	Sample Recovery (inches)	REMARKS
---------------	-------------	------	-----------------	--------------------------	---------

0	CONCRETE				
1	PEA-GRAVEL: Backfill in former UST pit; UST removed on August 21, 2003; backfilled September 12, 2003.	GW	1	2	PID calibrated using 98 ppmv as isobutylene. Hand augered to 4.0 feet bgl.
2			2		
3			2		
4			2		
5			0		
6	CLAY: v dk grayish brn (10YR 3/2); few silt, trace sand, dry.	CL	6	36	PID = 0.0 ppmv (16.0 to 16.5 feet bgl).
7			36		
8			36		
9			36		
10	CLAY: grayish brn (10RY 5/2); little silt, moist.	CL	10	22	PID = 1.3 ppmv (26.0 to 26.5 feet bgl). Collected soil sample DP-2(26.5) at 26.5 to 27.0 feet bgl.
11			22		
12			27		
13	-wet.				PID = 0.0 ppmv (31.0 to 31.5 feet bgl). Collected soil sample DP-2(31.5) at 31.5 to 32.0 feet bgl.
14	-few F to Med. sand and gravel.				



### NOTES:

- Boring completed at 34 feet bgl.
- Temporary 1.0-inch diameter PVC well consisting of 10 feet of screen and 25 feet of blank casing installed in boring; outer drive casing was withdrawn approximately 10 feet.
- Measured depth to water in the temporary well was approximately 15.6 feet bgl.
- Collected grab groundwater sample DP-2(GW) from temporary well using a peristaltic pump and dedicated polyethylene tubing on 21-Feb-06.
- Temporary well was removed and the boring sealed with cement / bentonite grout on 21-Feb-06.

05-24-2006 J:\030245\Task 2\Boring Logs\DP-2.BOR

**ATTACHMENT C**

**Laboratory Reports and Chain of Custody records**



**ANALYTICAL REPORT**

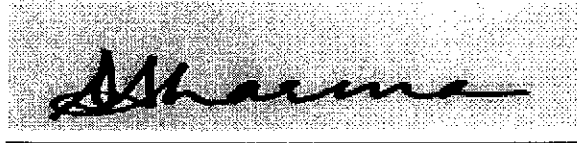
Job Number: 720-2201-1

Job Description: Avis Pleasanton

For:

MFG, Inc.  
180 Howard Street  
Suite 200  
San Francisco, CA 94105-1633

Attention: Mr. Chris White



Dimple Sharma  
Project Manager I  
dsharma@stl-inc.com  
03/03/2006

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**MFG, Inc.**

## METHOD SUMMARY

Client: MFG, Inc.

Job Number: 720-2201-1

Description	Lab Location	Method	Preparation Method
-------------	--------------	--------	--------------------

Matrix: Solid

Volatiles Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap for Solids	STL-SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL-SF		SW846 3050B

### LAB REFERENCES:

STL-SF = STL-San Francisco

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

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**MFG, Inc.**

# SAMPLE SUMMARY

Client: MFG, Inc.

Job Number: 720-2201-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-2201-1	DP-1 (31.5)	Solid	02/21/2006 1125	02/21/2006 1600
720-2201-2	DP-2 (26.5)	Solid	02/21/2006 1415	02/21/2006 1600
720-2201-3	DP-2 (31.5)	Solid	02/21/2006 1425	02/21/2006 1600

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**MFG, Inc.**

Analytical Data

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-1 (31.5)

Lab Sample ID: 720-2201-1

Client Matrix: Solid

Date Sampled: 02/21/2006 1125

Date Received: 02/21/2006 1600

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-6160

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200603\03

Dilution: 1.0

Initial Weight/Volume: 5.07 g

Date Analyzed: 03/02/2006 1639

Final Weight/Volume: 10 mL

Date Prepared: 03/02/2006 1639

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.9
Ethanol		ND		490
Ethylbenzene		ND		4.9
MTBE		ND		4.9
TAME		ND		4.9
Toluene		ND		4.9
Xylenes, Total		ND		9.9
TBA		ND		9.9
DIPE		ND		4.9
Gasoline Range Organics (GRO)-C5-C12		ND		990
Ethyl tert-butyl ether		ND		4.9
Surrogate		%Rec		Acceptance Limits
Toluene-d8		86		70 - 130
1,2-Dichloroethane-d4		81		60 - 140

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MFG, Inc.

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (26.5)

Lab Sample ID: 720-2201-2

Date Sampled: 02/21/2006 1415

Client Matrix: Solid

Date Received: 02/21/2006 1600

**8260B Volatile Organic Compounds by GC/MS**

Method: 8260B

Analysis Batch: 720-6160

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnwsl\data\200603\03

Dilution: 1.0

Initial Weight/Volume: 5.72 g

Date Analyzed: 03/02/2006 1705

Final Weight/Volume: 10 mL

Date Prepared: 03/02/2006 1705

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.4
Ethanol		ND		440
Ethylbenzene		ND		4.4
MTBE		ND		4.4
TAME		ND		4.4
Toluene		ND		4.4
Xylenes, Total		ND		8.7
TBA		ND		8.7
DIPE		ND		4.4
Gasoline Range Organics (GRO)-C5-C12		ND		870
Ethyl tert-butyl ether		ND		4.4
<b>Surrogate</b>		<b>%Rec</b>		<b>Acceptance Limits</b>
Toluene-d8		88		70 - 130
1,2-Dichloroethane-d4		85		60 - 140

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# Analytical Data

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (31.5)

Lab Sample ID: 720-2201-3

Client Matrix: Solid

Date Sampled: 02/21/2006 1425

Date Received: 02/21/2006 1600

## 8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-6160

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200603\03

Dilution: 1.0

Initial Weight/Volume: 5.72 g

Date Analyzed: 03/02/2006 1732

Final Weight/Volume: 10 mL

Date Prepared: 03/02/2006 1732

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.4
Ethanol		ND		440
Ethylbenzene		ND		4.4
MTBE		ND		4.4
TAME		ND		4.4
Toluene		ND		4.4
Xylenes, Total		ND		8.7
TBA		ND		8.7
DIPE		ND		4.4
Gasoline Range Organics (GRO)-C5-C12		ND		870
Ethyl tert-butyl ether		ND		4.4
Surrogate		%Rec		Acceptance Limits
Toluene-d8		89		70 - 130
1,2-Dichloroethane-d4		84		60 - 140

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-1 (31.5)

Lab Sample ID: 720-2201-1

Date Sampled: 02/21/2006 1125

Client Matrix: Solid

Date Received: 02/21/2006 1600

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B

Analysis Batch: 720-6026

Instrument ID: Varian ICP

Preparation: 3050B

Prep Batch: 720-6014

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.00 g

Date Analyzed: 02/28/2006 1334

Final Weight/Volume: 50 mL

Date Prepared: 02/28/2006 0739

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.7		1.0

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (26.5)

Lab Sample ID: 720-2201-2

Date Sampled: 02/21/2006 1415

Client Matrix: Solid

Date Received: 02/21/2006 1600

---

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B  
Preparation: 3050B  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1338  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.01 g  
Final Weight/Volume: 50 mL

---

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		4.5		0.99

---

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**MFG, Inc.**



**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (31.5)

Lab Sample ID: 720-2201-3

Date Sampled: 02/21/2006 1425

Client Matrix: Solid

Date Received: 02/21/2006 1600

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B

Analysis Batch: 720-6026

Instrument ID: Varian ICP

Preparation: 3050B

Prep Batch: 720-6014

Lab File ID: N/A

Dilution: 1.0

Date Analyzed: 02/28/2006 1342

Initial Weight/Volume: 1.00 g

Date Prepared: 02/28/2006 0739

Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		4.6		1.0

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**MFG, Inc.**

# DATA REPORTING QUALIFIERS

Client: MFG, Inc.

Job Number: 720-2201-1

Lab Section	Qualifier	Description
Metals	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits

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**MFG, Inc.**

## Quality Control Results

Client: MFG, Inc.

Job Number: 720-2201-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>				
<b>Analysis Batch:720-6160</b>				
LCS 720-6160/16	Lab Control Spike	Solid	8260B	
LCSD 720-6160/15	Lab Control Spike Duplicate	Solid	8260B	
MB 720-6160/17	Method Blank	Solid	8260B	
720-2201-1	DP-1 (31.5)	Solid	8260B	
720-2201-2	DP-2 (26.5)	Solid	8260B	
720-2201-3	DP-2 (31.5)	Solid	8260B	
<b>Metals</b>				
<b>Prep Batch: 720-6014</b>				
LCS 720-6014/2-A	Lab Control Spike	Solid	3050B	
LCSD 720-6014/3-A	Lab Control Spike Duplicate	Solid	3050B	
MB 720-6014/1-A	Method Blank	Solid	3050B	
720-2201-1	DP-1 (31.5)	Solid	3050B	
720-2201-2	DP-2 (26.5)	Solid	3050B	
720-2201-3	DP-2 (31.5)	Solid	3050B	
720-2259-A-1-B MS	Matrix Spike	Solid	3050B	
720-2259-A-1-C MSD	Matrix Spike Duplicate	Solid	3050B	
<b>Analysis Batch:720-6026</b>				
LCS 720-6014/2-A	Lab Control Spike	Solid	6010B	720-6014
LCSD 720-6014/3-A	Lab Control Spike Duplicate	Solid	6010B	720-6014
MB 720-6014/1-A	Method Blank	Solid	6010B	720-6014
720-2201-1	DP-1 (31.5)	Solid	6010B	720-6014
720-2201-2	DP-2 (26.5)	Solid	6010B	720-6014
720-2201-3	DP-2 (31.5)	Solid	6010B	720-6014
720-2259-A-1-B MS	Matrix Spike	Solid	6010B	720-6014
720-2259-A-1-C MSD	Matrix Spike Duplicate	Solid	6010B	720-6014

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**MFG, Inc.**

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2201-1

**Method Blank - Batch: 720-6160**

**Method: 8260B  
Preparation: 5030B**

Lab Sample ID: MB 720-6160/17  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1052  
Date Prepared: 03/02/2006 1052

Analysis Batch: 720-6160  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Ethanol	ND		500
Ethylbenzene	ND		5.0
MTBE	ND		5.0
TAME	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
TBA	ND		10
DIPE	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		1000
Ethyl tert-butyl ether	ND		5.0
<b>Surrogate</b>	<b>% Rec</b>	<b>Acceptance Limits</b>	
Toluene-d8	94	70 - 130	
1,2-Dichloroethane-d4	91	60 - 140	

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**MAR - 6 2006**

**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: MFG, Inc.

Job Number: 720-2201-1

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-6160**

**Method: 8260B  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-6160/16  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/02/2006 0959  
Date Prepared: 03/02/2006 0959

Analysis Batch: 720-6160  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\030  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-6160/15  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1026  
Date Prepared: 03/02/2006 1026

Analysis Batch: 720-6160  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\030  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	97	97	69 - 129	0	20		
MTBE	90	98	65 - 165	9	20		
Toluene	95	98	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	92		93		70 - 130		
1,2-Dichloroethane-d4	87		89		60 - 140		

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**MAR - 6 2006**

**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2201-1

**Method Blank - Batch: 720-6014**

**Method: 6010B  
Preparation: 3050B**

Lab Sample ID: MB 720-6014/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1302  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014  
Units: mg/Kg

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		1.0

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-6014**

**Method: 6010B  
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-6014/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1305  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014  
Units: mg/Kg

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-6014/3-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1330  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014  
Units: mg/Kg

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	93	84	80 - 120	10	20		

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**MAR - 6 2006**  
**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2201-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 720-6014**

**Method: 6010B  
Preparation: 3050B**

MS Lab Sample ID: 720-2259-A-1-B MS      Analysis Batch: 720-6026  
Client Matrix: Solid                      Prep Batch: 720-6014  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1350  
Date Prepared: 02/28/2006 0739

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.05 g  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-2259-A-1-C MSD      Analysis Batch: 720-6026  
Client Matrix: Solid                      Prep Batch: 720-6014  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1354  
Date Prepared: 02/28/2006 0739

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.03 g  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	63	62	75 - 125	1	20	*	*

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**MAR - 6 2006**

**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

37425

# MFG, Inc.

## CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

COC No. **44031**

Arcata Office  
1165 G Street, Suite E  
Arcata, CA 95521-5817  
Tel: (707) 828-8430  
Fax: (707) 826-8437

Boulder Office  
4900 Pearl East Circle  
Suite 300W  
Boulder, CO 80301-6118  
Tel: (303) 447-1823  
Fax: (303) 447-1836

Irvine Office  
17770 Cartwright Road  
Suite 500  
Irvine, CA 92614-5850  
Tel: (949) 253-2951  
Fax: (949) 253-2954

Osburn Office  
P.O. Box 30  
Wallace, ID  
83873-0030  
Tel: (208) 556-6811  
Fax: (208) 556-7271

San Francisco Office  
180 Howard Street, Suite 200  
San Francisco, CA 94105-1617  
Phone (415) 495-7110- FAX (415) 495-7107

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

PROJECT NO: 030245 PROJECT NAME: Avis Pleasanton PAGE: 1 OF: 1  
 SAMPLER (Signature): [Signature] PROJECT MANAGER: Chris White DATE: 2/21/06  
 METHOD OF SHIPMENT: Drop-off CARRIER/WAYBILL NO: \_\_\_\_\_ DESTINATION: STL Chromalabs

SAMPLES										ANALYSIS REQUEST									
Field Sample Identification	Sample			Preservation				FILTRATION*	Containers			Constituents/Method			Handling			Remarks	
	DATE	TIME	Matrix*	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	COLD		VOLUME (ml/oz)	TYPE*	NO.	8260B	BTEX	6010B/Lead	HOLD	RUSH	STANDARD		
DP-1 (31.5)	2/21/06	11:25	So				X		8oz	G	1	X	X	X			X	<b>RECEIVED</b> MAR - 6 2006 <b>MFG, Inc.</b>	
DP-2 (26.5)	2/21/06	14:15	So				X		8oz	G	1	X	X	X			X		
DP-2 (31.5)	2/21/06	14:25	So				X		8oz	G	1	X	X	X			X		
										TOTAL NUMBER OF CONTAINERS <u>3</u>			LABORATORY COMMENTS/CONDITION OF SAMPLES <u>* Cooler Temp: 5</u>						

RELINQUISHED BY:					RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	SIGNATURE	PRINTED NAME	COMPANY
<u>[Signature]</u>	<u>JT Niolo</u>	<u>MFG</u>	<u>2/21/06</u>	<u>1600</u>	<u>[Signature]</u>	<u>Joan Mulken</u>	<u>STL</u>
					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  
 DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

\*6010 = Lead  
 \*8260 = Bas/BTEX Foxy/Ethanol



## LOGIN SAMPLE RECEIPT CHECK LIST

Client: MFG, Inc.

Job Number: 720-2201-1

Login Number: 2201

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

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MAR - 6 2006  
MFG, Inc.

# ANALYTICAL REPORT


Job Number: 720-2202-1

Job Description: Avis Pleasanton

For:

MFG, Inc.  
180 Howard Street  
Suite 200  
San Francisco, CA 94105-1633

Attention: Mr. Chris White



Dimple Sharma  
Project Manager I  
dsharma@stl-inc.com  
03/03/2006

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**MFG, Inc.**

## METHOD SUMMARY

Client: MFG, Inc.

Job Number: 720-2202-1

Description	Lab Location	Method	Preparation Method
-------------	--------------	--------	--------------------

Matrix: Water

Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SF	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SF		SW846 3010A

### LAB REFERENCES:

STL-SF = STL-San Francisco

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

**RECEIVED**

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**MFG, Inc.**

### SAMPLE SUMMARY

Client: MFG, Inc.

Job Number: 720-2202-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
720-2202-2	DP-2 (GW)	Water	02/21/2006 1515	02/21/2006 1600

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2202-1

Client Sample ID: DP-2 (GW)

Lab Sample ID: 720-2202-2

Client Matrix: Water

Date Sampled: 02/21/2006 1515

Date Received: 02/21/2006 1600

**8260B Volatile Organic Compounds by GC/MS**

Method: 8260B  
Preparation: 5030B  
Dilution: 1.0  
Date Analyzed: 03/03/2006 0612  
Date Prepared: 03/03/2006 0612

Analysis Batch: 720-6150

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8	88		77 - 121
1,2-Dichloroethane-d4	85		73 - 130

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2202-1

Client Sample ID: DP-2 (GW)

Lab Sample ID: 720-2202-2

Date Sampled: 02/21/2006 1515

Client Matrix: Water

Date Received: 02/21/2006 1600

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B  
Preparation: 3010A  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0934  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Lead	0.025		0.0050

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**MFG, Inc.**

# DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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**MFG, Inc.**

Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>				
<b>Analysis Batch:720-6150</b>				
LCS 720-6150/10	Lab Control Spike	Water	8260B	
LCSD 720-6150/9	Lab Control Spike Duplicate	Water	8260B	
MB 720-6150/11	Method Blank	Water	8260B	
720-2176-C-1 MS MS	Matrix Spike	Water	8260B	
720-2176-C-1 MSD MSD	Matrix Spike Duplicate	Water	8260B	
720-2202-2	DP-2 (GW)	Water	8260B	
<b>Metals</b>				
<b>Prep Batch: 720-5895</b>				
LCS 720-5895/2-A	Lab Control Spike	Water	3010A	
LCSD 720-5895/3-A	Lab Control Spike Duplicate	Water	3010A	
MB 720-5895/1-A	Method Blank	Water	3010A	
720-2202-2	DP-2 (GW)	Water	3010A	
720-2213-A-2-B MS	Matrix Spike	Water	3010A	
720-2213-A-2-C MSD	Matrix Spike Duplicate	Water	3010A	
<b>Analysis Batch:720-5926</b>				
LCS 720-5895/2-A	Lab Control Spike	Water	6010B	720-5895
LCSD 720-5895/3-A	Lab Control Spike Duplicate	Water	6010B	720-5895
MB 720-5895/1-A	Method Blank	Water	6010B	720-5895
720-2202-2	DP-2 (GW)	Water	6010B	720-5895
720-2213-A-2-B MS	Matrix Spike	Water	6010B	720-5895
720-2213-A-2-C MSD	Matrix Spike Duplicate	Water	6010B	720-5895

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**MFG, Inc.**



# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

Method Blank - Batch: 720-6150

Method: 8260B  
Preparation: 5030B

Lab Sample ID: MB 720-6150/11  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 03/02/2006 2025  
Date Prepared: 03/02/2006 2025

Analysis Batch: 720-6150  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	86	77 - 121
1,2-Dichloroethane-d4	83	73 - 130

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

## Laboratory Control/ Laboratory Control Duplicate Recovery Report - Batch: 720-6150

Method: 8260B  
Preparation: 5030B

LCS Lab Sample ID: LCS 720-6150/10  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1933  
Date Prepared: 03/02/2006 1933

Analysis Batch: 720-6150  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-6150/9  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1959  
Date Prepared: 03/02/2006 1959

Analysis Batch: 720-6150  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\030  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	97	69 - 129	8	25		
MTBE	87	89	65 - 165	3	25		
Toluene	93	101	70 - 130	8	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	92		95		77 - 121		
1,2-Dichloroethane-d4	78		82		73 - 130		

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2202-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 720-6150**

**Method: 8260B  
Preparation: 5030B**

MS Lab Sample ID: 720-2176-C-1 MS MS      Analysis Batch: 720-6150  
 Client Matrix: Water                              Prep Batch: N/A  
 Dilution: 1.0  
 Date Analyzed: 03/02/2006 2123  
 Date Prepared: 03/02/2006 2123

Instrument ID: Saturn 2100  
 Lab File ID: c:\saturnws\data\200603\0  
 Initial Weight/Volume: 10 mL  
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-2176-C-1 MSD MSD Analysis Batch: 720-6150  
 Client Matrix: Water                              Prep Batch: N/A  
 Dilution: 1.0  
 Date Analyzed: 03/02/2006 2150  
 Date Prepared: 03/02/2006 2150

Instrument ID: Saturn 2100  
 Lab File ID: c:\saturnws\data\200603\03  
 Initial Weight/Volume: 10 mL  
 Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	94	91	69 - 129	4	20		
MTBE	105	103	65 - 165	1	20		
Toluene	97	90	70 - 130	8	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	88		88		77 - 121		
1,2-Dichloroethane-d4	84		87		73 - 130		

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2202-1

**Method Blank - Batch: 720-5895**

**Method: 6010B  
Preparation: 3010A**

Lab Sample ID: MB 720-5895/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0839  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895  
Units: mg/L

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.0050

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-5895**

**Method: 6010B  
Preparation: 3010A**

LCS Lab Sample ID: LCS 720-5895/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0842  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895  
Units: mg/L

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-5895/3-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0846  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895  
Units: mg/L

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	99	102	80 - 120	3	20		

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MFG, Inc.

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2202-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 720-5895**

**Method: 6010B  
Preparation: 3010A**

MS Lab Sample ID: 720-2213-A-2-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0941  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-2213-A-2-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0945  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	101	102	75 - 125	1	25		

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-2202

39424

# MFG, Inc.

## CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

COC No. **45076**

Arcata Office  
875 Crescent Way  
Arcata, CA 95521-6741  
Phone (707) 826-8430- FAX (707) 826-8437

Boulder Office  
4900 Pearl East Circle  
Suite 300W  
Boulder, CO 80301-6118  
Tel: (303) 447-1823  
Fax: (303) 447-1836

Irvine Office  
17770 Cartwright Road  
Suite 500  
Irvine, CA 92614-5850  
Tel: (949) 253-2951  
Fax: (949) 253-2954

Osburn Office  
P.O. Box 30  
Wallace, ID  
83873-0030  
Tel: (208) 556-6811  
Fax: (208) 556-7271

San Francisco Office  
180 Howard Street, Suite 200  
San Francisco, CA 94105-1517  
Phone (415) 495-7110- FAX (415) 495-7107

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

PROJECT NO: 030225 PROJECT NAME: Avis Pleasanton PAGE:      OF:       
SAMPLER (Signature): JS PROJECT MANAGER: Chris White DATE: 2/2/06  
METHOD OF SHIPMENT: Drop-off CARRIER/WAYBILL NO:      DESTINATION: STL Chemicals

Field Sample Identification	SAMPLES								ANALYSIS REQUEST								
	Sample		Preservation				FILTRATION*	Containers			Constituents/Method			Handling			Remarks
	DATE	TIME	Matrix*	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>		COLD	VOLUME (ml/oz)	TYPE*	NO.	8260B*	BTEX	6010B*	HOLD	RUSH	
DP-1 (GW)	2/2/06	1500	Ag	X			X	M	G	3	X	X		X			RECEIVED
DP-1 (GW)	2/2/06	1300	Ag		X		X	U	P	1			X	X			MAR - 6 2006
DP-2 (GW)	2/2/06	1515	Ag	X			X	U	G	3	X	X				X	
DP-2 (GW)	2/2/06	1515	Ag		X		X	U	P	1			X			X	

TOTAL NUMBER OF CONTAINERS

LABORATORY COMMENTS/CONDITION OF SAMPLES

Cooler Temp: 5

### RELINQUISHED BY:

### RECEIVED BY:

SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	SIGNATURE	PRINTED NAME	COMPANY
<u>JS</u>	<u>JS 2/2/06</u>	<u>MFG</u>	<u>2/2/06</u>	<u>1600</u>	<u>Joan Mulken</u>	<u>Joan Mulken</u>	<u>STL SF</u>
							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  
DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

\*6010 = Lead  
\*G BTEX, Oxy, Ethanol

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: MFG, Inc.

Job Number: 720-2202-1

Login Number: 2202

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

**RECEIVED**  
**MAR - 6 2006**  
**MFG, Inc.**

## METHOD SUMMARY

Client: MFG, Inc.

Job Number: 720-2201-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap for Solids	STL-SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL-SF		SW846 3050B

### LAB REFERENCES:

STL-SF = STL-San Francisco

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

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**MAR - 6 2006**

**MFG, Inc.**



# SAMPLE SUMMARY

Client: MFG, Inc.

Job Number: 720-2201-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
720-2201-1	DP-1 (31.5)	Solid	02/21/2006 1125	02/21/2006 1600
720-2201-2	DP-2 (26.5)	Solid	02/21/2006 1415	02/21/2006 1600
720-2201-3	DP-2 (31.5)	Solid	02/21/2006 1425	02/21/2006 1600

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**MFG, Inc.**

Analytical Data

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-1 (31.5)

Lab Sample ID: 720-2201-1

Client Matrix: Solid

Date Sampled: 02/21/2006 1125

Date Received: 02/21/2006 1600

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-6160

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200603\03

Dilution: 1.0

Initial Weight/Volume: 5.07 g

Date Analyzed: 03/02/2006 1639

Final Weight/Volume: 10 mL

Date Prepared: 03/02/2006 1639

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.9
Ethanol		ND		490
Ethylbenzene		ND		4.9
MTBE		ND		4.9
TAME		ND		4.9
Toluene		ND		4.9
Xylenes, Total		ND		9.9
TBA		ND		9.9
DIPE		ND		4.9
Gasoline Range Organics (GRO)-C5-C12		ND		990
Ethyl tert-butyl ether		ND		4.9
Surrogate		%Rec		Acceptance Limits
Toluene-d8		86		70 - 130
1,2-Dichloroethane-d4		81		60 - 140

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MFG, Inc.

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (26.5)

Lab Sample ID: 720-2201-2

Date Sampled: 02/21/2006 1415

Client Matrix: Solid

Date Received: 02/21/2006 1600

**8260B Volatile Organic Compounds by GC/MS**

Method: 8260B

Analysis Batch: 720-6160

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200603\03

Dilution: 1.0

Initial Weight/Volume: 5.72 g

Date Analyzed: 03/02/2006 1705

Final Weight/Volume: 10 mL

Date Prepared: 03/02/2006 1705

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.4
Ethanol		ND		440
Ethylbenzene		ND		4.4
MTBE		ND		4.4
TAME		ND		4.4
Toluene		ND		4.4
Xylenes, Total		ND		8.7
TBA		ND		8.7
DIPE		ND		4.4
Gasoline Range Organics (GRO)-C5-C12		ND		870
Ethyl tert-butyl ether		ND		4.4
Surrogate		%Rec		Acceptance Limits
Toluene-d8		88		70 - 130
1,2-Dichloroethane-d4		85		60 - 140

**RECEIVED****MAR - 6 2006****MFG, Inc.**

Analytical Data

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (31.5)

Lab Sample ID: 720-2201-3

Date Sampled: 02/21/2006 1425

Client Matrix: Solid

Date Received: 02/21/2006 1600

8260B Volatile Organic Compounds by GC/MS

Method: 8260B  
Preparation: 5030B  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1732  
Date Prepared: 03/02/2006 1732

Analysis Batch: 720-6160

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnrws\data\200603\03  
Initial Weight/Volume: 5.72 g  
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.4
Ethanol		ND		440
Ethylbenzene		ND		4.4
MTBE		ND		4.4
TAME		ND		4.4
Toluene		ND		4.4
Xylenes, Total		ND		8.7
TBA		ND		8.7
DIPE		ND		4.4
Gasoline Range Organics (GRO)-C5-C12		ND		870
Ethyl tert-butyl ether		ND		4.4
Surrogate		%Rec		Acceptance Limits
Toluene-d8		89		70 - 130
1,2-Dichloroethane-d4		84		60 - 140

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-1 (31.5)

Lab Sample ID: 720-2201-1  
Client Matrix: Solid

Date Sampled: 02/21/2006 1125  
Date Received: 02/21/2006 1600

---

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B  
Preparation: 3050B  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1334  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

---

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		3.7		1.0

---

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (26.5)

Lab Sample ID: 720-2201-2  
Client Matrix: Solid

Date Sampled: 02/21/2006 1415  
Date Received: 02/21/2006 1600

---

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B  
Preparation: 3050B  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1338  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.01 g  
Final Weight/Volume: 50 mL

---

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		4.5		0.99

---

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2201-1

Client Sample ID: DP-2 (31.5)

Lab Sample ID: 720-2201-3

Date Sampled: 02/21/2006 1425

Client Matrix: Solid

Date Received: 02/21/2006 1600

---

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B

Analysis Batch: 720-6026

Instrument ID: Varian ICP

Preparation: 3050B

Prep Batch: 720-6014

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.00 g

Date Analyzed: 02/28/2006 1342

Final Weight/Volume: 50 mL

Date Prepared: 02/28/2006 0739

---

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Lead		4.6		1.0

---

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**MFG, Inc.**

# DATA REPORTING QUALIFIERS

Client: MFG, Inc.

Job Number: 720-2201-1

Lab Section	Qualifier	Description
Metals	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits

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**MFG, Inc.**



# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2201-1

## QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>				
<b>Analysis Batch:720-6160</b>				
LCS 720-6160/16	Lab Control Spike	Solid	8260B	
LCSD 720-6160/15	Lab Control Spike Duplicate	Solid	8260B	
MB 720-6160/17	Method Blank	Solid	8260B	
720-2201-1	DP-1 (31.5)	Solid	8260B	
720-2201-2	DP-2 (26.5)	Solid	8260B	
720-2201-3	DP-2 (31.5)	Solid	8260B	
<b>Metals</b>				
<b>Prep Batch: 720-6014</b>				
LCS 720-6014/2-A	Lab Control Spike	Solid	3050B	
LCSD 720-6014/3-A	Lab Control Spike Duplicate	Solid	3050B	
MB 720-6014/1-A	Method Blank	Solid	3050B	
720-2201-1	DP-1 (31.5)	Solid	3050B	
720-2201-2	DP-2 (26.5)	Solid	3050B	
720-2201-3	DP-2 (31.5)	Solid	3050B	
720-2259-A-1-B MS	Matrix Spike	Solid	3050B	
720-2259-A-1-C MSD	Matrix Spike Duplicate	Solid	3050B	
<b>Analysis Batch:720-6026</b>				
LCS 720-6014/2-A	Lab Control Spike	Solid	6010B	720-6014
LCSD 720-6014/3-A	Lab Control Spike Duplicate	Solid	6010B	720-6014
MB 720-6014/1-A	Method Blank	Solid	6010B	720-6014
720-2201-1	DP-1 (31.5)	Solid	6010B	720-6014
720-2201-2	DP-2 (26.5)	Solid	6010B	720-6014
720-2201-3	DP-2 (31.5)	Solid	6010B	720-6014
720-2259-A-1-B MS	Matrix Spike	Solid	6010B	720-6014
720-2259-A-1-C MSD	Matrix Spike Duplicate	Solid	6010B	720-6014

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**MFG, Inc.**

# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2201-1

Method Blank - Batch: 720-6160

Method: 8260B  
Preparation: 5030B

Lab Sample ID: MB 720-6160/17  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1052  
Date Prepared: 03/02/2006 1052

Analysis Batch: 720-6160  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: Saturn 2100  
Lab File ID: c:\saturaws\data\200603\03  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Ethanol	ND		500
Ethylbenzene	ND		5.0
MTBE	ND		5.0
TAME	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
TBA	ND		10
DIPE	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		1000
Ethyl tert-butyl ether	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8	94	70 - 130
1,2-Dichloroethane-d4	91	60 - 140

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2201-1

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-6160**

**Method: 8260B  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-6160/16  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/02/2006 0959  
Date Prepared: 03/02/2006 0959

Analysis Batch: 720-6160  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-6160/15  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1026  
Date Prepared: 03/02/2006 1026

Analysis Batch: 720-6160  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\030  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	97	97	69 - 129	0	20		
MTBE	90	98	65 - 165	9	20		
Toluene	95	98	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	92		93		70 - 130		
1,2-Dichloroethane-d4	87		89		60 - 140		

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2201-1

**Method Blank - Batch: 720-6014**

**Method: 6010B  
Preparation: 3050B**

Lab Sample ID: MB 720-6014/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1302  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014  
Units: mg/Kg

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		1.0

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-6014**

**Method: 6010B  
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-6014/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1305  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014  
Units: mg/Kg

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-6014/3-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1330  
Date Prepared: 02/28/2006 0739

Analysis Batch: 720-6026  
Prep Batch: 720-6014  
Units: mg/Kg

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.00 g  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	93	84	80 - 120	10	20		

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2201-1

## Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-6014

Method: 6010B  
Preparation: 3050B

MS Lab Sample ID: 720-2259-A-1-B MS      Analysis Batch: 720-6026  
Client Matrix: Solid                              Prep Batch: 720-6014  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1350  
Date Prepared: 02/28/2006 0739

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.05 g  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-2259-A-1-C MSD      Analysis Batch: 720-6026  
Client Matrix: Solid                              Prep Batch: 720-6014  
Dilution: 1.0  
Date Analyzed: 02/28/2006 1354  
Date Prepared: 02/28/2006 0739

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 1.03 g  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	63	62	75 - 125	1	20	*	*

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

31425

MFG, Inc.

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

COC No. 44031

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

Boulder Office  
4900 Pearl East Circle  
Suite 300W  
Boulder, CO 80301-8118  
Tel: (303) 447-1823  
Fax: (303) 447-1836

Irvine Office  
17770 Cartwright Road  
Suite 500  
Irvine, CA 92614-5850  
Tel: (949) 253-2951  
Fax: (949) 253-2954

Osburn Office  
P.O. Box 30  
Wallace, ID  
83673-0030  
Tel: (208) 556-6811  
Fax: (208) 556-7271

San Francisco Office  
180 Howard Street, Suite 200  
San Francisco, CA 94105-1617  
Phone (415) 495-7110- FAX (415) 495-7107

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

PROJECT NO: 030245 PROJECT NAME: Avis Pleasanton PAGE: 1 OF: 1  
 SAMPLER (Signature): [Signature] PROJECT MANAGER: Chris White DATE: 2/21/06  
 METHOD OF SHIPMENT: Drop-off CARRIER/WAYBILL NO: \_\_\_\_\_ DESTINATION: STL Chromalabs

Field Sample Identification	SAMPLES								ANALYSIS REQUEST									
	Sample		Matrix*	Preservation				FILTRATION*	Containers			Constituents/Method			Handling			Remarks
	DATE	TIME		HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	COLD		VOLUME (ml/oz)	TYPE*	NO.	8260B	BTEX	6010B lead	HOLD	RUSH	STANDARD	
DP-1 (31.5)	2/21/06	11:25	So				X		8oz	G	1	X	X	X				X
DP-2 (26.5)	2/21/06	14:15	So				X		8oz	G	1	X	X	X				X
DP-2 (31.5)	2/21/06	14:25	So				X		8oz	G	1	X	X	X				X

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TOTAL NUMBER OF CONTAINERS 3 LABORATORY COMMENTS/CONDITION OF SAMPLES \*Cooler Temp: 5

RELINQUISHED BY:					RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	SIGNATURE	PRINTED NAME	COMPANY
<u>[Signature]</u>	<u>JT Niolo</u>	<u>MFG</u>	<u>2/21/06</u>	<u>1600</u>	<u>[Signature]</u>	<u>Joan Mullen</u>	<u>STL</u>
							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  
 DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

\*6010 = Lead  
 \*8260 = Bas(BTEX) Foxy/Ethanol

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: MFG, Inc.

Job Number: 720-2201-1

Login Number: 2201

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

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MFG, Inc.

## ANALYTICAL REPORT

Job Number: 720-2202-1

Job Description: Avis Pleasanton

For:

MFG, Inc.  
180 Howard Street  
Suite 200  
San Francisco, CA 94105-1633

Attention: Mr. Chris White



Dimple Sharma  
Project Manager I  
dsharma@stl-inc.com  
03/03/2006

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**MFG, Inc.**



## METHOD SUMMARY

Client: MFG, Inc.

Job Number: 720-2202-1

Description	Lab Location	Method	Preparation Method
-------------	--------------	--------	--------------------

Matrix: Water

Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SF	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-SF		SW846 3010A

### LAB REFERENCES:

STL-SF = STL-San Francisco

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

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**MFG, Inc.**

**SAMPLE SUMMARY**

Client: MFG, Inc.

Job Number: 720-2202-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
720-2202-2	DP-2 (GW)	Water	02/21/2006 1515	02/21/2006 1600

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**MFG, Inc.**

# Analytical Data

Client: MFG, Inc.

Job Number: 720-2202-1

Client Sample ID: DP-2 (GW)

Lab Sample ID: 720-2202-2

Client Matrix: Water

Date Sampled: 02/21/2006 1515

Date Received: 02/21/2006 1600

## 8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-6150

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnw\data\200603\03

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 03/03/2006 0612

Final Weight/Volume: 10 mL

Date Prepared: 03/03/2006 0612

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8	88		77 - 121
1,2-Dichloroethane-d4	85		73 - 130

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**MFG, Inc.**

**Analytical Data**

Client: MFG, Inc.

Job Number: 720-2202-1

Client Sample ID: DP-2 (GW)

Lab Sample ID: 720-2202-2

Date Sampled: 02/21/2006 1515

Client Matrix: Water

Date Received: 02/21/2006 1600

---

**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry**

Method: 6010B  
Preparation: 3010A  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0934  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

---

Analyte	Result (mg/L)	Qualifier	RL
Lead	0.025		0.0050

---

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**MFG, Inc.**

# DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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**MFG, Inc.**

Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>				
<b>Analysis Batch:720-6150</b>				
LCS 720-6150/10	Lab Control Spike	Water	8260B	
LCSD 720-6150/9	Lab Control Spike Duplicate	Water	8260B	
MB 720-6150/11	Method Blank	Water	8260B	
720-2176-C-1 MS MS	Matrix Spike	Water	8260B	
720-2176-C-1 MSD MSD	Matrix Spike Duplicate	Water	8260B	
720-2202-2	DP-2 (GW)	Water	8260B	
<b>Metals</b>				
<b>Prep Batch: 720-5895</b>				
LCS 720-5895/2-A	Lab Control Spike	Water	3010A	
LCSD 720-5895/3-A	Lab Control Spike Duplicate	Water	3010A	
MB 720-5895/1-A	Method Blank	Water	3010A	
720-2202-2	DP-2 (GW)	Water	3010A	
720-2213-A-2-B MS	Matrix Spike	Water	3010A	
720-2213-A-2-C MSD	Matrix Spike Duplicate	Water	3010A	
<b>Analysis Batch:720-5926</b>				
LCS 720-5895/2-A	Lab Control Spike	Water	6010B	720-5895
LCSD 720-5895/3-A	Lab Control Spike Duplicate	Water	6010B	720-5895
MB 720-5895/1-A	Method Blank	Water	6010B	720-5895
720-2202-2	DP-2 (GW)	Water	6010B	720-5895
720-2213-A-2-B MS	Matrix Spike	Water	6010B	720-5895
720-2213-A-2-C MSD	Matrix Spike Duplicate	Water	6010B	720-5895

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MFG, Inc.

# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

Method Blank - Batch: 720-6150

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-6150/11

Analysis Batch: 720-6150

Instrument ID: Saturn 2100

Client Matrix: Water

Prep Batch: N/A

Lab File ID: c:\saturnws\data\200603\03

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 10 mL

Date Analyzed: 03/02/2006 2025

Final Weight/Volume: 10 mL

Date Prepared: 03/02/2006 2025

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	86	77 - 121	
1,2-Dichloroethane-d4	83	73 - 130	

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2202-1

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-6150**

**Method: 8260B  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-6150/10  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1933  
Date Prepared: 03/02/2006 1933

Analysis Batch: 720-6150  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-6150/9  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 03/02/2006 1959  
Date Prepared: 03/02/2006 1959

Analysis Batch: 720-6150  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\030  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	97	69 - 129	8	25		
MTBE	87	89	65 - 165	3	25		
Toluene	93	101	70 - 130	8	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	92		95		77 - 121		
1,2-Dichloroethane-d4	78		82		73 - 130		

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**MFG, Inc.**

Calculations are performed before rounding to avoid round-off errors in calculated results.



# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

## Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-6150

Method: 8260B  
Preparation: 5030B

MS Lab Sample ID: 720-2176-C-1 MS MS    Analysis Batch: 720-6150  
Client Matrix: Water                            Prep Batch: N/A  
Dilution: 1.0  
Date Analyzed: 03/02/2006 2123  
Date Prepared: 03/02/2006 2123

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\0  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-2176-C-1 MSD MSD Analysis Batch: 720-6150  
Client Matrix: Water                            Prep Batch: N/A  
Dilution: 1.0  
Date Analyzed: 03/02/2006 2150  
Date Prepared: 03/02/2006 2150

Instrument ID: Saturn 2100  
Lab File ID: c:\saturnws\data\200603\03  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	94	91	69 - 129	4	20		
MTBE	105	103	65 - 165	1	20		
Toluene	97	90	70 - 130	8	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
Toluene-d8		88	88			77 - 121	
1,2-Dichloroethane-d4		84	87			73 - 130	

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Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: MFG, Inc.

Job Number: 720-2202-1

**Method Blank - Batch: 720-5895**

**Method: 6010B  
Preparation: 3010A**

Lab Sample ID: MB 720-5895/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0839  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895  
Units: mg/L

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		0.0050

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-5895**

**Method: 6010B  
Preparation: 3010A**

LCS Lab Sample ID: LCS 720-5895/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0842  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895  
Units: mg/L

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-5895/3-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0846  
Date Prepared: 02/23/2006 1418

Analysis Batch: 720-5926  
Prep Batch: 720-5895  
Units: mg/L

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	99	102	80 - 120	3	20		

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# Quality Control Results

Client: MFG, Inc.

Job Number: 720-2202-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 720-5895**

**Method: 6010B  
Preparation: 3010A**

MS Lab Sample ID: 720-2213-A-2-B MS      Analysis Batch: 720-5926  
Client Matrix: Water                      Prep Batch: 720-5895  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0941  
Date Prepared: 02/23/2006 1418

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-2213-A-2-C MSD      Analysis Batch: 720-5926  
Client Matrix: Water                      Prep Batch: 720-5895  
Dilution: 1.0  
Date Analyzed: 02/24/2006 0945  
Date Prepared: 02/23/2006 1418

Instrument ID: Varian ICP  
Lab File ID: N/A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	101	102	75 - 125	1	25		

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Calculations are performed before rounding to avoid round-off errors in calculated results.

720-2202

39424

# MFG, Inc.

## CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

COC No. **45076**

Arcata Office  
875 Crescent Way  
Arcata, CA 95521-6741  
Phone (707) 826-8430- FAX (707) 826-8437

Boulder Office  
4900 Pearl East Circle  
Suite 300W  
Boulder, CO 80301-6118  
Tel: (303) 447-1823  
Fax: (303) 447-1836

Irvine Office  
17770 Cartwright Road  
Suite 500  
Irvine, CA 92614-5850  
Tel: (949) 253-2951  
Fax: (949) 253-2954

Osburn Office  
P.O. Box 30  
Wallace, ID  
83873-0030  
Tel: (208) 556-6811  
Fax: (208) 556-7271

San Francisco Office  
180 Howard Street, Suite 200  
San Francisco, CA 94105-1617  
Phone (415) 495-7110- FAX (415) 495-7107

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

PROJECT NO: 0302us PROJECT NAME: Avis Pleasanton PAGE:      OF:       
 SAMPLER (Signature): [Signature] PROJECT MANAGER: Chris White DATE: 2/21/06  
 METHOD OF SHIPMENT: Drop-off CARRIER/WAYBILL NO:      DESTINATION: STC Chemicals

Field Sample Identification	SAMPLES								ANALYSIS REQUEST							REMARKS		
	Sample		Preservation				Containers		Constituents/Method			Handling		RECEIVED				
	DATE	TIME	Matrix*	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	COLD	FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.	8260B*	BTEX		6010B*		HOLD	RUSH
DP-1 (GW)	2/21/06	1500	Ag	X			X	4	G	3	X	X		X				MAR - 6 2006
DP-1 (GW)	2/21/06	1500	Ag		X		X	4	P	1			X	X				MFG, Inc.
DP-2 (GW)	2/21/06	1515	Ag	X			X	4	G	3	X	X					X	
DP-2 (GW)	2/21/06	1515	Ag		X		X	4	P	1			X				X	
								TOTAL NUMBER OF CONTAINERS	LABORATORY COMMENTS/CONDITION OF SAMPLES							Cooler Temp: <u>5</u>		

RELINQUISHED BY:					RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME	SIGNATURE	PRINTED NAME	COMPANY
<u>[Signature]</u>	<u>JT Niolo</u>	<u>MFG</u>	<u>2/21/06</u>	<u>1600</u>	<u>[Signature]</u>	<u>Jean Mulley</u>	<u>STCSF</u>
					LABORATORY		

\*KEY Matrix: AQ - aqueous NA - nonequeous 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  
 DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

\*6010 = Lead

\*G BTEX Oxy to the

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: MFG, Inc.

Job Number: 720-2202-1

Login Number: 2202

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

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