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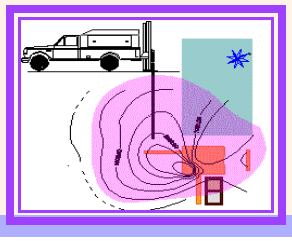


RECEIVED
By lopprojectop at 9:00 am, Jun 06, 2006

May 10, 2006

Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Telephone: (510) 567-6791
FAX: (510) 337-9335

SUBJECT: SUBSURFACE HYDROGEOLOGIC INVESTIGATION AND GROUNDWATER MONITORING OF HYDROCARBONS AT THE FORMER DIESEL UST SITE AT THE MBM CORPORATION PROPERTY @ 5675 SUNOL BLVD., PLEASANTON, CA

Dear Mr. Wickham:

This technical report has been submitted in response to the ACHCS-EHS correspondence dated November 09, 2005. A phased approach was employed to determine the existing levels of dissolved hydrocarbon constituents by installing one additional groundwater monitoring well and the sampling and evaluation of data collected from four (4) groundwater monitoring wells.

Enclosed are the details of a limited subsurface hydrogeologic investigation of the former diesel Underground Storage Tank system formerly located at the southwest corner of the MBM Corporation truck loading and maintenance facility in Pleasanton, CA. The investigation entailed the installation of one groundwater monitoring well to 26 ½ feet bgs and water sampling of the four (4) groundwater monitoring wells onsite.

The soil samples collected from the soil boring prior to well installation were analyzed for diesel ranged organics and revealed no diesel contamination. The four groundwater monitoring wells were sampled and analyzed for diesel and gasoline ranged organics as well as BTEX, five oxygenates, two lead scavengers and chlorinated solvents. No contamination was identified in groundwater for these chemical constituents.

Although no contamination was identified, a limited sensitive receptor survey was performed to identify the beneficial uses of groundwater and surface waters and water supply wells. Considering the very low levels of dissolved hydrocarbon contaminants that have been identified in the past and the absence of hydrocarbons noted in this sampling event, it is unlikely that discharges from the former diesel UST system could have adversely impacted the waters of the State. Also, it is very unlikely that the low levels of diesel identified at the site in the past could adversely impact human health or the environment considering the fact that diesel is not toxic at the levels identified.

Sincerely,

Franklin J. Goldman

REGISTERED GEOLOGIST
FRANKLIN J. GOLDMAN
CERTIFIED HYDROGEOLOGIST
NO. 466
STATE OF CALIFORNIA

Franklin J. Goldman
Certified Hydrogeologist No. 466

SUBSURFACE INVESTIGATION

BACKGROUND

The two 20,000 gallon and one 6,000 diesel USTs were installed in 1983 (GCI, June 1995). In May 1990, vapor monitoring well installations yielded no hydrocarbon contamination related to the UST system (Exceltech 06-29-90). In November 1990, a 500 gallon motor oil UST and one 600 gallon waste motor oil UST were removed from the site.

PURPOSE OF PAST INVESTIGATION ACTIVITIES

The three (3) groundwater monitoring wells which existed onsite prior to this most recent investigation were installed in response to a directive from the City of Pleasanton Fire department which cited deficiencies in monitoring and record keeping of UST leak detection monitoring and inventory control as a result of an April 1995 inspection (Geraghty & Miller Inc., 08-30-95). The wells were also installed to identify the potential presence of solvents related to waste oil disposal.

In May 2004, the UST system was removed and the associated soil and groundwater sampling analyses revealed no gasoline ranged organics or associated BTEX, oxygenates, or lead scavengers. Low levels of diesel ranged organics were identified in soil and groundwater in the former UST pit. Since then, an above ground fuel tank system has been installed.

SITE LOCATION AND DESCRIPTION

The investigation area is located at the southwestern corner of the MBM property, west of a truck and trailer maintenance shop and a warehouse with office space. The MBM property is located between the COR-O-VAN property to the north and the Applied Biosystems site to the south in a commercial zone of Pleasanton. Both neighboring sites have environmental compliance issues on record with the City of Pleasanton Fire Department.

SOIL SAMPLING PROCEDURES FOR THE GROUNDWATER MONITORING WELL EXCAVATION

A well installation permit was obtained from the Zone 7 Water Agency prior to well construction. The groundwater monitoring well location was marked at the site in white paint prior to the commencement of drilling excavation activities. The soil boring location was marked for Underground Service Alert which was contacted prior to drilling. The soil boring location was screened with a magnetometer on April 05, 2006 and was then hand augered to a depth of approximately five (5) feet bgs prior to excavation to avoid causing damage to underground piping and utility lines. Soil boring MW-4 was excavated to 26 ½ feet bgs with an eight (8) inch diameter hollow-stem auger and converted to a properly constructed groundwater monitoring well by Clearheart Drilling, a C-57 drilling licensed driller. The borehole logging was performed by a State Certified Hydrogeologist who kept a detailed hydrostratigraphic log of the borehole, noting lithologic changes, hydrogeological characteristics, sample locations, and well construction. Soil sampling was performed where appropriate in order of identify significant changes in soil hydrostratigraphy and to provide a sufficient representation of the distribution of contaminants in the subsurface. The excavation was sampled by collecting soil where hydrocarbon contaminants were suspected.

Soil samples were collected with a two (2) inch inner diameter, three (3) foot long, split spoon sampler depending upon the soil stratigraphy and contaminants encountered. The soil samples were obtained by the compressive force of a 140 lb hammer dropped from a height of 18 inches. The soil samples were extruded into six (6)-inch long steel

sample liners. Soil samples were chosen for lab analyses based upon obvious olfactory and visual evidence of contamination, by photoionization detector (PID) screening and/or at significant changes in hydrostratigraphic horizons (See Appendix A for Laboratory Data Sheets).

Each soil sample collected was covered at each end of the metal cylinder with aluminum foil, plastic end caps, and sealed with duct tape to adhere the caps to the liners at each end, to hermetically seal the samples. The soil samples were labeled with a non-toxic ink field marker as to the depth and location the sample was collected, the sample number, and the project name and inserted into a plastic Zip-Lock bag and then placed into an ice chest for transport back to the laboratory. The chain-of-custody was similarly designated and included the date and time the sample was collected as well as the depth interval. Soil samples were analyzed for Diesel Ranged Organics.

The sampler was decontaminated before and after each use by rinsing with an Alconox solution wash and fresh tap water rinse. All rinseate water, purge water, and soil waste were stored in 55 gallon DOT approved drums. The drums have been stored onsite until authorization for transport to a legal point of disposal is made.

SOIL STRATIGRAPHY

The upper 16 feet of soil encountered in the soil boring was fine grained overlying silty sands from 16 to 22 feet bgs. A saturated sandy gravel layer, probably an isolated confined aquifer, was encountered between 22 to 23 ½ feet bgs overlying a clayey silt documented to 26 ½ feet bgs. Since groundwater was encountered at 13 feet bgs and the water level eventually stabilized in the well at a depth of approximately seven feet bgs, it implies that confining conditions exist in the immediate vicinity of MW-4 (See Appendix B for Soil Boring Log).

WELL CONSTRUCTION

The well was constructed with a 0.02 inch PVC schedule 40 slotted casing (screened from 10 to 25 feet bgs) and schedule 40, 2 inch diameter PVC blank casing (blank from 0 to 10 feet bgs). No. 212 silica sand pack was placed in the annular space between the screened casing and the open borehole to one foot above the top of the screen. The bentonite seal was placed at thickness of one foot on top of the sand pack in the annular space. A Type II cement bentonite grout was then tremmied from the bottom up to within approximately 1 ½ foot from the top of the surface cover. A continuous concrete pour was then placed on top of the grout to the surface where it was finished with a concrete apron flush with the surrounding asphalt around a Boart Longyear well box and locking well cap (See Appendix B for Well Construction Detail).

LAND SURVEY OF WELL INSTALLATION

On April 08, 2006, groundwater monitoring well MW-4 was developed with a surge block and purged for sampling. The well water was generally turbid but cleaned up sufficiently to obtain a representative water sample. On May 09, 2006, the Top of Casing (TOC) elevation and location of the new well installation and MW-1, along with a City benchmark, was surveyed by a certified land surveyor (See Appendix C for the Certified Well Survey).

WELL PURGING AND DEVELOPMENT

On April 08, 2006, the depth to groundwater was measured in groundwater monitoring wells MW-1, MW-2, MW-3 and MW-4 prior to purging to use as a reference elevation. Purging of the wells was performed by the use of 1 3/4 inch diameter steel disposable check valve bailer. Each well was sampled after the well purging process which entailed the removal of approximately three (3) or more well volumes from each well, allowing the water level to recover to at

least 80% of the original, static water level. Temperature, electrical conductivity, and pH were monitored so that the three parameters demonstrated an error difference of within 10% from one another, over three consecutive readings (See Appendix D for Well Development Logs). The recorded data was used to verify that a sufficient volume of groundwater had been removed from each well casing so that anomalies caused by remnant well casing storage would not preclude us from obtaining a groundwater sample which would be more representative of the aquifer contaminant distribution as a whole.

GROUNDWATER FLOW DIRECTION

On April 08, 2006, a Slope Indicator water level meter was used to measure the depth to groundwater in all four (4) groundwater monitoring wells. The measurements were read to the nearest 100th of an inch from the top of the casing elevation as established by certified land surveys (re: Land survey reported by Geraghty & Miller, Inc. 08-30-95 for MW-1, MW-2, and MW-3; MW-1 was re-surveyed along with newly installed well MW-4 by Lamb, certified land surveyor in May 2006).

Groundwater was encountered at depths ranging from approximately between six (6) to seven (7) feet bgs. The predominant groundwater gradient flow direction is to the west at 0.01 feet/foot (See Figure 1 for Groundwater Gradient Flow and Direction Map).

GROUNDWATER SAMPLING FROM WELLS

Water samples were collected by lowering a plastic disposable check valve bailer down the center of the well casing. Water samples were contained in 40-milliliter VOA vials and one liter glass amber bottles through a low flow bottom draining plastic tube inserted into the bottom of the bailer for diesel and gasoline ranged organics, BTEX, five oxygenates, two lead scavengers, and chlorinated solvent analyses. EPA Method 8260b for 5 oxygenates and two lead scavengers was used to confirm the presence of MTBE and other gasoline constituents. The samples were labeled and stored on ice until delivered, under chain-of-custody procedures, to American Analytics, Inc. of Chatsworth, California, a State-certified analytical laboratory.

LABORATORY RESULTS OF HYDROCARBONS IN GROUNDWATER

No contaminants associated with gasoline, diesel, or chlorinated solvents were identified in groundwater (See Appendix A for Laboratory Data Sheets).

SENSITIVE RECEPTOR SURVEY

Water supply wells, surface waters, and City storm and sewer lines were identified in the vicinity of the subject site. It is very unlikely that the low levels of dissolved contaminants identified in groundwater at the site could have significantly impacted the waters of the state in the past or could do so in the future (See Figure 2 for Map of Sensitive Receptors). Considering the fact that diesel is not toxic at the levels identified at the site in the past, it is unlikely that it could have adversely impacted, or will impact, human health of the environment.

FIELD CLEANUP

Well purge water was placed in properly labeled 55 gallon drums left on-site for transport to a legal point of disposal.

CONCLUSIONS

No fuel related contaminants were identified in groundwater. Hydrocarbon contaminants pose no significant threat to sensitive receptors in the vicinity of the subject site.

RECOMMENDATIONS

Close the site and properly abandon the four groundwater monitoring wells as per the State well standards and County requirements.

LIMITATIONS

This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analyses, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change.

The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. Franklin J. Goldman, recognizes that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein, is done so at the sole risk of the said user.

MBM Transportation, Inc.
Formerly Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

Figure 1

0 10 20 30 40 50

Approximate Scale in Feet

Map Taken from Geraghty & Miller, Inc. 08-30-95 Figure 3

Groundwater Monitoring well MW-4 was Surveyed by Mick Lamb, certified land surveyor, May 2006. MW-1 was resurveyed by Lamb due to potential perceived damage to the well box.

N

Approximate Location of Former Underground 500 Gallon Motor Oil Tank

MW-3

340.19 TOC
6.75 depth
333.44 elev ft

Estimated Groundwater Gradient Flow & Direction for Monitoring Wells April 08, 2006

MW-3 333.44'
Shallow groundwater monitoring well location with water level elevation measured in well on April 08, 2006

Approximate location of storm drain inlet

Approximate location of sanitary sewer access

Gradient Flow & Direction 0.01 ft/ft

Building Maintenance Shop

334.00'

333.50'

333.00'

332.50'

Approximate Location of Former Underground 600 Gallon Waste Oil Tank

MW-2

340.05 TOC
6.71 depth
333.34 elev ft

Truck Wash Area

339.78 TOC
5.94 depth
333.84 elev ft

MW-1

338.49 TOC
6.13 depth
332.36 elev ft

MW-4

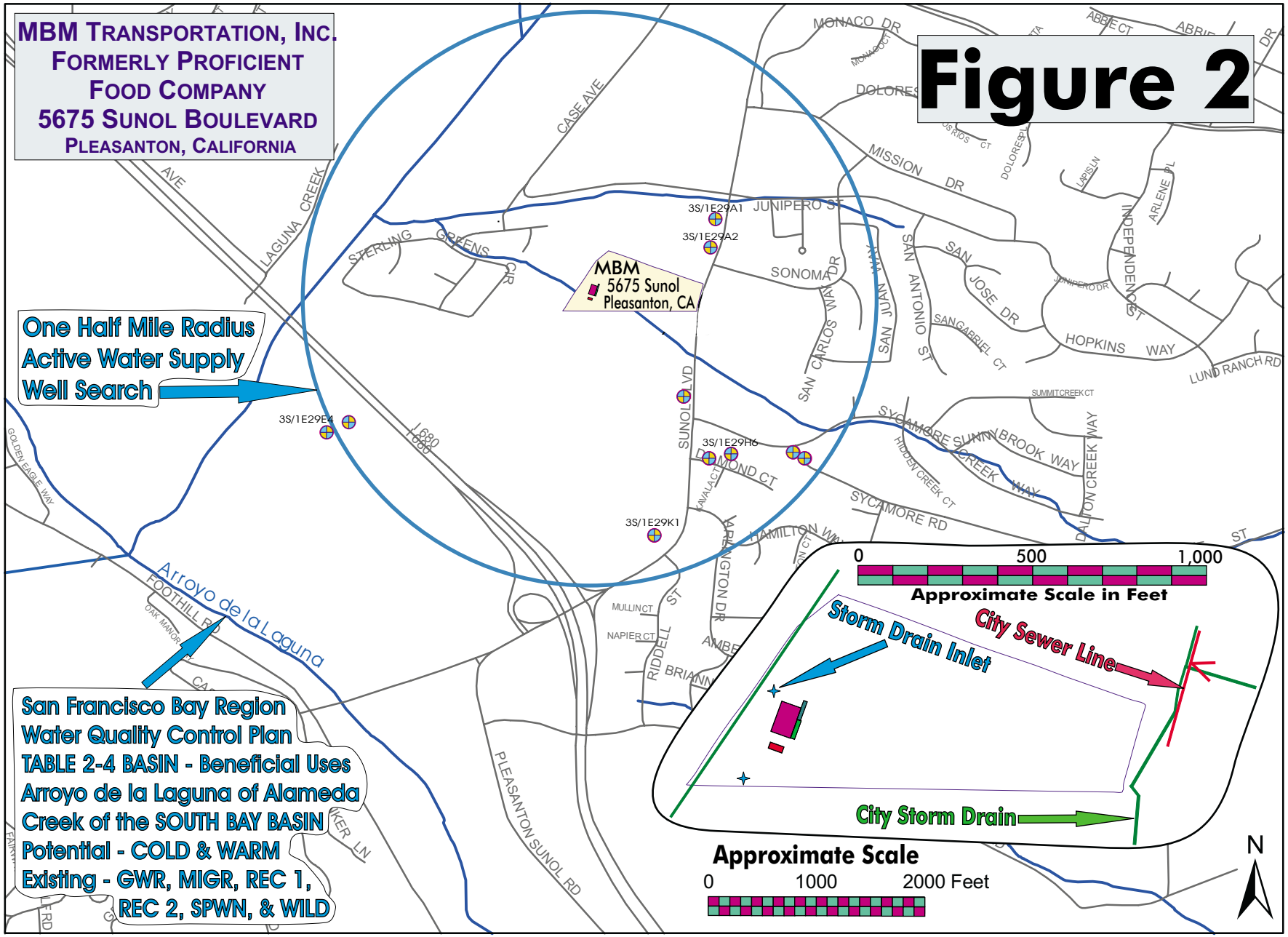
Approximate Location of Two Former 20,000 Gallon Diesel Underground Tanks

Pump Island

Approximate Location of One Former 6,000 Gallon Diesel Underground Tank

MBM Transportation, Inc.
Formerly Proficient Food Company
5675 Sunol Boulevard
Pleasanton, California

Figure 2



Data sources: 2004 GDT streets, USGS 1:24000 National Hydrological Dataset
Date: April 20, 2006 Editor: J. Kapellas, SF Bay Reg. Water Quality Control Board

Features added to base map were taken from:
City of Pleasanton Sewer/Storm Drain System Facilities 12/02
Tank Addition Map - Duram & Associates 04/17/04
Well Location Map - Zone 7 Water Agency 04/03/06

Appendix A
Lab Data Sheets

AMERICAN ANALYTICS

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

April 26, 2006

Layton Pierce

MBM Corp.

5675 Sunol Blvd.

Pleasanton, CA 94566

Re : MBM Corp.

A64601 / 6D12001

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/12/06 10:24 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B+OXY+TPHG					
MW-4	6D12001-06	Water	10	04/08/06 10:40	04/12/06 10:24
MW-2	6D12001-07	Water	10	04/08/06 12:40	04/12/06 10:24
MW-1	6D12001-08	Water	10	04/08/06 14:25	04/12/06 10:24
MW-3	6D12001-09	Water	10	04/08/06 16:05	04/12/06 10:24
Diesel Range Organics 8015M					
MW-4 (5.5-6)	6D12001-01	Soil	10	04/05/06 12:00	04/12/06 10:24
MW-4 (10.5-11)	6D12001-02	Soil	10	04/05/06 12:10	04/12/06 10:24
MW-4 (15.5-16)	6D12001-03	Soil	10	04/05/06 12:20	04/12/06 10:24
MW-4 (20-20.5)	6D12001-04	Soil	10	04/05/06 12:30	04/12/06 10:24
MW-4 (25.5-26)	6D12001-05	Soil	10	04/05/06 13:00	04/12/06 10:24
MW-4	6D12001-06	Water	10	04/08/06 10:40	04/12/06 10:24
MW-2	6D12001-07	Water	10	04/08/06 12:40	04/12/06 10:24
MW-1	6D12001-08	Water	10	04/08/06 14:25	04/12/06 10:24
MW-3	6D12001-09	Water	10	04/08/06 16:05	04/12/06 10:24

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.
Method: Diesel Range Organics by GC/FID

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06
Units: mg/kg

Date Sampled:	04/05/06	04/05/06	04/05/06	04/05/06	
Date Prepared:	04/14/06	04/14/06	04/14/06	04/14/06	
Date Analyzed:	04/19/06	04/19/06	04/19/06	04/19/06	
AA ID No:	6D12001-01	6D12001-02	6D12001-03	6D12001-04	
Client ID No:	MW-4 (5.5-6)	MW-4 (10.5-11)	MW-4 (15.5-16)	MW-4 (20-20.5)	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	<5.0	<5.0	<5.0	<5.0	5.0
Surrogates					**%REC Limits**
o-Terphenyl	50.0%	88.0%	50.0%	54.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	MBM Corp.	**AA Project No:**	A64601
Project No:	NA	**Date Received:**	04/12/06
Project Name:	MBM Corp.	**Date Reported:**	04/26/06
Method:	Diesel Range Organics by GC/FID	**Units:**	mg/kg

Date Sampled:	04/05/06	
Date Prepared:	04/14/06	
Date Analyzed:	04/19/06	
AA ID No:	6D12001-05	
Client ID No:	MW-4 (25.5-26)	
Matrix:	Soil	
Dilution Factor:	1	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<5.0	5.0

Surrogates		**%REC Limits**
o-Terphenyl	55.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06
Units: ug/L

Date Sampled:	04/08/06	04/08/06	04/08/06	04/08/06	
Date Prepared:	04/13/06	04/13/06	04/13/06	04/13/06	
Date Analyzed:	04/13/06	04/13/06	04/13/06	04/13/06	
AA ID No:	6D12001-06	6D12001-07	6D12001-08	6D12001-09	
Client ID No:	MW-4	MW-2	MW-1	MW-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B)					
Acetone	<10	<10	<10	<10	10
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Bromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	0.50
Bromoform	<0.50	<0.50	<0.50	<0.50	0.50
Bromomethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Butanone (MEK)	<10	<10	<10	<10	10
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
sec-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
tert-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
n-Butylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Disulfide	<0.50	<0.50	<0.50	<0.50	0.50
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Chloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Chloroform	<0.50	<0.50	<0.50	<0.50	0.50
Chloromethane	<0.50	<0.50	<0.50	<0.50	0.50
2-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
4-Chlorotoluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	1.0
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
Dibromomethane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06
Units: ug/L

Date Sampled:	04/08/06	04/08/06	04/08/06	04/08/06	
Date Prepared:	04/13/06	04/13/06	04/13/06	04/13/06	
Date Analyzed:	04/13/06	04/13/06	04/13/06	04/13/06	
AA ID No:	6D12001-06	6D12001-07	6D12001-08	6D12001-09	
Client ID No:	MW-4	MW-2	MW-1	MW-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
Dichlorodifluoromethane (R12)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
2,2-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,3-Dichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
cis-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
trans-1,3-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
1,1-Dichloropropylene	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	<100	<100	<100	<100	100
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	1.0
2-Hexanone (MBK)	<10	<10	<10	<10	10
Isopropylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	1.0
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	<2.0	2.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	5.0
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	10
Naphthalene	<2.0	<2.0	<2.0	<2.0	2.0
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	0.50

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.
Method: VOCs, OXY & TPH Gasoline by GC/MS

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06
Units: ug/L

Date Sampled:	04/08/06	04/08/06	04/08/06	04/08/06	
Date Prepared:	04/13/06	04/13/06	04/13/06	04/13/06	
Date Analyzed:	04/13/06	04/13/06	04/13/06	04/13/06	
AA ID No:	6D12001-06	6D12001-07	6D12001-08	6D12001-09	
Client ID No:	MW-4	MW-2	MW-1	MW-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B+OXY+TPHG (EPA 8260B) (continued)					
Styrene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Tetrachloroethylene (PCE)	<0.50	<0.50	<0.50	<0.50	0.50
Toluene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	0.50
Trichloroethylene (TCE)	<0.50	<0.50	<0.50	<0.50	0.50
Trichlorofluoromethane (R11)	<0.50	<0.50	<0.50	<0.50	0.50
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	<0.50	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	<0.50	<0.50	<0.50	0.50
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	0.50
Vinyl chloride	<0.50	<0.50	<0.50	<0.50	0.50
o-Xylene	<0.50	<0.50	<0.50	<0.50	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	<1.0	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	82.0%	84.0%	88.0%	86.0%	80-120
Dibromofluoromethane	88.0%	90.0%	88.0%	90.0%	80-120
Toluene-d8	102%	100%	100%	98.0%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.
Method: Diesel Range Organics by GC/FID

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06
Units: mg/L

Date Sampled:	04/08/06	04/08/06	04/08/06	04/08/06	
Date Prepared:	04/18/06	04/18/06	04/18/06	04/18/06	
Date Analyzed:	04/21/06	04/21/06	04/21/06	04/21/06	
AA ID No:	6D12001-06	6D12001-07	6D12001-08	6D12001-09	
Client ID No:	MW-4	MW-2	MW-1	MW-3	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	<0.10	<0.10	<0.10	<0.10	0.10
Surrogates					**%REC Limits**
o-Terphenyl	64.0%	145%	135%	73.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B6D1322 - EPA 5030B										
Blank (B6D1322-BLK1)				Prepared & Analyzed: 04/13/06						
Acetone	<10	10	ug/L							
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							
Bromobenzene	<0.50	0.50	ug/L							
Bromochloromethane	<0.50	0.50	ug/L							
Bromodichloromethane	<0.50	0.50	ug/L							
Bromoform	<0.50	0.50	ug/L							
Bromomethane	<0.50	0.50	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butyl alcohol (TBA)	<10	10	ug/L							
sec-Butylbenzene	<0.50	0.50	ug/L							
tert-Butylbenzene	<0.50	0.50	ug/L							
n-Butylbenzene	<0.50	0.50	ug/L							
Carbon Disulfide	<0.50	0.50	ug/L							
Carbon Tetrachloride	<0.50	0.50	ug/L							
Chlorobenzene	<0.50	0.50	ug/L							
Chloroethane	<0.50	0.50	ug/L							
Chloroform	<0.50	0.50	ug/L							
Chloromethane	<0.50	0.50	ug/L							
2-Chlorotoluene	<0.50	0.50	ug/L							
4-Chlorotoluene	<0.50	0.50	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<0.50	0.50	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
Dibromomethane	<0.50	0.50	ug/L							
1,3-Dichlorobenzene	<0.50	0.50	ug/L							
1,2-Dichlorobenzene	<0.50	0.50	ug/L							
1,4-Dichlorobenzene	<0.50	0.50	ug/L							
Dichlorodifluoromethane (R12)	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B6D1322 - EPA 5030B										
Blank (B6D1322-BLK1) Continued				Prepared & Analyzed: 04/13/06						
1,1-Dichloroethane	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
1,1-Dichloroethylene	<0.50	0.50	ug/L							
trans-1,2-Dichloroethylene	<0.50	0.50	ug/L							
cis-1,2-Dichloroethylene	<0.50	0.50	ug/L							
1,2-Dichloropropane	<0.50	0.50	ug/L							
2,2-Dichloropropane	<0.50	0.50	ug/L							
1,3-Dichloropropane	<0.50	0.50	ug/L							
cis-1,3-Dichloropropylene	<0.50	0.50	ug/L							
trans-1,3-Dichloropropylene	<0.50	0.50	ug/L							
1,1-Dichloropropylene	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<0.50	0.50	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<0.50	0.50	ug/L							
Styrene	<0.50	0.50	ug/L							
1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L							
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L							
Tetrachloroethylene (PCE)	<0.50	0.50	ug/L							
Toluene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B6D1322 - EPA 5030B										
Blank (B6D1322-BLK1) Continued				Prepared & Analyzed: 04/13/06						
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L							
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L							
1,1,1-Trichloroethane	<0.50	0.50	ug/L							
1,1,2-Trichloroethane	<0.50	0.50	ug/L							
Trichloroethylene (TCE)	<0.50	0.50	ug/L							
Trichlorofluoromethane (R11)	<0.50	0.50	ug/L							
1,2,3-Trichloropropane	<0.50	0.50	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.50	0.50	ug/L							
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L							
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L							
Vinyl chloride	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*41.0*		*ug/L*	*50.0*		*82.0*	*80-120*			
Surrogate: Dibromofluoromethane	*46.1*		*ug/L*	*50.0*		*92.2*	*80-120*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50.0*		*103*	*80-120*			
LCS (B6D1322-BS1)				Prepared & Analyzed: 04/13/06						
Benzene	**19.2**	0.50	ug/L	20.0		96.0	75-125			
Bromodichloromethane	**20.0**	0.50	ug/L	20.0		100	75-125			
Bromoform	**16.6**	0.50	ug/L	20.0		83.0	75-125			
Carbon Tetrachloride	**20.3**	0.50	ug/L	20.0		102	75-125			
Chlorobenzene	**19.1**	0.50	ug/L	20.0		95.5	75-125			
Chloroethane	**19.8**	0.50	ug/L	20.0		99.0	75-125			
Chloroform	**18.9**	0.50	ug/L	20.0		94.5	75-125			
Chloromethane	**18.2**	0.50	ug/L	20.0		91.0	75-125			
Dibromochloromethane	**19.2**	0.50	ug/L	20.0		96.0	75-125			
1,4-Dichlorobenzene	**20.9**	0.50	ug/L	20.0		104	75-125			
1,1-Dichloroethane	**19.1**	0.50	ug/L	20.0		95.5	75-125			
1,2-Dichloroethane (EDC)	**18.5**	0.50	ug/L	20.0		92.5	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B6D1322 - EPA 5030B										
LCS (B6D1322-BS1) Continued				Prepared & Analyzed: 04/13/06						
1,1-Dichloroethylene	**19.1**	0.50	ug/L	20.0		95.5	75-125			
trans-1,2-Dichloroethylene	**20.0**	0.50	ug/L	20.0		100	75-125			
cis-1,2-Dichloroethylene	**17.7**	0.50	ug/L	20.0		88.5	75-125			
1,2-Dichloropropane	**19.8**	0.50	ug/L	20.0		99.0	75-125			
cis-1,3-Dichloropropylene	**19.0**	0.50	ug/L	20.0		95.0	75-125			
Ethylbenzene	**20.7**	0.50	ug/L	20.0		104	75-125			
Gasoline Range Organics (GRO)	**490**	100	ug/L	500		98.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	**17.9**	2.0	ug/L	20.0		89.5	75-125			
Methylene Chloride	**24.3**	5.0	ug/L	20.0		122	75-125			
1,1,2,2-Tetrachloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
Tetrachloroethylene (PCE)	**23.1**	0.50	ug/L	20.0		116	75-125			
Toluene	**19.7**	0.50	ug/L	20.0		98.5	75-125			
1,1,1-Trichloroethane	**19.9**	0.50	ug/L	20.0		99.5	75-125			
1,1,2-Trichloroethane	**20.3**	0.50	ug/L	20.0		102	75-125			
Trichloroethylene (TCE)	**21.0**	0.50	ug/L	20.0		105	75-125			
Vinyl chloride	**19.6**	0.50	ug/L	20.0		98.0	75-125			
o-Xylene	**18.5**	0.50	ug/L	20.0		92.5	75-125			
Surrogate: 4-Bromofluorobenzene	*46.4*		*ug/L*	*50.0*		*92.8*	*80-120*			
Surrogate: Dibromofluoromethane	*44.7*		*ug/L*	*50.0*		*89.4*	*80-120*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50.0*		*95.2*	*80-120*			
Matrix Spike (B6D1322-MS1)				**Source: 6D12001-06** Prepared & Analyzed: 04/13/06						
Benzene	**20.0**	0.50	ug/L	20.0	<0.50	100	70-130			
Bromoform	**21.3**	0.50	ug/L	20.0	<0.50	106	70-130			
Chlorobenzene	**18.6**	0.50	ug/L	20.0	<0.50	93.0	70-130			
Chloroform	**19.9**	0.50	ug/L	20.0	<0.50	99.5	70-130			
1,1-Dichloroethane	**20.1**	0.50	ug/L	20.0	<0.50	100	70-130			
1,1-Dichloroethylene	**18.2**	0.50	ug/L	20.0	<0.50	91.0	70-130			
cis-1,2-Dichloroethylene	**19.3**	0.50	ug/L	20.0	<0.50	96.5	70-130			
1,2-Dichloropropane	**20.0**	0.50	ug/L	20.0	<0.50	100	70-130			
Ethylbenzene	**19.8**	0.50	ug/L	20.0	<0.50	99.0	70-130			
Methyl-tert-Butyl Ether (MTBE)	**20.5**	2.0	ug/L	20.0	<2.0	102	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs, OXY & TPH Gasoline by GC/MS - Quality Control										
Batch B6D1322 - EPA 5030B										
Matrix Spike (B6D1322-MS1) Continued Source: 6D12001-06 Prepared & Analyzed: 04/13/06										
n-Propylbenzene	**18.7**	0.50	ug/L	20.0	<0.50	93.5	70-130			
Tetrachloroethylene (PCE)	**22.7**	0.50	ug/L	20.0	<0.50	114	70-130			
Toluene	**19.2**	0.50	ug/L	20.0	<0.50	96.0	70-130			
1,1,1-Trichloroethane	**19.3**	0.50	ug/L	20.0	<0.50	96.5	70-130			
Trichloroethylene (TCE)	**19.5**	0.50	ug/L	20.0	<0.50	97.5	70-130			
1,3,5-Trimethylbenzene	**18.0**	0.50	ug/L	20.0	<0.50	90.0	70-130			
Vinyl chloride	**19.7**	0.50	ug/L	20.0	<0.50	98.5	70-130			
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.0*		*96.0*	*80-120*			
Surrogate: Dibromofluoromethane	*42.7*		*ug/L*	*50.0*		*85.4*	*80-120*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.0*		*94.2*	*80-120*			
Matrix Spike Dup (B6D1322-MSD1) **Source: 6D12001-06** Prepared & Analyzed: 04/13/06										
Benzene	**20.9**	0.50	ug/L	20.0	<0.50	104	70-130	4.40	30	
Bromoform	**19.9**	0.50	ug/L	20.0	<0.50	99.5	70-130	6.80	30	
Chlorobenzene	**19.4**	0.50	ug/L	20.0	<0.50	97.0	70-130	4.21	30	
Chloroform	**20.7**	0.50	ug/L	20.0	<0.50	104	70-130	3.94	30	
1,1-Dichloroethane	**20.8**	0.50	ug/L	20.0	<0.50	104	70-130	3.42	30	
1,1-Dichloroethylene	**18.5**	0.50	ug/L	20.0	<0.50	92.5	70-130	1.63	30	
cis-1,2-Dichloroethylene	**20.0**	0.50	ug/L	20.0	<0.50	100	70-130	3.56	30	
1,2-Dichloropropane	**21.0**	0.50	ug/L	20.0	<0.50	105	70-130	4.88	30	
Ethylbenzene	**20.4**	0.50	ug/L	20.0	<0.50	102	70-130	2.99	30	
Methyl-tert-Butyl Ether (MTBE)	**19.3**	2.0	ug/L	20.0	<2.0	96.5	70-130	6.03	30	
n-Propylbenzene	**18.5**	0.50	ug/L	20.0	<0.50	92.5	70-130	1.08	30	
Tetrachloroethylene (PCE)	**23.5**	0.50	ug/L	20.0	<0.50	118	70-130	3.46	30	
Toluene	**19.9**	0.50	ug/L	20.0	<0.50	99.5	70-130	3.58	30	
1,1,1-Trichloroethane	**20.1**	0.50	ug/L	20.0	<0.50	100	70-130	4.06	30	
Trichloroethylene (TCE)	**20.9**	0.50	ug/L	20.0	<0.50	104	70-130	6.93	30	
1,3,5-Trimethylbenzene	**17.5**	0.50	ug/L	20.0	<0.50	87.5	70-130	2.82	30	
Vinyl chloride	**20.2**	0.50	ug/L	20.0	<0.50	101	70-130	2.51	30	
Surrogate: 4-Bromofluorobenzene	*46.0*		*ug/L*	*50.0*		*92.0*	*80-120*			
Surrogate: Dibromofluoromethane	*43.8*		*ug/L*	*50.0*		*87.6*	*80-120*			
Surrogate: Toluene-d8	*46.5*		*ug/L*	*50.0*		*93.0*	*80-120*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: MBM Corp.
Project No: NA
Project Name: MBM Corp.

AA Project No: A64601
Date Received: 04/12/06
Date Reported: 04/26/06

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B6D1420 - EPA 3550B										
Blank (B6D1420-BLK1)				Prepared: 04/14/06 Analyzed: 04/19/06						
Diesel Range Organics as Diesel	<5.0	5.0	mg/kg							
Surrogate: o-Terphenyl	*8.40*		*mg/kg*	*10.0*		*84.0*	*50-150*			
LCS (B6D1420-BS1)				Prepared: 04/14/06 Analyzed: 04/19/06						
Diesel Range Organics as Diesel	**200**	5.0	mg/kg	200		100	75-125			
Surrogate: o-Terphenyl	*9.20*		*mg/kg*	*10.0*		*92.0*	*50-150*			
Matrix Spike (B6D1420-MS1)		**Source: 6D12001-01**		Prepared: 04/14/06 Analyzed: 04/19/06						
Diesel Range Organics as Diesel	**233**	5.0	mg/kg	200	<5.0	116	70-130			
Surrogate: o-Terphenyl	*8.90*		*mg/kg*	*10.0*		*89.0*	*50-150*			
Matrix Spike Dup (B6D1420-MSD1)		**Source: 6D12001-01**		Prepared: 04/14/06 Analyzed: 04/19/06						
Diesel Range Organics as Diesel	**244**	5.0	mg/kg	200	<5.0	122	70-130	4.61	40	
Surrogate: o-Terphenyl	*9.20*		*mg/kg*	*10.0*		*92.0*	*50-150*			
Batch B6D1901 - EPA 3510C										
Blank (B6D1901-BLK1)				Prepared: 04/18/06 Analyzed: 04/21/06						
Diesel Range Organics as Diesel	<0.10	0.10	mg/L							
Surrogate: o-Terphenyl	*0.0250*		*mg/L*	*0.0500*		*50.0*	*50-150*			
LCS (B6D1901-BS1)				Prepared: 04/18/06 Analyzed: 04/21/06						
Diesel Range Organics as Diesel	**1.05**	0.10	mg/L	1.00		105	75-125			
Surrogate: o-Terphenyl	*0.0395*		*mg/L*	*0.0500*		*79.0*	*50-150*			
LCS Dup (B6D1901-BSD1)				Prepared: 04/18/06 Analyzed: 04/21/06						
Diesel Range Organics as Diesel	**1.10**	0.10	mg/L	1.00		110	75-125	4.65	30	
Surrogate: o-Terphenyl	*0.0350*		*mg/L*	*0.0500*		*70.0*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	MBM Corp.	**AA Project No:**	A64601
Project No:	NA	**Date Received:**	04/12/06
Project Name:	MBM Corp.	**Date Reported:**	04/26/06

Special Notes

Viorel Vasile
Operations Manager

A64601/GD12001

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Cell: (707) 235-9979

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No._____
Laboratory Please Call Accounts Payable for P.O. No.

Date: _____ Sheet ___ Of ___

Project Name MBM, Corporation
Project Number
Address 5675 Sunol Blvd
Pleasanton, CA 94566
Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Sample Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers & TPHg, BTEX + Full List*	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	Comments
MW-4	5½-6	04/05/06	12⁰⁰ PM		X											X		EF/Geotracker* GD12001-01
"	10½-11		12¹⁰ PM															-02
"	15½-16		12²⁰ PM															-03
"	20-20½		12³⁰ PM															-04
"	25½-26	↓	1⁰⁰ PM													↓		-05
MW-4		04/06/06	10⁴⁰ AM											X			X	-06
MW-2			12⁴⁰ PM															-07
MW-1			2²⁵ PM															-08
MW-3		↓	4⁰⁵ PM		↓									↓			↓	-09

*: as requested by F. Goldman on 04/12/06

American Analytics
9765 Eton Ave
Chatsworth, CA 91311
Phone: (818) 998-5547

Phone

Turnaround Time
☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to: Frank

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman FedEx	4/11/06	11⁰⁰ AM	FedX	4/10/06	11⁰⁰ AM
			J. Eden	4/12/6	10:24
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:
Keep on Ice

approved as work order at 1230 V. Voisin

Appendix B
Soil Boring Log & Well Construction Detail

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO WATER 1ST ENCOUNTERED: 13 ft	BORING DIAMETER: 8 inch	DRILLING METHOD: HSA

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	Time & PID reading	DEPTH	WATER 1st encountered	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Asphalt surface						
Base Rock		11:20 am to 11:50 am	1–3			GP
Silty clay, dark green, soft to firm, slightly moist to moist, no odor			4–5			
	■	0 ppm 12:00 pm	6–9			CL/ ML
	■	0 ppm 12:10 pm poor recovery	10–12	GW ▽ 12:15 pm		
Silty clay, brown, soft to firm, moist, no odor			13–14			
	■	0 ppm 12:20 pm	15–16			
Silty sand, light brown, dense, medium to coarse, very moist to wet; more coarse with depth			17–20			SM

BORING NO. **MW- 4**

DATE: 04-05-06

MBM Transportation, Inc.
5675 Sunol Blvd.
Pleasanton, CA

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	Frank Goldman
DEPTH TO WATER 1ST ENCOUNTERED: 13 ft	BORING DIAMETER: 8 inch	DRILLING METHOD: HSA

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty sand, light brown, dense, medium to coarse, very moist to wet; more coarse with depth		0 ppm 12:30 pm	21			SM
Sandy gravel, light brown, dense to very, dense, coarse to very coarse, wet			22 23			GW
Clayey silt with sand, brown, firm, wet			24 25			ML
		0 ppm 1:00 pm	26			
End @ 26 ½ feet bgs, water @ 13', no caving, base rock fill from 0' to 3' bgs			27 28 29 30 31 32 33 34 35 36 37 38 39 40			

BORING NO. **MW- 4**

DATE: 04-05-06

MBM Transportation, Inc.
5675 Sunol Blvd.
Pleasanton, CA

Appendix C
Land Survey May 09, 2006

CITY OF PLEASANTON BENCH MARKS

DESIGNATION: P 1257 ELEVATION: 351.991 351.986 C of P 1986

GRID: D5 ESTABLISHED: 1975

RECOVERED: 1-22-86

DESCRIPTION:

DESCRIPTION OF BENCH MARK

Designation P 1257 State California County Alameda
Nearest town Pleasanton County Alameda Chief of party R. Gerrish
Distance and direction from nearest town At Pleasanton Leveling date 11/74 1974
Character of mark NGS BM Disk Stamping P 1257 1974
Established by National Geodetic Survey Section T 3 S R 1 E
Detailed description

At Pleasanton, about 0.15 mile south along Santa Rita Road from the crossing of the Western Pacific Railroad, at the southwest corner and in the deck of bridge across Arroyo del Valle Canal, 27½ feet west of the center line of road, 6.7 feet north of the south end of the west concrete base for guardrail, 0.8 foot east of guardrail base, level with the deck of bridge and 6 feet east of the west end of south concrete bridge abutment.

DESIGNATION: P 929 ELEVATION: 361.777 361.871 361.910 C of P 1986

GRID: D5 ESTABLISHED: 1961 1975

Recovered: 1-28-86

DESCRIPTION:

DESCRIPTION OF BENCH MARK

Designation P 929 State California County Alameda
Nearest town Pleasanton County Alameda Chief of party C. Symns
Distance and direction from nearest town 0.5 mile northeast Leveling date May 1958
Character of mark Brass disk Stamping P 929 1958
Established by C&GS
Detailed description 0.5 mile northeast along the Southern Pacific Company railroad from the crossing of Neal Street at Pleasanton, along Pleasanton-Livermore Road, at a concrete highway bridge over Arroyo Valle, in the top of the southwest end of the northwest concrete sidewalk, 18 feet northwest of the center line of the road, 0.6 foot southwest of the southwest end of a steel hand rail, and about 1 foot higher than the road. Recovered as Described - Date 1965

Recovered as described in the fall of 1960.

DESIGNATION: J 1259 ELEVATION: 350.858

GRID: D4 ESTABLISHED: 1975

DESCRIPTION:

Designation J 1259 State California County Alameda
Nearest town Pleasanton County Alameda Chief of party R. Gerrish
Distance and direction from nearest town 0.8 mile northeast Leveling date 11/74
Character of mark NGS Disk Stamping J 1259 1974
Established by National Geodetic Survey Section T 3 S R 1 E
Detailed description

Recovered 2/5/86
destroyed 1/24/94

About 0.8 mile northeast along the Southern Pacific Railroad from the crossing of Neal Street at Pleasanton, 0.25 mile (11 poles) southwest of milepole 42, 31.8 feet southeast of the southeast rail, 49 feet northwest of the center line of Stanley Boulevard, 79 feet southeast of and across the tracks from the 11th telephone pole from the milepole, 25 feet northwest of ~~the junction~~ power line pole number 10 with one guy wire, 39 feet north of paddle board # 0.59, 3 feet northwest of a telephone pole with one guy wire, 1.8 feet southwest of a metal witness post, about 7 feet lower than the track, and is a disk on top of a copper coated steel rod 0.3 foot below the surface of the ground which is protected by a 4-inch plastic pipe that projects 0.1 foot. The rod was driven 16 feet to gradual refusal.

DESIGNATION: S 1257 ELEVATION: 327.333

GRID: C6 ESTABLISHED: 1975

DESCRIPTION:

Recovered: 1-24-86

Designation S 1257 State California County Alameda
Nearest town Pleasanton County Alameda Chief of party R. Gerrish
Distance and direction from nearest town 0.5 mile southwest Leveling date Nov. 1974
Character of mark NGS bench mark disk Stamping S 1257 1974
Established by NGS
Detailed description Section T R

0.5 mile southwest along the Southern Pacific Company railroad from the crossing of Neal Street at Pleasanton, at the north corner of a corner of a cyclone fence of the Pleasanton Sewage Treatment Plant, 49.5 feet southeast of the southeast rail, 77 feet northwest of the center line of Sunol Boulevard, 43.8 feet northeast of the north corner of the plant lift station, 5.2 feet south of fence corner, 5.0 feet southwest of fence, 2.2 feet southeast of a fence, 1.3 feet southeast of a metal witness post, about 2 feet lower than the track, and a disk

20633 A CONT

+	HI	−	ELEV	STA	DESC	
	345.25 ~~345.25~~		339.108		BM #8	
6.08		6.10	339.15		N' RIM MH	#4
		6.76	338.49		N' CASE MH	#4
		4.89	340.36		N' RIM MH	#1
		5.47	339.78		N' CASE MH	#1
5.34	345.12				"	
		4.77	340.35		N' RIM MH	#1
		6.63	338.49		N' CASE MH	
		5.98	339.14		N' RIM MH	
		5.95	339.17	✓	BM #8	

20633-A MBM CORP.RAW 05/09/06 10:29:44

JOB:Name: 20633-A MBM CORP	Date: 05-05-2006	Time: 12:08:34		
M Setup:North Azimuth	Units: US Feet	Scale: 1.000000	Curvature: On	Angle: Degrees
Store:Point: 1	North: 10,000.0000	East: 10,000.0000	Elev: 300.00	SET CUT X
Occupy:Occ: 1	North: 10,000.0000	East: 10,000.0000	Elev: 300.00	SET CUT X
HI/HR :H Inst: 5.08	H Rod: 4.18			
Backst:Occ: 1	BS pt: 0	BS azm: 0°00'00"	BS crl: 0°00'00"	
Sd Shot:1-2	Ang R: 0°00'00"	Zen: 90°10'30"	S Dst: 517.940	BM S-1257
HI/HR :H Inst: 5.08	H Rod: 5.21			
Sd Shot:1-3	Ang R: 179°36'06"	Zen: 89°57'16"	S Dst: 475.330	SET CUT X
Note: ** Job Translated, azm: 90°00'00" dist: 0.000				
Occupy:Occ: 3	North: 9,524.6816	East: 10,003.3046	Elev: 328.26	SET CUT X
HI/HR :H Inst: 5.21	H Rod: 5.06			
Backst:Occ: 3	BS pt: 1	BS azm: 359°36'06"	BS crl: 0°00'00"	
Occupy:Occ: 3	North: 9,524.6816	East: 10,003.3046	Elev: 328.26	SET CUT X
Backst:Occ: 3	BS pt: 1	BS azm: 359°36'06"	BS crl: 0°00'00"	
Note: BS check 3 - 1:ZE90.0305,SD475.33,HD err= -0.000024, VD err= -0.039121				
Note: BS Circle check : angular err= 0.0000				
Occupy:Occ: 3	North: 9,524.6816	East: 10,003.3046	Elev: 328.26	SET CUT X
Backst:Occ: 3	BS pt: 1	BS azm: 359°36'06"	BS crl: 0°00'00"	
Note: BS check 3 - 1:ZE90.0305,SD475.33,HD err= -0.000024, VD err= -0.039121				
Note: BS Circle check : angular err= 0.0000				
HI/HR :H Inst: 5.21	H Rod: 4.18			
Sd Shot:3-4	Ang R: 176°02'52"	Zen: 90°22'41"	S Dst: 526.820	SET MAG
Occupy:Occ: 4	North: 8,999.3910	East: 10,043.2675	Elev: 325.82	SET MAG
HI/HR :H Inst: 5.30	H Rod: 5.21			
Backst:Occ: 4	BS pt: 3	BS azm: 355°38'58"	BS crl: 0°00'00"	
Occupy:Occ: 4	North: 8,999.3910	East: 10,043.2675	Elev: 325.82	SET MAG
Backst:Occ: 4	BS pt: 3	BS azm: 355°38'58"	BS crl: 0°00'00"	
Note: BS check 4 - 3:ZE89.4437,SD526.81,HD err= -0.003943, VD err= 0.017669				
Note: BS Circle check : angular err= 0.0000				
HI/HR :H Inst: 5.30	H Rod: 4.18			
Sd Shot:4-5	Ang R: 184°38'59"	Zen: 88°45'45"	S Dst: 490.520	SET MAG
Occupy:Occ: 5	North: 8,508.9923	East: 10,040.7069	Elev: 337.55	SET MAG
HI/HR :H Inst: 5.25	H Rod: 5.30			
Backst:Occ: 5	BS pt: 4	BS azm: 0°17'57"	BS crl: 0°00'00"	
Occupy:Occ: 5	North: 8,508.9923	East: 10,040.7069	Elev: 337.55	SET MAG
Backst:Occ: 5	BS pt: 4	BS azm: 0°17'57"	BS crl: 0°00'00"	
Note: BS check 5 - 4:ZE91.2151,SD490.55,HD err= 0.005859, VD err= -0.004981				
Note: BS Circle check : angular err= 0.0001				
HI/HR :H Inst: 5.25	H Rod: 4.18			
Sd Shot:5-6	Ang R: 188°10'47"	Zen: 87°45'22"	S Dst: 490.300	SET CUT X
Occupy:Occ: 6	North: 8,024.4234	East: 9,968.4701	Elev: 357.82	SET CUT X
HI/HR :H Inst: 4.88	H Rod: 5.25			
Backst:Occ: 6	BS pt: 5	BS azm: 8°28'44"	BS crl: 0°00'00"	
Occupy:Occ: 6	North: 8,024.4234	East: 9,968.4701	Elev: 357.82	SET CUT X
Backst:Occ: 6	BS pt: 5	BS azm: 8°28'44"	BS crl: 0°00'00"	
Note: BS check 6 - 5:ZE92.1941,SD490.33,HD err= 0.002098, VD err= -0.011038				
Note: BS Circle check : angular err= 0.0000				
HI/HR :H Inst: 4.88	H Rod: 4.90			
Sd Shot:6-7	Ang R: 260°16'34"	Zen: 91°16'21"	S Dst: 507.700	SET CUT X
Occupy:Occ: 7	North: 8,013.3950	East: 9,461.0149	Elev: 346.53	SET CUT X
HI/HR :H Inst: 5.27	H Rod: 4.88			
Backst:Occ: 7	BS pt: 6	BS azm: 88°45'18"	BS crl: 0°00'00"	
Occupy:Occ: 7	North: 8,013.3950	East: 9,461.0149	Elev: 346.53	SET CUT X
Backst:Occ: 7	BS pt: 6	BS azm: 88°45'18"	BS crl: 0°00'00"	

20633-A MBM CORP.RAW 05/09/06 10:29:44

Note: BS check 7 - 6:ZE88.4600,SD507.7,HD err= 0.007086, VD err= 0.0336
Note: BS Circle check : angular err= 0.0000

Occupy:Occ: 7	North: 8,013.3950	East: 9,461.0149	Elev: 346.53	SET CUT X
Backst:Occ: 7	BS pt: 6	BS azm: 88°45'16"	BS crl: 0°00'00"	

Note: BS check 7 - 6:ZE88.4607,SD507.7,HD err= 0.007459, VD err= 0.016374

Note: BS Circle check : angular err= 0.0000

Sd Shot:7-8	Ang R: 165°16'24"	Zen: 90°51'47"	S Dst: 562.510	SET SQUARE
Store:Point: 18	North: 7,858.6312	East: 8,920.2801	Elev: 338.45	SET SQUARE
HI/HR :H Inst: 5.27	H Rod: 4.18			
Sd Shot:7-8	Ang R: 165°16'22"	Zen: 90°51'41"	S Dst: 562.510	SET CUT X
Store:Point: 8	North: 7,858.6258	East: 8,920.2814	Elev: 339.17	SET CUT SQ/BM

20633A_IN.CR5 05/09/06 10:28:50

Point	Northing	Easting	Elevation	Description
1	10,000.0000	10,000.0000	328.01	SET CUT X
2	10,517.9376	10,000.0000	327.33	BM S-1257
3	9,524.6816	10,003.3046	328.26	SET CUT X
4	8,999.3910	10,043.2675	325.82	SET MAG
5	8,508.9923	10,040.7069	337.55	SET MAG
6	8,024.4234	9,968.4701	357.82	SET CUT X
7	8,013.3950	9,461.0149	346.53	SET CUT X
8	7,858.6258	8,920.2814	339.17	SET CUT SQ/BM

Appendix D
Well Development Logs

Sampling Event Logs - MBM - April 08, 2006

Well No	Depth Of Well	Depth ToWater	Gallons purged	TEMP C/F	EC (us/cm)	PH	Turbidity NTUs	Casing Diam	TIME	DATE
MW-4	26'	6.13'						2 inch		04-08-06
1			20	15.5	491	6.3	601		7:35 am	
2			10	16.5	281	6.7	275		8:15 am	
3			10	16.9	272	6.8	267		9:30 am	
4			10	17.1	263	6.8	251		10:20 am	

Well No	Depth Of Well	Depth ToWater	Gallons purged	TEMP C/F	EC (us/cm)	PH	Turbidity NTUs	Casing Diam	TIME	DATE
MW-2	26'	6.71'						2 inch		04-08-06
1			6	15.7	387	6.0	289		11:10 am	
2			4	15.9	204	6.1	202		11:40 am	
3			3	16.4	182	6.2	179		12:00 am	
4			3	16.7	174	6.3	164		12:30 am	

Well No	Depth Of Well	Depth ToWater	Gallons purged	TEMP C/F	EC (us/cm)	PH	Turbidity NTUs	Casing Diam	TIME	DATE
MW-1	26'	5.94'						2 inch		04-08-06
1			6	16.9	389	6.2	304		1:10 pm	
2			4	17.1	223	6.3	232		1:40 pm	
3			3	17.1	211	6.4	223		2:05 pm	
4			3	17.2	204	6.6	212		2:20 pm	

Well No	Depth Of Well	Depth ToWater	Gallons purged	TEMP C/F	EC (us/cm)	PH	Turbidity NTUs	Casing Diam	TIME	DATE
MW-3	26'	6.75'						2 inch		04-08-06
1			7	15.0	312	5.9	601		2:55 pm	
2			3	15.7	286	6.1	445		3:40 pm	
3			3	16.0	279	6.1	241		3:50 pm	
4			3	16.3	275	6.3	211		4:00 pm	