INTERNATIONAL ENVIRONMENTAL CORPORATION

12714 W. HAMPTON AVENUE (LLW)
BUTLER, WISCONSIN 53007

(262) 790-0965
FAX (262) 790-0969

January 14, 2000

Wisconsin Department of Commerce
101 East Pleasant
Milwaukee, WI 53212

Subject: **Remedial Investigation Report and Remedial Action Plan for D&M Motors, 5923 West Lincoln Avenue, West Allis, WI**
BRRTS NUMBER 03-41-184130
PECFA CLAIM NUMBER 53219-2109-23

Dear Sir or Madame:

Enclosed you will find the above-referenced report. This report complies with Wisconsin Department of Commerce and Wisconsin Department of Natural Resources regulations and procedures.

Please review the report at your earliest convenience. If you have any questions, please contact us.

Sincerely,
International Environmental Corporation

Mark E. Dorow
Hydrogeologist

Enclosures

cc: NG Services, Inc./Client
WDNR
File

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REMEDIAL INVESTIGATION REPORT
and
REMEDIAL ACTION PLAN

for

D & M Motors
5923 West Lincoln Ave.
West Allis, WI

BRRTS NUMBER: 03-41-184130

PECFA CLAIM NUMBER: 53219-2109-23

January 14, 2000

I, Mark E. Dorow, hereby certify that I am a hydrogeologist as that term is defined in NR 712.03(1), Wisconsin Administration Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR700 to 725 Wisconsin Administrative Code

Mark E. Dorow

1-14-2000

Date

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BUTLER, WISCONSIN 53007

(262) 790-0965
FAX (262) 790-0969

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1.0 INTRODUCTION

On behalf of, and under contract to, NG Services, Inc., International Environmental Corporation (IEC) submits this "Remedial Investigation Report" to the Wisconsin Department of Natural Resources (WDNR) and Wisconsin Department Commerce (COM).

1.1 Site Name, Address, and Location

D & M Motors	BRRTS #	03-41-184130
5923 W. Lincoln Ave.	FID #	241956660
West Allis, WI	PECFA #	53219-2109-23

Figure 1 shows the regional location of the property on a portion of an U.S. Geological Survey Quadrangle. Figure 2 presents the site plan and identifies site structures, boundaries, approximate locations of the former and existing underground storage tanks, soil probes and borings, and groundwater monitoring wells.

The site is cadestrally located in the NW 1/4 of the NW 1/4 of Section 11, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

1.0 INTRODUCTION - Continued

1.2 Name and Phone Number of Owner, Operator, and Client

Responsible Party for Site and System:

NG Services, Inc.

c/o WFA Asset Management Corp.

P.O. Box 320400

Franklin, WI 53132

Attention: Mr. Carl Busateri

1.3 Consultant's Name

International Environmental Corporation

12714 W. Hampton (LLW)

Butler, WI 53007

(414) 790-0965

Project Manager:

Mr. Mark E. Dorow

1.0 INTRODUCTION – Continued

1.4 Site Description

This site is a former gasoline station currently used for used motor vehicle sales. It is situated at the southeast corner of the intersection of Lincoln Ave. and S. 60th Street in the City of West Allis, State of Wisconsin. This site is bordered by City of West Allis right-of-ways to the north (W. Lincoln Ave.), west (S. 60th Street), and south (alley), and a private business to the east. Due to easements for potential right-of-way expansion, the existing right-of-way extends 6 to 8 feet inside the sidewalk of the site.

Site structures consist of the main building on the southeast portion, with a storage shed connected to the south wall of the main building. A majority of the remaining property is concrete covered. One UST of unknown size is known to exist north of the service bay doors.

Underground utilities for the site include City of West Allis Water Department, Milwaukee Metro Sewerage Department, City of Milwaukee, Wisconsin Electric, and Wisconsin Gas.

1.0 INTRODUCTION – Continued

1.5 Site History

This site was an operating gasoline station from approximately 1924, through the mid-1980's. Recently, the site is being used as an independent used car dealership. Review of City of West Allis Fire Department and Building Inspector records indicate that several USTs have been installed and removed from this site during the service station operation period. The following USTs have been indicated as installed or removed by review of COM and City of West Allis records:

- One 500 gallon gasoline (installed 1924)
- One 560 gallon (unknown Contents) (Installed 1941)
- One 275 gallon fuel oil (installed 1946)
- Two 1000 gallon gasoline [(1) installed 1960 and removed 1980
  (1) installed 1980]
- One 2000 gallon fuel oil (Removed 11-12-1993)
- One 2000 gallon kerosene (Removed 11-12-1993)

One UST of undetermined size is known to remain on site.

A petroleum release was reported to the WDNR on January 29, 1998 Mr. Greg Walsh of Assured Environmental. NG Services, Inc., (Mr. George Tsitsos) was notified by the WDNR in a letter dated April 2, 1998 of the legal responsibilities regarding the investigation and remediation of the site. NG Services retained International Environmental Corporation to conduct a remedial investigation at the site.

2.0 OBJECTIVES AND SCOPE OF WORK

The objectives of this remedial investigation were to:

- Establish the magnitude and extent of impact to soil by released petroleum product.
- Determine the potential occurrence, magnitude, and extent of impact to groundwater by released petroleum product.
- Determine if the released petroleum product impacted any off-site properties.
- Develop a remedial action plan for the site, if necessary.

The scope of this investigation was to:

- Install and sample soil borings utilizing truck mounted soil-probe/boring equipment.
- Characterize soil types.
- Identify the potential concentration and extent of petroleum contamination in subsurface soils.
- Twin or convert selected soil probe/borings to groundwater monitoring wells.
- Construct and develop each monitoring well to comply with Chapter NR 141 of the Wisconsin Administrative Code.
- Collect appropriate groundwater samples from each monitoring well for laboratory analyses.
- Prepare a report presenting the results of this investigation and recommend an appropriate remedial action plan for the site, if necessary.

3.0 METHOD OF INVESTIGATION

3.1 Soil boring Investigation

Seven (7) on-site soil probes (P-1 through P-7) were installed on the site on February 4, 1999. One additional soil boring (SB-8) was installed in the Lincoln Ave., right-of-way on May 28, 1999, and two additional borings (SB-9 and SB-10) were installed (one on site and one off site, on the adjacent commercial property) August 13, 1999. Locations of each boring can be found in Figure 2. Soil probe/boring locations were selected to aid in determination of the extent of petroleum contaminant migration in either the soil or the groundwater.

Soil borings were installed using a truck-mounted, direct-push, soil-probing rig, or a truck mounted drill-rig utilizing hollow stem augers (HSA) of 4¼-inch ID. Soil samples were collected either by pushing 4-foot long, 2-inch diameter soil probe tubes, or by hammer-driven, 2-inch diameter, split spoon (SS) sampling devices. Drill rig and drilling equipment were steam-cleaned prior to installing any borings and between each use. Probe and SS soil sampling devices were decontaminated prior to use and between samples by washing them in an Alconox® detergent solution, and rinsing twice in potable water.

3.0 METHOD OF INVESTIGATION – continued

3.1 Soil boring Investigation – continued

During advancement, soil probe samples were collected in 4-foot intervals, with each interval divided into 2 approximately equal sections. The upper section of the sample was designated as "A" and the lower section of the sample was designated as "B". Split-spoon samples were collected at two-foot intervals to determine the position of lithic changes, contamination occurrence, and contaminant concentration. Recovered soil samples were split to ensure uniform analytical and field data correlation. Field screening of soil samples was accomplished by using a Thermo-Environmental Industries organic vapor meter photoionization detector (PID) with a 10.6 electron volt, ultraviolet lamp. This instrument analyzed the headspace samples for the presence of ionizable organic compounds (IOC). PID readings are reported as instrument units (IU) and represent isobutylene equivalents in parts-per-million. The PID was calibrated at the beginning of each day and field checked periodically during daily use.

Field portions of each recovered sample were collected in 4.5 by 9-inch resealable polyethylene bags for headspace analysis. Each bag was filled approximately half full of soil, sealed, agitated, and placed in a warm environment, out of direct sunlight. After thirty minutes, the PID probe was inserted one-half way into the headspace area, with the highest instrument reading recorded (Table 1). Physical soil sample descriptions, sample interval and field observations are noted on Soil Boring Log Information Forms included in Appendix A. Soil cuttings generated during investigation activities were stored on and fully covered with bermed plastic sheeting to prevent potential spreading of contaminants or soil material.

3.0 METHOD OF INVESTIGATION – continued

3.2 Monitoring Well Installation and Development

Locations of groundwater monitoring wells constructed during this investigation are indicated in Figure 2. Four soil probe borings (P-1, P-4, P-5 and P-7) were twinned with soil borings and converted into groundwater monitoring wells MW-1, MW-4, MW-5, and MW-7 respectively. Three (3) soil borings (B-8, SB-9 and SB-10) were converted into groundwater monitoring wells MW-8, MW-9 and MW-10, respectively. Monitoring wells were constructed with Environmental Well Products flush-threaded two-inch inside diameter (ID) schedule 40 polyvinyl chloride (PVC) with 0.010-inch factory slotted screens. Well screens were set in place with Red Arrow Flint 80-120 sand, sealed with Red Arrow Silica 35-45 fine sand, and hydrated granular bentonite. Granular bentonite annular space seals, at least two (2) feet in thickness, overlie the bentonite filter pack seal of each well. Each groundwater monitoring well is capped with a locking plug and protected with a steel flush-mount protective cover. Flush-mounts are set in place with cement grout poured to the surface.

Monitoring well casing tops were subsequently surveyed to a Wisconsin Department of Transportation (WDOT) benchmark (fire hydrant) located at the southwest corner of the intersection of Lincoln Avenue and 60th Street. The elevation of the northwest flange nut of fire hydrant was given as 705.03 ft above mean sea level (circa 1936). Elevations were transferred to the top of each monitoring well PVC riser pipe using a conventional leveling technique.

3.0 METHOD OF INVESTIGATION – continued

3.2 Monitoring Well Installation and Development - Continued

Each groundwater monitoring well was developed in accordance with Chapter NR 141.21 of the Wisconsin Administrative Code. Each monitoring well was bailed dry, up to ten times, or until sediment-free water was produced. Water levels were taken prior to and upon completion of development.

Monitoring well Construction Forms and Monitoring Well Development Forms can be found in Appendix B.

3.3 Soil Sampling Procedures and Chemical Analyses

Selected soil samples were laboratory analyzed for gasoline range organics (GRO), diesel range organics (DRO), volatile organic compounds (VOC), and lead. Analytical methods used were WDNR GRO Modified Method for GRO; WDNR DRO Modified Method for DRO; Method 8260B for VOC; and Method SW 7420 for lead. Appropriate quantities (approximately 25 grams) of each analytical portion of selected samples were placed into 60-ml glass jars. GRO samples were field preserved with 25 ml of purge and trap grade methanol. DRO samples were preserved by laboratory personnel. Additional portions of the sample were placed in 120-ml plastic jars for percent moisture analysis necessary with GRO analysis. All jars were clearly labeled, recorded on chain of custody forms, and stored on ice during transport to a State of Wisconsin Certified Laboratory [APL Inc. 8222 W Calumet Rd. Milwaukee, WI 53224-9008] for GRO, VOC, and Lead analysis. Trip blanks accompanied each soil-sampling event. Complete soil sample laboratory analytical results and chain of custody documentation are included in Appendix C.

3.0 METHOD OF INVESTIGATION – continued

3.4 Borehole Abandonment

Each probe boring was abandoned in accordance with NR 141 Abandonment Guidelines after use was discontinued. Borehole abandonment was completed by backfilling with 3/8 inch chipped bentonite hydrated in two-foot lifts and sealing with Asphalt quick-patch. Water used for hydration was obtained from the City of West Allis water supply. Complete borehole abandonment documentation is presented in Appendix A.

3.5 Groundwater Sampling and Chemical Analyses

Prior to the sampling of groundwater monitoring wells, four well volumes of water were purged from each. Water samples were collected using disposable polyethylene bailers manufactured by AQUA BAILER. Bailer collected water samples were field filtered if necessary, transferred to an appropriate size and type container that was prepreserved if necessary, and sealed. Each vial/container was clearly marked, recorded on a chain of custody form and stored on ice during transport to the laboratory facility for analyses. APL performed all analyses for this investigation. Groundwater samples were analyzed for VOC using EPA Method 8260B, GRO using WDNR Modified GRO Method, DRO using WDNR Modified DRO Method, and lead using Method 7421. Trip blanks accompanied all groundwater VOC/GRO sampling events.

Complete groundwater sample laboratory analytical results and chain of custody documentation are included in Appendix D.

3.0 METHOD OF INVESTIGATION – continued

3.5 Groundwater Sampling and Chemical Analyses - Continued

Additional groundwater samples were collected and analyzed for additional parameters to calculate natural attenuation potential. These parameters included the following:

- Alkalinity (method EPA 310.1)
- Ammonia nitrogen
- Biological oxygen demand (BOD) total (method 5210B)
- Heterotrophic Bacteria (method SM 907)
- Iron (method EPA 236.1)
- Kjeldahl Nitrogen, Total (TKN) (method EPA 351.2)
- Manganese
- Methane (method RSK SOP 175)
- Nitrogen, Nitrate (method EPA 352.2)
- Organic Carbon, Total (TOC) (method SW 843/9060)
- Phosphorus, ortho (method EPA 365.1)
- Sulfate, total (method EPA 375.2)

Complete groundwater sample laboratory analytical results and chain of custody documentation are included in Appendix E.

4.0 DESCRIPTION OF SITE CONDITIONS

4.1 Regional Geology

Regional geology for the City of West Allis area has been documented in several previous publications. Unconsolidated glacial deposits of this region were placed by advancing or receding movements of the Lake Michigan Lobe of the Late Wisconsinan Stadial Period glaciation.

Based on a 1984 organization of glacial litho-stratigraphic units by glacial lobe (Mickelson, Clayton, Baker, Mode, and Schneider-1984), the uppermost-unconsolidated unit in the West Allis area is the Oak Creek Formation (Fm). This Fm is characterized as "a fine-textured glacial till, lacustrine clay, silt, and sand, and some glaciaofluvial sand and gravel and may reach a thickness of 35 meters in places. The Oak Creek Fm can be distinguished from other tills by the state of color, the high silt-clay content, dolomite clasts, and dark gray to black shale chips.

Underlying the Oak Creek Fm is the New Berlin Fm. This Fm consists of an upper or glacial till unit and a lower sand and gravel unit (neither formally defined) and is at least 22 meters thick. The upper unit is a gravely sandy loam till defined by abundant pebbles, sandy texture, brown to yellowish-brown color and the high carbonate content. The lower unit consists of primarily sands and gravel.

Underlying the New Berlin Fm is the Tiskilwa Member of the Zenda Fm. This Fm is described as slightly to moderately stony, with a matrix of sand silt and clay. Variations of matrix component percentages are common. No typical or regional thickness was defined.

4.0 DESCRIPTION OF SITE CONDITIONS - Continued

4.1 Regional Geology - continued

A till unit identified as the Capron till underlies the Tiskilwa Member. This till is defined as similar to the Tiskilwa, with a less red color. Little additional information was available on this till.

Underlying the unconsolidated deposits is a sequence of Silurian, Ordovician, and Cambrian-aged dolomite, sandstone, and shale. Precambrian igneous and metamorphic rocks form the basement complex for this region

4.2 Regional Hydrogeology

Municipal groundwater supplies in this region are primarily obtained from the Cambrian Sandstone Formations. Recharge of these Formations principally occurs in the mid-eastern region of Wisconsin, with regional groundwater flow eastward, toward Lake Michigan. Large scale pumping of this aquifer has created a regionally established cone of depression in the southeastern Wisconsin region, creating a general downward potential for groundwater flow.

Lesser quantities of groundwater can be obtained from the Niagara Formation, the uppermost bedrock formation. Recharge to the Niagara Formation is primarily of local origin, with short flow paths commonly allowing rapid aquifer response.

4.0 DESCRIPTION OF SITE CONDITIONS - Continued

4.3 Site Geology

Site geology was determined by the installation of a combination of ten soil probes and soil borings. Native soils beneath the site are primarily composed of glacial deposited materials (tills) consisting of clayey-silt to silty-clay with varying amounts of sand and gravel, to varved sand-silt deposits. Several areas of the site have soils that appear to be human placed or fill material. These materials extend from approximately 0-1 foot in depth to as deep as 12 feet in the areas of the former underground storage tanks.

Figure 3 illustrates the tracks used to develop the cross-sections of the site indicated in Figure 4. Figure 4 suggests the general lithology of the soils, possible correlation of soils indicated in each soil boring, location of associated groundwater monitoring wells, and location of the measured groundwater equipotential surface.

4.0 DESCRIPTION OF SITE CONDITIONS - Continued

4.4 Site Hydrogeology

Site hydrogeology was investigated using six (6) groundwater-monitoring wells installed as described in Section 3. Groundwater elevation data collected for this site are presented in Table 2 and graphed in Figure 5. Depth to groundwater for these monitoring wells ranged from approximately 4.2 to 10.5 feet below ground level (BGL).

Groundwater data collected September 8, 1999 was used to calculate the equipotential surface map depicted in Figure 6. Review of the plotted groundwater equipotential suggests that groundwater migration is from south to north.

4.4.1 Estimated Hydraulic Conductivity

As previously stated, field observations of lithologic samples and information found in literature (Mickelson, Clayton, Baker, Mode, and Schneider-1984) suggest soils immediately underlying this site are glacial tills. Specifically, the Oak Creek Formation, which is characterized as "a fine-textured glacial till, lacustrine clay, silt, and sand, and some glaciaofluvial sand and gravel" and is differentiated from other tills by the "high silt-clay content". Using data from Applied Hydrogeology, Table 4.5 (Fetter 1988), the range of hydraulic conductivities for till are from $1X10^{-4}$ to $1X10^{-6}$ centimeters per second (cm/sec). The high silt-clay content suggests that lower hydraulic conductivities values, between $1X10^{-5}$ and $1X10^{-6}$ cm/sec, are a reasonable estimate for the native soils of the site. Therefore, the estimated hydraulic conductivity for native sediments of this site is between $1X10^{-5}$ and $1X10^{-6}$ cm/sec. Higher hydraulic conductivity values may be present in human placed materials of the site, but these will be primarily restricted to the former UST area and utility installations.

5.0 DISCUSSION OF SITE CONDITIONS

5.1 Soil Contamination Distribution

Soil sampling, in-field headspace analysis, and laboratory analyses were conducted as described in Section 3. PID measurements and analytical results associated with selected samples are presented in Table 1. Complete detailed borelogs are shown in Appendix A. Complete soil sample laboratory analytical result documentation is presented in Appendix C.

Laboratory analytical results and field screening information were used to estimate the extent of petroleum impacts to site soils. Soil contamination is identified as a plume of GRO/VOC range components by laboratory analyses of soil samples collected from probes P-3, P-4, and P-6. Petroleum impacted soils appear to be primarily associated with the former main UST excavation and dispensing system areas, see figure 7.

5.0 DISCUSSION OF SITE CONDITIONS - continued

5.1 Soil Contaminant Distribution - continued

- No petroleum related soil contamination exceeding Com 46, Table 46.05 concentrations were identified by laboratory analyses of soil samples collected from soil probes P-1, P-2, P-5, P-6, and P-7, or soil borings B-8, SB-9 and SB-10.

- Soil probe P-1 was installed in the southwest portion of the site. Only MTBE was identified in any concentration exceeding the laboratory limit of detection (LOD) with a concentration of 291 ug/kg at the 8-10 ft BGL interval.

- Soil probe P-2 was installed northeast of P-1, near the northwest corner of the site building. No VOC range compounds were identified by laboratory analysis of the soil samples collected from this probe.

- Soil probe P-3 was installed on the southern edge of the former UST bed, near the center of the site, northeast of P-2. Laboratory analytical results of soil samples collected form both the 6-8 ft BGL and 8-10 ft BGL intervals indicated elevated concentrations of several VOC range compounds, with benzene (1,950 ug/kg @ 8-10 ft) exceeding the COM 46 Table 46.05 concentration level of 620 ug/kg. No other compound exceeded a COM 46 Table 46.05 concentration level.

- Soil probe P-4 was installed through the backfill of the former primary UST bed. Elevated PID readings were indicated from sample 2A (4-6 ft BGL) through sample 4A (12-14 ft BGL). Laboratory analytical results for samples collected at the 6-8 ft BGL and 8-10 ft BGL intervals (samples 2B and 3A, respectively) indicated several elevated VOC concentrations, with benzene (1,340 ug/kg @ 8-10ft BGL) exceeding the COM 46 Table 46.05 concentration level. No other compound exceeded a COM 46 Table 46.05 concentration level. GRO was identified with a concentration of 2,260 mg/kg.

5.0 DISCUSSION OF SITE CONDITIONS - continued

5.1 Soil Contaminant Distribution – continued

- Soil probe P-5 was installed in the eastern portion of the property, adjacent to an existing UST. Laboratory analytical results identified no VOC range compounds with concentrations exceeding the respective laboratory limit of detection.

- Soil probe P-6 was installed at the northern edge of the property. Laboratory analytical results from the 6-8 ft BGL and 8-10 ft BGL intervals identified several VOC range compounds. However, no COM 46 Table 46.05 concentration level was exceeded.

- Soil probe P-7 was installed on the northwestern area of the property. Laboratory analytical results identified no VOC range compounds with concentrations exceeding the respective COM 46 Table 46.05 concentration levels.

- Soil borings B-8, SB-9 and SB-10 were installed and converted to groundwater monitoring wells to aid in determination of the extent of groundwater impact. Laboratory analytical results of these samples identified no GRO or VOC range compounds with concentrations exceeding the respective laboratory LOD.

Using this data, soil contamination exceeding the COM 46 Table 46.05 concentration levels is estimated to exist in an area as indicated in Figure 7.

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.2 Groundwater Contaminant Distribution

Groundwater samples were collected as stated in Section 3.5. Groundwater monitoring wells were sampled for laboratory analyses of VOCs, GRO and lead on the following dates: MW-1, MW-4, MW-5, MW-7, and MW-8 on June 18, 1999 and MW-9 and MW-10 on August 31, 1999. Pertinent laboratory analytical data are compiled in Table 3. Complete groundwater laboratory analytical results and chain of custody documentation are included in Appendix D.

- Samples laboratory analyzed for VOCs, GRO, DRO, and lead from groundwater monitoring wells MW-8, and MW-9 identified no compounds with concentrations exceeding a NR140.10 Preventive Action Limit (PAL). DRO concentrations were identified at 82 and 138 micrograms per liter (ug/L), for the respective wells. GRO and lead results did not exceed the limit of detection (LOD) for the particular analytical procedure or sample.

- Chloromethane was indicated in the laboratory analytical results from samples collected from monitoring wells MW-8, MW-9, and MW-10, and potentially in MW-4. In conversations with APL Laboratory Director, Mr. James Chang, it was suggested that due to the volatile nature of this compound, the most probable source was laboratory interference, not related to any source on or related to the site.

5.0 DISCUSSION OF SITE CONDITIONS - continued

5.2 Groundwater Contaminant Distribution - continued

- Laboratory analysis of the sample from monitoring well MW-7 identified 1,2-dichloroethene exceeding the NR140.10 PAL, with a concentration of 2.6 ug/L. Several other VOC range compounds were identified, but none exceeded the respective PAL.

- Laboratory analyzed samples from monitoring well MW-1 identified MTBE exceeding the ES with a concentration of 121 ug/L. Benzene was identified exceeding the PAL with a concentration 2.6 ug/L. No other VOC range compound was identified with a concentration exceeding the respective PAL. GRO and DRO were indicated with concentrations of 139 ug/L and 178 ug/L, respectively.

- Laboratory analytical results from the sample collected from monitoring well MW-5 identified benzene at 30 ug/L, exceeding NR140.10 ES level. Naphthalene and total xylene were identified at concentrations exceeding the respective PAL. No other VOC range compound was identified with a concentration exceeding the respective PAL. GRO and DRO were indicated with concentrations of 2,380 and 1,930 ug/L, respectively.

- Laboratory analytical results from the sample collected from monitoring well MW-4 identified the overall highest concentrations of VOC range compounds. Benzene was identified at 205 ug/L, ethylbenzene at 2,680 ug/L, total xylene 9,335 ug/L (broken down as m&p-xylene 9,070 ug/L and o-xylene 265 ug/L), and naphthalene at 845 ug/L exceeding each respective ES level. Toluene exceeded the PAL with a concentration of 179 ug/L. GRO and DRO also had elevated concentration levels of 29,100 ug/L and 4,270 ug/L respectively.

5.0 DISCUSSION OF SITE CONDITIONS - continued

5.2 Groundwater Contaminant Distribution - continued

- Laboratory analyses of the sample collected from monitoring well MW-10 identified Methyl tertiary butyl ether at a concentration of 437 ug/L. No other VOC range compound was indicated exceeding the LOD. GRO and DRO were identified at 164 ug/L and 72 ug/L, respectively.

Overall, the extent of groundwater contamination has been identified in the north, west and easterly directions. MTBE contamination identified in monitoring well MW-10 exceeds the concentration of MTBE in the monitoring well with the next highest concentration. Using this information, the estimated plume of petroleum impacted groundwater is anticipated to be similar to that indicated in Figure 8.

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.3 Natural Attenuation Evaluation

Natural attenuation is defined as the reduction in the concentration and mass of a substance and it's breakdown products in groundwater due to naturally occurring physical, chemical and biological processes, without human intervention or enhancement. These processes include, but are not limited to dispersion, diffusion, sorption, retardation, and degradation processes such as biodegradation, abiotic degradation and radioactive decay.

Natural attenuation has been demonstrated to be effective in reducing mass and concentration of many petroleum hydocarbons due primarily to natural biodegradation processes, which transform the contaminants to carbon dioxide and water.

Field and laboratory parameters used to evaluate natural attenuation were collected September 8, 1999. Groundwater monitoring wells MW-7, MW-5, and MW-4 were selected as examples of monitoring wells with unimpacted (background), moderate impact and greatest impact by released petroleum hydrocarbons. Groundwater was field evaluated for temperature and dissolved oxygen (DO)(percentage air saturated and mg/L) using a YSI 55 DO meter. Laboratory analyses performed consisted of total iron, total manganese, total sulfate, nitrogen (nitrate/nitrite, total Kjeldahl, and ammonia) ortho phosphorus, methane, alkalinity, BOD, and total organic carbon. Results of field and laboratory analyses are compiled in Table 4. Complete laboratory analytical results and chain of custody documentation for natural attenuation evaluation parameters are included in Appendix E.

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.3 Natural Attenuation Evaluation – continued

Results of analyses of both field and laboratory natural attenuation parameters were evaluated, using mass balance data obtained from the literature [Wisconsin DNR PR-014]. All mass balance relations used in this study assume there is no microbial cell production, thereby giving a slightly more conservative resulting estimate. Mass balance ratios used for calculation of the assimilation of total BTEX are averages of each BTEX constituent. Based on the stoichiometric relationships, the mass-balance calculations can be performed for each of the electron acceptors described in the following sections. The results of mass balance calculations provide an estimate of the capacity of the groundwater to biodegrade BTEX.

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.3 Natural Attenuation Evaluation – continued

A. *Dissolved Oxygen Balance*

Based on the stoichiometric relationship, the potential mass of BTEX biodegraded by respiration of dissolve oxygen is computed by:

$$BTEX_{Bio,DO} = 0.32(O_B - O_M) \qquad (5.1)$$

Where: $BTEX_{Bio,DO}$ = reduction in BTEX concentration via aerobic respiration.

0.32 = mg/L BTEX degraded per mg/L dissolved oxygen consumed

O_B = background dissolved oxygen concentration (mg/L)

O_M = lowest measured dissolved oxygen concentration (mg/L).

In general, oxygen concentration (dissolved background oxygen) is higher in unimpacted groundwater than the area of highest BTEX concentration. However, this trend was not obtained in this investigation. The measured groundwater oxygen concentrations were 1.14 mg/L in monitoring well MW-7 (background concentration), 0.95 mg/L in MW-5 (area with intermediate laboratory analyzed BTEX concentration), and 2.37 mg/L in MW-4 (highest laboratory analyzed BTEX concentration). The measured concentration of oxygen in MW-4 was higher than the background oxygen concentration in MW-7. This suggests that either an error occurred during sampling or the monitoring well intersects both impacted and unimpacted groundwater zones, with groundwater mixing during the sample collection. However, for the purpose of this report, the data collected from monitoring wells MW-7 and MW-5 will be used for estimating total BTEX degradation via aerobic respiration.

By substituting the values of O_B (1.14 mg/L) and O_M (0.95 mg/L) in Equation 5.1, the potential mass of total BTEX was calculated as of 0.0608 mg/L (60.8 µg/L) that can be degraded via aerobic respiration.

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.3 Natural Attenuation Evaluation – continued

B. *Nitrate + Nitrite Balance*

Based on the stoichiometric relationship, the potential mass of BTEX biodegraded via denitrification is computed by:

$$BTEX_{Bio,N} = 0.21(N_B - N_M) \quad (5.2)$$

Where: $BTEX_{Bio,N}$ = reduction in BTEX concentration via denitrification.

0.21 = mg/L BTEX degraded per mg/L nitrate consumed

N_B = background nitrate concentration (mg/L)

N_M = nitrate concentration from zone of highest BTEX (mg/L).

Laboratory analytical results from samples collected and analyzed for nitrate+nitrite parameters do not yield a solution suggesting this process is taking place at this site. From Table 4, N_B = <0.04 and N_M = <0.04, implying that the reaction is not currently active.

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.3 Natural Attenuation Evaluation – continued

C. *Sulfate Balance*

Based on the stoichiometric relationship, the potential mass of BTEX biodegraded by sulfate reduction is computed by:

$$BTEX_{Bio,S} = 0.21(S_B - S_M) \quad (5.3)$$

Where: $BTEX_{Bio,S}$ = reduction in BTEX concentration by sulfate reduction

0.21 = mg/L BTEX degraded per mg/L sulfate consumed

S_B = background sulfate concentration (mg/L)

S_M = sulfate concentration from zone of highest BTEX (mg/L).

By substituting of the values of S_B (10.0 mg/L) and S_M (<10.0mg/L)(due to this indefinite result, 5mg/L will be used in this calculation) in Equation 5.3, the potential mass of BTEX) that can be biodegraded by sulfate reduction was calculated as 1.05 mg/L (1050 µg/L).

5.0 DISCUSSION OF SITE CONDITIONS – continued

5.3 Natural Attenuation Evaluation – continued

D. *Manganese Balance*

Based on the stoichiometric relationship, the potential mass of BTEX biodegraded by Manganese production is computed by:

$$BTEX_{Bio,Mn} = 0.06(Mn_M - Mn_B) \quad (5.4)$$

Where: $BTEX_{Bio,Mn}$ = reduction in BTEX concentration by manganese production

0.06 = mg/L BTEX degraded per mg/L manganese produced

Mn_B = background manganese concentration (mg/L)

Mn = manganese concentration from zone of highest BTEX (mg/L).

By substituting the values of Mn_B (0.42 mg/L) and Mn_M (1.8mg/L) in Equation 5.4, the potential mass of BTEX biodegraded by the production of manganese was calculated as 0.0828 mg/L (82.8 ug/L).

E. *Iron Balance*

$$BTEX_{Bio,Fe} = 0.05(Fe_M - Fe_B) \quad (5.5)$$

Where: $BTEX_{Bio,Fe}$ = reduction in BTEX concentration by iron reduction

0.05 = mg/L BTEX degraded per mg/L iron produced

Fe_B = background iron concentration (mg/L)

Fe_M = iron concentration from zone of highest BTEX (mg/L).

By substituting the values of Fe_B (0.27 mg/L) and Fe_M (0.41mg/L) in Equation 5.5, the potential mass of BTEX that can be biodegraded by iron reduction was computed as 0.007 mg/L (7 µg/L).

5.0 DISCUSSION OF SITE CONDITIONS – Continued

5.3 Groundwater Natural Attenuation Evaluation - continued

F. *Methane Balance*

Based on the stoichiometric relationship, the potential mass of BTEX biodegraded by methane production is computed by:

$$BTEX_{Bio,M} = 1.28(M_M - M_B) \qquad (5.6)$$

Where: $BTEX_{Bio,M}$ = reduction in BTEX concentration by methane production

1.28 = mg/L BTEX degraded per mg/L methane produced

M_B = background methane concentration (mg/L)

M_M = methane concentration from zone of highest BTEX (mg/L).

By substituting the values of M_B (0.14 mg/L) and M_M (1.1 mg/L) in Equation 5.6, the potential mass of BTEX biodegraded by the production of methane was calculated as 1.2288 mg/L (1228.8 ug/L).

5.0 DISCUSSION of SITE CONDITIONS - Continued

5.3 Groundwater Natural Attenuation Evaluation - Continued

G. *Assimilative Capacity of On-site Groundwater*

The above computations assume that BTEX biodegradation is occurring through aerobic respiration, denitrification, iron, manganese and reduction. By totaling the BTEX degradation by these processes, an assimilative capacity of 2429.4 µg/L is estimated at this site. However, actual biodegradation depends upon several factors such as contaminant type and concentration, environmental parameters, and presence of suitable microbes [Singh, 1997; WDNR 1994]. The presence of high concentrations of petroleum contaminants can pose an acute toxic hazard to microbes that participate in the above mentioned biodegradation processes.

The highest total BTEX concentration for this site was found in monitoring well MW-4, 12,399 ug/L. Monitoring well MW-5 had the second highest BTEX concentration containing 207ug/L total BTEX. No other monitoring well was identified with an identified BTEX concentration exceeding 20 ug/L.

The BTEX concentration for monitoring well MW-4 is well above the estimated assimilative capacity of the site. However, concentrations of contaminants in the surrounding monitoring wells, in addition to the estimated low hydraulic conductivity of the site, suggest that natural attenuation may be a viable remedial option for this site.

5.0 DISCUSSION of SITE CONDITIONS - Continued

5.3 Groundwater Natural Attenuation Evaluation - Continued

H. Contamination Sources/ Pathways/ Receptors/ Discussion

Petroleum related soil contamination is the result of leaking USTs and related distribution lines.

Primary potential pathways of exposure are groundwater (and/or) soil discharges to underground water utility corridors, and groundwater and/or soil discharges to neighboring building foundations.

Primary receptors for the contaminant pathways are humans entering underground utility systems and intersection with neighboring building foundations. Surface discharge is not apparent and no surface water bodies are near the site.

Based upon these criteria, risks posed by the impacts of released petroleum hydrocarbons are anticipated to be minimal. This conclusion is based upon laboratory analytical results from soil and groundwater samples collected from soil borings and monitoring wells throughout.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

Results of this remedial investigation yield the following:

1. Soils underlying the site are primarily of glacio-lacustrine origin. The deposits are comprised of clayey-silt to silty-clay with scattered sand and gravel. Bedrock was not encountered during the installation of any soil boring during this investigation.

2. Groundwater occurs between 4.5 and 11 feet below ground level.

3. No COMM 47 environmental factors were identified.

4. One UST is known to remain in place on the site.

5. Based on correlation of field data, published data for the region, and other publications, hydraulic conductivities are likely to range from $1X10^{-5}$ and $1X10^{-6}$ cm/sec.

6. Gasoline and diesel-grade petroleum products have been released at the site.

7. Released petroleum products have impacted both the soil and the groundwater to levels exceeding § NR140.10 groundwater and COMM 46 Table 46.05 levels

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

8. Correlation of laboratory analytical and field PID results indicates that released petroleum products have impacted soil of the site at various intervals, primarily in the area of the former main UST excavation. Impacts have been indicated from approximately 4-ft BGL to a depth exceeding 12 ft BGL (probe P-4 and P-6).

9. Soil contamination has migrated onto the City of West Allis right-of-way to the north (per probe P-6 data).

10. Petroleum impacted soils were not identified extending offsite to the east, west, or south.

11. Petroleum impacted groundwater (concentrations exceeding NR 140.10 ES levels) appears to be confined to the site in the east and westerly directions.

12. A potential exists for MTBE impacted groundwater to extend off site to the south.

13. Petroleum impacted groundwater is estimated to have migrated onto the City of West Allis right-of-way to the north of the site.

14. COMM 46.05 (2) (e) "300 times the enforcement standard" concentration limits have not been exceeded in any laboratory analyzed sample from this site.

15. Evaluation of natural attenuation potential for this site suggests that this site has the potential to naturally attenuate identified BTEX groundwater contamination.

6.0 CONCLUSIONS AND RECOMMENDATIONS - Continued

6.2 Recommendations

Based on the above conclusions, International Environmental Corporation recommends that one year additional groundwater monitoring be performed to verify that groundwater contamination plume is receding or stable rather than advancing. This will also allow for confirming that natural attenuation is occurring on site and that it is capable of remediating the existing contaminant plume.

After review of the data, if a stable or receding groundwater plume is confirmed, site closure with a groundwater use restriction will be applied for as indicated in COMM 46.06. Pending WDNR and COM approval for closure under COMM 46, all groundwater-monitoring wells installed for this remedial investigation will then be properly abandoned.

If plume control and reduction is not indicated at the end of a one-year period, preparation and implementation of an amended RAP is recommended.

Additionally, it is recommended that, at the property owners earliest convenience, any USTs existing at the site be removed. This will reduce the potential for further releases to the site and additional liability for the owner.

7.0 REMEDIAL ACTION PLAN (RAP)

7.1 Executive Summary

A petroleum release was reported to the Wisconsin Department of Natural Resources on January 29, 1998 by a representative of Assured Environmental Services, Inc. NG Services, Inc., (Mr. George Tsitsos) was notified by the WDNR in a letter dated April 2, 1998 of the legal responsibilities regarding the investigation and remediation of the site. NG Services retained International Environmental Corporation to conduct a remedial investigation at the site.

Remedial investigation activities began on February 4, 1999. Seven (7) soil probe borings were installed to determine the extent of contamination on site. Upon receipt of laboratory analytical results, it was determined that soil contamination potentially extended off-site north from the property.

One (1) additional soil boring was installed and four (4) soil probe borings were twinned, with each boring converted to a groundwater monitoring well, on May 28,1999. Upon receipt of laboratory analytical results, it was determined that groundwater contamination potentially extended off-site east from the property and the extent of groundwater contamination was not determined toward the southern portion of the property.

Two additional borings (SB-9 and SB-10) were installed (one onsite and one off-site, on the adjacent commercial property) August 13, 1999. Site location can be seen in Figure 1. Locations of all soil probe/borings and groundwater monitoring wells can be found in Figure 2.

7.0 REMEDIAL ACTION PLAN (RAP) - Continued

7.1 Executive Summary – Continued

On behalf of, and under contract to, NG Services, Inc., International Environmental Corporation (IEC) submits this "Remedial Action Plan" to the Wisconsin Department of Natural Resources (WDNR) and Wisconsin Department Commerce (COM).

The site is cadestrally located in the NW 1/4 of the NW 1/4 of Section 11, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin. Local address for the site is 5923 W. Lincoln Ave. This investigation was conducted to evaluate the extent of soil and groundwater contamination, and to develop remedial action plan for the site.

Laboratory analytical results indicated the extent of groundwater impact by released petroleum products had been determined to the east, north and west. Laboratory analytical results from the monitoring well installed to the south identified an increase in MTBE concentrations.

Additional groundwater samples were collected from selected monitoring wells on September 8, 1999 for laboratory analyses of Natural Attenuation Parameters. Results of these analyses suggested that Natural Attenuation might be a viable form of remediation for this project.

Soil contamination exceeding Comm 46 Table 46.05 levels and groundwater contamination exceeding NR 140.10 Enforcement Standard (ES) and Preventive Action Limits (PAL) have been identified at this site. This contamination appears to be the result of a release from the UST systems containing petroleum products. This RAP has been developed to implement a remedial scenario for the site.

7.0 REMEDIAL ACTION PLAN (RAP)

7.2 Remedial Action Alternatives

Due to the absence of an environmental factor, only non-active treatments may be analyzed for remediation of this site. Therefore, the following remedial options were considered for addressing the petroleum contaminated soil and groundwater at this site.

1. *Passive Bio-remediation with long-term groundwater monitoring.*

2. *Natural attenuation with one year of groundwater monitoring, with soil performance standard, and an institutional control or restriction.*

3. *Limited Soil Excavation with Invitro Bioremediation, Natural Attenuation, Soil Performance Standard, Groundwater Monitoring (2-years), and institutional control or restriction.*

7.0 REMEDIAL ACTION PLAN (RAP)

7.2 Remedial Action Alternatives - Continued

1 *Passive Bio-remediation with long-term groundwater monitoring.*

This remedial option requires long term monitoring (two years or more) of site groundwater monitoring wells to determine the effect of natural processes on the contaminant plume.

Initially groundwater monitoring will be conducted for two years to establish the rate of contaminant decrease due to the bioremediation processes. For two years, groundwater monitoring would be conducted on a quarterly basis with samples analyzed for GRO and PVOC, Naphthalene, and 1,2 dichloroethane, as well as natural attenuation parameters. Monitoring results will be used to determine whether further remedial action will be required to complete the cleanup of the site. If the rates of decrease in contaminant concentrations are insignificant, a plan for further remedial action will be submitted to WDNR/WDCOM. Whereas if the rates of decrease in contaminant concentrations are significant, no further remedial action will be required and a request for site closure will be submitted.

7.0 REMEDIAL ACTION PLAN (RAP)

7.2 Remedial Action Alternatives – Continued

2 Natural attenuation with groundwater monitoring (one year), soil performance standard, institutional control or restriction, and request for Comm 46.06 site closure after one year, if conditions warrant.

As with Passive Bioremediation, this option includes monitoring site groundwater wells on a quarterly basis with samples analyzed for GRO and PVOC, plus Naphthalene, and 1,2 dichloroethane. As well as monitoring natural attenuation parameters to determine the effect of natural processes on the contaminant plume. Also instituted with this option is a performance standard (the site covered with concrete or asphalt) an institutional control (groundwater use restriction or deed restriction), and a request for Comm 46.06 site closure after one year, if warranted. Comm 46.06 site closure allows for closure of the site with NR140.10 ES exceedances of less 300 times the ES concentration (non-developable groundwater sites) if the contaminant plume is confirmed to be stable or receding.

7.0 REMEDIAL ACTION PLAN (RAP)

7.2 Remedial Action Alternatives – Continued

3 *Limited Soil Excavation with Invitro Bioremediation, Natural Attenuation, Soil Performance Standard, Groundwater Monitoring (2-years), and institutional control or restriction.*

This remedial alternative involves physically removing only petroleum-impacted soils in the "hotspot" areas of the former underground storage tanks and pump islands. Excavated, petroleum impacted, soils would be removed and transported to a State of Wisconsin licensed solid waste disposal facility equipped with a petroleum contaminated soil bioremediation system in operation. At the waste disposal facility, contaminated soils would be added to the bioremediation treatment system, monitored, and when remediation is complete, used for cover material or deposited in the landfill. This method reduces potential future liability for the client if a landfill remediation would be required.

Excavated, impacted soils would be remediated to a level below NR 720 Residual Contaminant levels with this option. Remediation of excavated soil would occur over a matter of months. Contaminant migration from impacted soil remaining in place would be controlled by a performance standard (the site will be covered by asphalt or Portland cement concrete). Impacted soils remaining in place would attenuate due to naturally occurring physical, chemical, and biological processes.

This option will involve groundwater monitoring for a period of two years and the monitoring results will be used to determine the necessity of further remedial action.

If groundwater impact would remain above the NR 140.10 Enforcement Standard level, an institutional control or restriction would be sought for the site.

7.0 REMEDIAL ACTION PLAN (RAP)

7.3 Remedial Alternative Evaluation

All the above mentioned remedial alternatives are feasible for the site. No option will result in air emissions exceeding WDNR Standards. A cost analysis was performed to determine the most cost-effective feasible remedial alternative for the site. The estimated quantity of soil excavated for alternative 3 is 100 Cubic Yards (approx. 140 Tons). The details of cost estimates for the three remedial alternatives for years 1 and 2 are presented in Table 5. The cost of groundwater monitoring will be nearly equivalent for each of the remedial alternatives considered in this investigation. Data presented in Table 5 suggests that Alternative 2 is the lowest cost remedial alternatives for the site. The total life cycle cost of the site using Alternative 2 is estimated to be $16,500. This cost estimate is considered only for budgeting purposes. In accordance with PECFA rules, the commodity services will be bid by at least three providers and the lowest cost provider will be selected for individual commodity services.

7.0 REMEDIAL ACTION PLAN (RAP)

7.4 Conclusions and Recommendation

7.4.1 *Conclusions*

Based on the information presented, the following conclusions were made:

- Each remedial option evaluated is technically feasible for the site.

- Based on a cost analysis, Alternative 2, Natural attenuation with groundwater monitoring (one year), soil performance standard, institutional control or restriction, and request for Comm 46.06 site closure after one year, if conditions warrant, is the lowest cost alternative among the remedial alternatives that were considered in this investigation.

- Bioremediation and long term monitoring is not the Alternative of choice due to the length of time suggested (ie 2 or more years). It is proposed that Alternative 2, will achieve site closure in a more rapid cost efficient manor using Comm 46.06 parameters

7.4.2 *Recommendation*

It is recommended that Alternative 2, Natural attenuation with groundwater monitoring (one year), soil performance standard, institutional control or restriction, and request for Comm 46.06 site closure after one year, if conditions warrant, be utilized for remediation of this site.

8.0 LIMITATIONS OF ASSESSMENT

Conclusions presented in this report were arrived at using generally accepted hydrogeologic and analytical practices. Information herein represents our professional conclusions based upon data collected at the time of sampling, at specific locations discussed in this report. Conditions at other locations may be different than described in this report. The scope of this report is limited to the project and location described herein.

Findings of this report are valid at the time of the assessment. However, changes in conditions of a property can occur with the passage of time, whether due to natural processes or the works of man, on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur in the future, be they the result of legislation, the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.

Interpretations and conclusions in this report are based on the results of independent laboratory tests and analyses intended to determine the presence of specific chemical compounds in samples collected from the investigated site. International Environmental Corp., had no control over these activities, and disclaims any responsibility for errors and omissions arising from them.

This report is issued with the understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency(ies).

This report has been prepared specifically prepared for NG Services, Inc. Reproduction or distribution of this report should not be performed without the written consent of NG Services, Inc., and International Environmental Corp.

9.0 REFERENCES

9.1 General References

Maptech® U.S. Terrain Series™, © Maptech®, Inc. 603-433-8500.

Singh, S. S., "In Situ Bioremediation of Soil and Groundwater: A State–of–the-Art Assessment", A Technical Report No. 97-1, Department of Civil Engineering and Mechanics, University of Wisconsin-Milwaukee, April 1997.

Weaver, T.R. and J. M. Bahr, "Geochemical Evolution in the Cambrian-Ordovician Sandstone Aquifer, Eastern Wisconsin: 2, correlation Between Flow Paths and Ground Water Chemistry", Ground Water, Vol.29, No.4, 1991: 510-515.

Wisconsin Department of Natural Resources, "Naturally Occurring Biodegradation as a Remedial Action Option for Soil Contamination", PUBL-SW-515-95, Madison, WI, August 1994.

Wisconsin Department of Natural Resources, Bureau for Remediation and Redevelopment, Interim Guidance for selection of Natural attenuation for Groundwater Restoration and Case Closure Under Section NR 726.05(2)(b), PUBL RR-530-97, March 1997.

Wisconsin Department of Natural Resources, Bureau for Remediation and Redevelopment, Interim Guidance on Soil Performance Standards, PUBL RR-528-97 March, 1997

9.0 REFERENCES - Continued

9.1 General References - Continued

Wisconsin Geological and Natural History Survey (WGNHS) map, Glacial Deposits of Wisconsin (compiled by Hadley and Pelham, 1976).

9.2 CITED REFERENCES

Fetter, C.W., Applied Hydrogeology, 2nd, Merrill Publishing Co., 1988.

Mickelson, David M., Clayton, Lee, Baker, Robert W., Mode, William N., and Schneider, Allan F., Pleistocene Stratigraphic Units of Wisconsin, Geological and Natural History Survey University of Wisconsin – Extension, Miscellaneous Papers 84-1, 1984)

Wisconsin Department of Commerce, "Ch. COMM 46, Petroleum Environmental Cleanup Fund Interagency Responsibilities", 1999.

Wisconsin Department of Commerce, "Emergency Rule No. Ch. COMM 47 Relating to the Petroleum Cleanup", February 1999.

Wisconsin Department of Natural Resources, Bureau for Remediation and Redevelopment, "Interim Guidance On Natural Attenuation For Petroleum Releases", PUBL-RR-614, Madison, WI, October 1999.

TABLES

TABLE 1

SOIL SAMPLE INTERVAL with FIELD SCREENING and LABORATORY ANALYTICAL RESULTS
D&M MOTORS
5923 W. LINCOLN AVE.
WEST ALLIS, WISCONSIN

SOIL PROB ID	FIELD ID	LAB ID	INTERVAL SAMPLED (FBGL)		PID	LABORATORY ANALYTICAL RESULTS														
						B	n-propylB	sec-butylB	Isopropylb	E	MTBE	T	p-Isopropylt	1,2,4-TMB	1,3,5-TMB	m&p-X	o-X	N	GRO	DRO	LEAD
P-1 Installed 2/4/99	1		0-4	A	1.5																
				B	1.4																
	2	13991	4-8	A	1.3	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.6	7.1	20
				B	1.5																
	3	13992	8-12	A	1.8	<25	<25	<25	<25	<25	291	<25	<25	<25	<25	<25	<25	<25	1.2	8.6	27
				B	1.3																
P-2 Installed 2/4/99	1		0-4	A	1.0																
				B	1.0																
	2		4-8	A	1.0																
		13993		B	2.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	19	4.3	26
	3	13994	8-12	A	1.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.6	4.6	44
				B	1.0																
P-3 Installed 2/4/99	1		0-4	A	80																
				B	28.3																
	2		4-8	A	5.7																
		13995		B	331	<250	1,430	357	<250	**<250**	<250	<250	<250	7,270	<250	357	<250	647	113	10	27
	3	13996	8-12	A	9.7	**1,950**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5.1	26	30
				B	3.2																
COMM 46 TABLE 46.05 levels (in ug/kg)						**620**				**230K**		**520K**				**860K**					

TABLE 1 - CONTINUED

D&M MOTORS 5923 W. LINCOLN AVE., WEST ALLIS, WISCONSIN

SOIL PROBE ID	FIELD ID	LAB ID	INTERVAL SAMPLED (FBGL)		PID	LABORATORY ANALYTICAL RESULTS														
						B	n-propylB	sec-butylB	Isopropylb	E	MTBE	T	p-Isopropylt	1,2,4-TMB	1,3,5-TMB	m&p-X	o-X	N	GRO	DRO	LEAD
P-4 Installed 2/4/99	1		0-4	A	5																
				B	37.2																
	2		4-8	A	330																
		13997		B	332	602	15,700	2,110	3,270	43,800	<500	<500	901	101,000	30,600	162,000	1,100	16,900	2,260	4.4	21
	3	13998	8-12	A	107	**1,340**	160	<25	121	8,200	<25	356	<25	1,170	258	16,100	898	568	57	21	28
				B	346																
	4		12-14	A	107																
				B	0																
P-5 Installed 2/4/99	1		0-4	A	2.8																
				B	6.1																
	2		4-8	A	5.3																
		13999		B	23.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	5.7	7.7	40
	3	14000	8-12	A	2.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	4.9	4.5	20
				B	1.9																
P-6 Installed 2/4/99	1		0-4	A	2																
				B	1.3																
	2		4-8	A	1.6																
		14001		B	31.5	<25	255	35	48	82	<25	<25	<25	1,210	<25	82	<25	<25	27	8	36
	3	14002	8-12	A	112	576	320	<25	169	4,480	<25	609	<25	1,990	407	5,000	500	225	54	27	<3.6
				B	25.8																
P-7 Installed 2/4/99	1		0-4	A	2.6																
				B	2.2																
	2	14003	4-8	A	2.4	<25	<25	<25	<25	42	<25	<25	<25	31	<25	55	<25	<25	1.9	10.0	39
				B	2.3																
	3	14004	8-12	A	4.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1.7	9.5	40
				B	ns																
COMM 46 TABLE 46.05 levels (in ug/kg)						**620**				**230K**		**520K**				**860K**					

TABLE 1 - CONTINUED
D&M MOTORS 5923 W. LINCOLN AVE., WEST ALLIS, WISCONSIN

SOIL BORING ID	FIELD ID	LAB ID	INTERVAL SAMPLED (FBGL)		PID	LABORATORY ANALYTICAL RESULTS (														
						B	n-propylB	sec-butylB	isopropylB	E	MTBE	T	p-isopropylT	1,2,4-TMB	1,3,5-TMB	m&p-X	o-X	N	GRO	DRO	LEAD
TRIP		14005				<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	0.7	N/A	N/A
B8/ MW-8 Installed 5/28/99	1		1-3		0.2																
	2	15263	3-5		0.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.58	3.2	13.0
	3		5-7		0																
	4	15264	7-9		0.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.61	3.1	8.8
	5		9-11		0.1																
	6		11-13		0																
	7		13-15		0.1																
TRIP		16101				<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A	N/A	N/A
SB9/ MW-9 Installed 8/13/99	1		1-3		1.2																
	2	16102	3-5		2.6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.63	NT	9.8
	3	16103	5-7		1.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.67	NT	25.0
	4		7-9		1.6																
	5		9-11		1.7																
	6		11-13		1.2																
	7		13-15		1.2																
SB10/ MW-10 Installed 8/13/99	1		1-3		2.4																
	2	16104	3-5		5	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<0.60	NT	14.0
	3		5-7		NR																
	4	16105	7-9		1.8	<25	<25	<25	<25	<25	268	<25	<25	<25	<25	<25	<25	<25	<0.58	NT	11.0
	5		9-11		1.2																
	6		11-13		1.4																
	7		13-15		1.6																
COMM 46 TABLE 46.05 levels (in ug/kg)						**620**				**230K**		**520K**				**860K**					

GRO = WDNR MODIFIED GASOLINE RANGE ORGANIC [in milligrams per kilogram (mg/kg)]
DRO = WDNR MODIFIED DIESEL RANGE ORGANIC (mg/kg)
Volatile Organic Compound (VOC) results given in micrograms per kilogram (ug/kg)
Lead results given in mg/kg
PID readings are in instrument units (IU)
BOLD exceeds COMM 46 TABLE 46.05 levels (in ug/kg)

FBGL = Feet Below Ground Level
NR = No Recovery
NT = Not Tested

B = Benzene
E = Ethylbenzene
MTBE = Methyl tertiary Butyl Ether
T = Toluene
TMB = Trimethylbenzene
X = Xylene

TABLE 2

GROUNDWATER ELEVATION DATA
D & M MOTORS
5923 W. LINCOLN AVE. WEST ALLIS , WI

	MW-1	MW-4	MW-5	MW-7	MW-8	MW-9	MW-10
CASING TOP ELEVATION	702.17	700.49	700.61	701.62	699.47	699.39	702.46
depth of well	15.15	15.15	15.15	15.15	15.15	15.15	15.15
DATE COLLECTED	Groundwater Elevations						
6/4/99	695.96	694.79	693.53	692.20	689.72		
6/18/99	696.69	696.30	694.88	692.43	690.53		
8/31/99	695.10	693.77	692.13	691.96	690.02	692.28	695.73
9/8/99	694.86	693.42	691.78	691.80	688.98	692.04	695.55
SCREEN TOP ELEVATION	697.17	695.49	695.61	696.62	694.47	694.39	697.46

Benchmark firehydrant on SW corner of Lincoln and 60th St.
Elevation 705.03 ft above mean sea level NW flange nut.
Groundwater elevations given in ft above mean sea level

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
D & M MOTORS INC.
5923 W. LINCOLN AVE.
WEST ALLIS, WISCONSIN

SAMPLE ID FIELD	SAMPLE ID LAB	DATE SAMPLED	LABORATORY ANALYTICAL RESULTS (µg/L)																(µg/L)		
			B	CHLORO METHANE	ISO PROPYL B	P-ISO PROPYL T	sec-BUTYL B	E	MTBE	n-PROPYL BENZENE	NAPHTHALENE	T	1,2,4-TRI	1,3,5-TRI	m&p-XYLENE	o-XYLENE	1,2-DI-CHLORO ETHANE	cis-1,2-DI CHLORO ETHENE	GRO	DRO	LEAD
TRIP BLANK	15508	6/18/99	<0.19	<0.77	<0.16	<0.18	<0.3	<0.16	<0.21	<0.25	<0.46	<0.33	<0.29	<0.23	<0.36	<0.18	<0.19	<0.2	N/T	N/T	N/T
MW-1	15509	6/18/99	**2.6**	<1.5	<0.32	<0.36	<0.6	0.46	***121***	<0.5	0.92	<0.66	<0.58	<0.46	2.0	<0.36	<0.38	<0.4	139	178	<1.4
MW-4	15510	6/18/99	***205***	**<77**	81	<18	<30	***2,680***	<21	228	***645***	**179**	2,660	633	***9,070***	***265***	<19	<20	29,100	4,270	<1.4
MW-5	15511	6/18/99	***30***	<1.5	4.3	1.3	1.9	54	<0.42	12	**26**	4.0	99	33	**167**	**10**	<0.38	1.3	2,380	1,930	<1.4
MW-7	15512	6/18/99	0.35	<0.77	<0.16	<0.18	<0.3	0.88	<0.21	<0.25	1.5	<0.33	1.4	0.44	2.7	<0.18	**2.6**	<0.2	<14	21	<1.4
MW-8	15513	6/18/99	<0.19	***65***	<0.16	<0.18	<0.3	<0.16	<0.21	<0.25	<0.46	<0.33	<0.29	<0.23	<036	<0.18	<0.19	<0.2	<14	82	<1.4
TRIP BLANK	16389	N/A	<0.19	<0.77	<0.16	<0.18	<0.3	<0.16	<0.21	<0.25	<0.46	<0.33	<0.29	<0.23	<0.36	<0.18	<0.19	<0.2	<14	N/T	N/T
MW-9	16390	8/31/99	<0.19	***5***	<0.16	<0.18	<0.3	<0.16	0.88	<0.25	<0.46	0.51	<0.29	<0.23	<0.36	<0.18	<0.19	<0.2	<14	138	<1.4
MW-10	16391	8/31/99	<1.9	***8.7***	<1.6	<1.8	<3	<1.6	***437***	<2.5	<4.6	<3.3	<2.9	<2.3	<3.6	<1.8	<1.9	<2	164	72	<1.4
NR140.10 STANDARDS		ES	***5***	***3***	N/A	N/A	N/A	***700***	***60***	N/A	***40***	***343***	N/A	N/A	***620***		***5.0***	***70.0***	N/A	N/A	***15.0***
		PAL	**0.5**	**0.3**	N/A	N/A	N/A	**140**	**12**	N/A	**8**	**68.6**	N/A	N/A	**124**		**0.5**	**7.0**	N/A	N/A	**1.5**

GRO = WDNR MODIFIED GASOLINE RANGE ORGANIC [in micrograms per liter (ug/L)]
DRO = WDNR MODIFIED DIESEL RANGE ORGANIC (ug/L)
VOC = Volatile Organic Compound results given in ug/L

Italics indicates result exceeding NR140.10 Enforcement Standard concentration
BOLD indicates result exceeding NR140.10 Preventive Action Limit concentration
— = Not detected

B = Benzene
E = Ethylbenzene
MTBE = Methyl tertiary Butyl Ether
T = Toluene
TRI = Trimethylbenzene
NS = Not Sampled
N/T = Not Tested

TABLE 4

NATURAL ATTENUATION PARAMETER ANALYTICAL RESULTS
D&M MOTORS
5923 WEST LINCOLN AVENUE
WEST ALLIS, WISCONSIN

ANALYSIS PERFORMED / MONITORING WELL SAMPLED	MW-7 UNIMPACTED	MW-5 INTERMEDIATE IMPACTED	MW-4 HIGHEST IMPACT
TEMPERATURE °C	16.2	17.1	16.1
DISSOLVED OXYGEN % AIR SATURATED	11.6	9.8	23.9
DISSOLVED OXYGEN (mg/l)	1.14	0.95	2.37
IRON ICAP (mg/l)	0.27	3.4	0.41
MANGANESE ICAP (mg/l)	0.42	0.17	1.8
ALKALINITY, TOTAL (mg/l)	588	536	500
BOD5, TOTAL (mg/l)	<8.8	<18	12
HETEROTROPHIC PLATE COUNT (#/ml)	25/ml	13/ml	18/ml
METHANE (ug/l)	140	1,600	1,100
NITROGEN, TOTAL KJELDAHL (mg/l)	0.47	1.3	1.5
NITRATE/NITRITE (mg/l)	<0.04	0.17	<0.04
NITROGEN, AMMONIA (mg/l)	<0.10	<0.10	<0.10
PHOSPHORUS, TOTAL (mg/l)	0.32	0.33	0.25
SULFATE (mg/l)	10.0	<10.0	<10.0
TOTAL ORGANIC CARBON (mg/l)	1.8	12	15

NOTES: Temperature and dissolved oxygen (% and mg/l) data collected in-field
Date collected: September 8,1999

C:\PROJECTS\6001\TABLES\attenuat6001

TABLE 5
Cost Alternative Evaluation

Description	Alternative 1 Passive Bioremediation, with long term Groundwater Monitoring	Alternative 2 Natural Attenuation, 1yr Groundwater Monitoring Soil Performance Standard Institutional Control or Restriction	Alternative 3 Limited Soil Excavation with Bioremediation, Natural Attenuation, Soil Performance Standard GW Monitoring,institutional Control or Restriction
Labor and Reporting	$15,500	$9,000	$18,000
Estimated Amount of Soil (Cubic Yards)	-		100
Approximate Amount of Soil (Tons)	-		140
Cost per Ton for Excavation, Transportation, and Backfill with Compaction			$50
Total Cost for Excavation	$0	$0	$7,000
Landfill Handling/ Bio-remediation Tipping Cost (per ton)			$30
Total Landfill Cost	$0	$0	$4,200
Laboratory Analytical Services	$7,000	$3,500	$8,300
Monitoring Well Abandonment	$4,000	$4,000	$4,000
Total Costs of Remedial Alternative	**$26,500**	**$16,500**	**$41,500**

TABLE 6

Estimated Costs

Task	Costs
	Total
Groundwater Monitoring, Laboratory	$3,500
Consultant Labor	$9,000
Monitoring Well Abandonment	$4,000
Total	**$16,500**

FIGURES

LEGEND

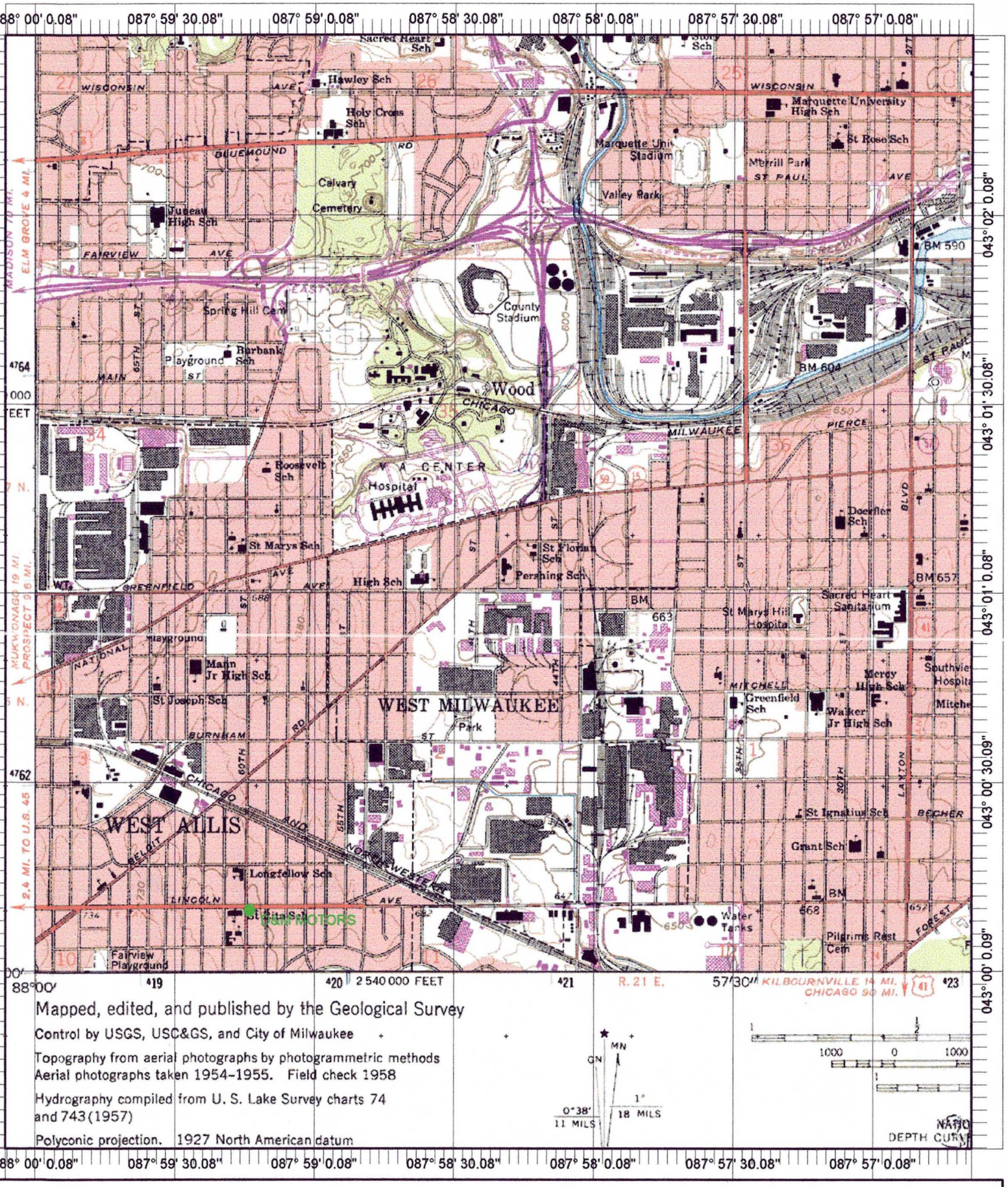
- SOIL BORING
- GROUNDWATER MONITORING WELL
- PROPOSED SOIL BORING
- MONITORING WELL
- FIRE HYDRANT
- STOP SIGN
- TRAFFIC SIGNAL
- STREET LIGHT
- POWER POLE
- MANHOLE
- TELEPHONE
- SEWER GRATE
- TREE
- MAIL BOX
- BUS STOP
- BUS SHELTER
- BUSINESS SIGN
- NO PARKING SIGN
- SCHOOL ZONE

UNDERGROUND UTILITIES

- —W— WATER MAIN
- SEWER — SEWER
- —G— NATURAL GAS
- —e— ELECTRIC
- COMMUNICATIONS — COMMUNICATIONS
- FIBER OPTIC — FIBER OPTIC

- SOIL CONTAMINATION BOUNDARY
- >/= ES — GROUNDWATER CONTAMINATION BOUNDARY
- >/= PAL — GROUNDWATER CONTAMINATION BOUNDARY
- ESTIMATED BOUNDARY OF EXCAVATION

INTERNATIONAL ENVIRONMENTAL CORPORATION



Name: MILWAUKEE
Date: 1/19/100
Scale: 1 inch equals 2000 feet

Location: 043° 01' 00.4" N 087° 58' 22.7" W
Caption: Dand M MOTORS 5923 W. LINCOLN AVE., WEST ALLIS, WI
FIGURE 1
SITE LOCATION MAP

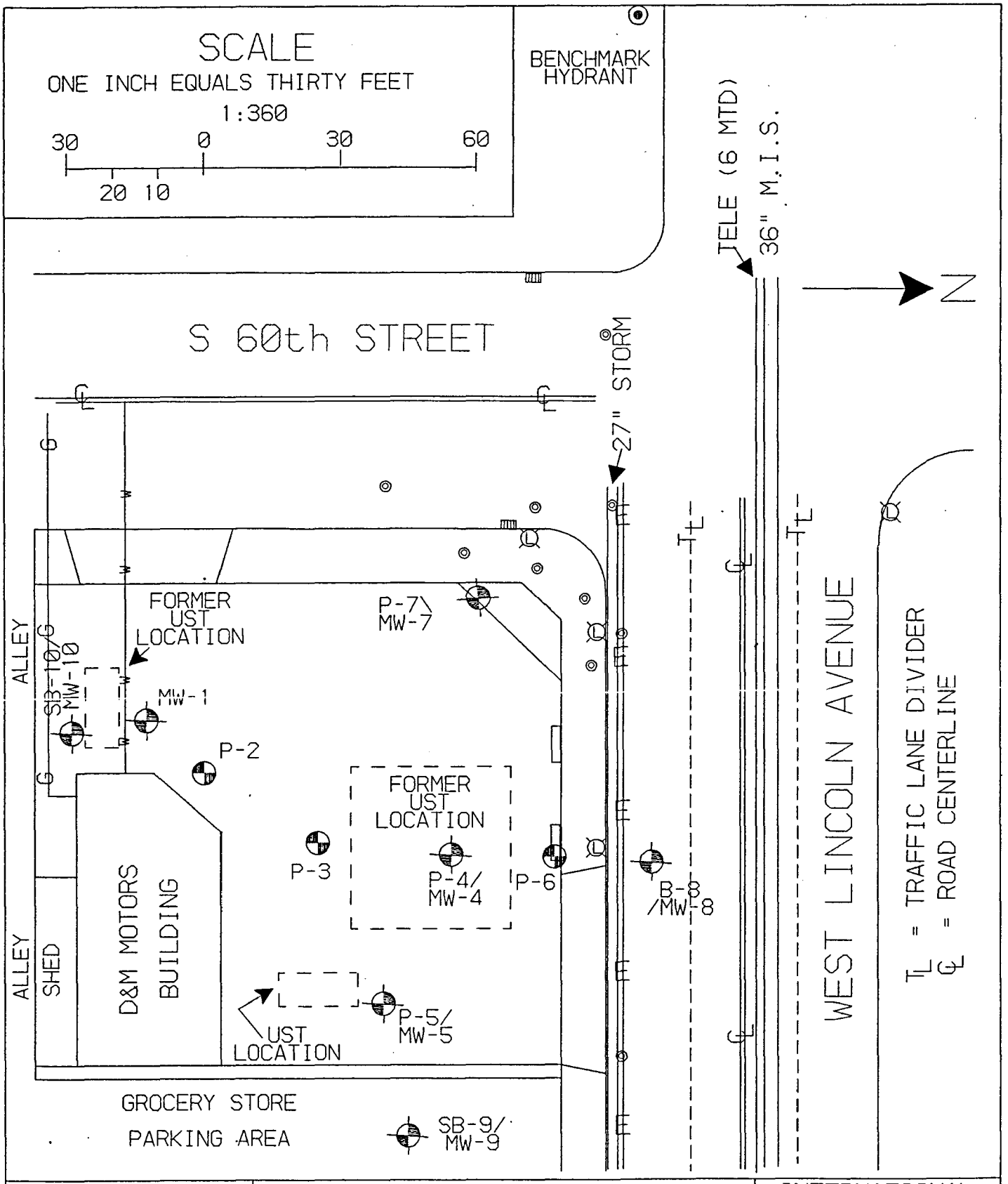


FIGURE 2

D&M MOTORS

5923 WEST LINCOLN
WEST ALLIS, WISCONSIN

SITE MAP

INTERNATIONAL
ENVIRONMENTAL
CORPORATION
12714 W HAMPTON AVE (LLW)
BUTLER, WI 53007
414-790-0965
FAX 414-790-0969

BY: MED 5-07-99

REVISED 12-20-99

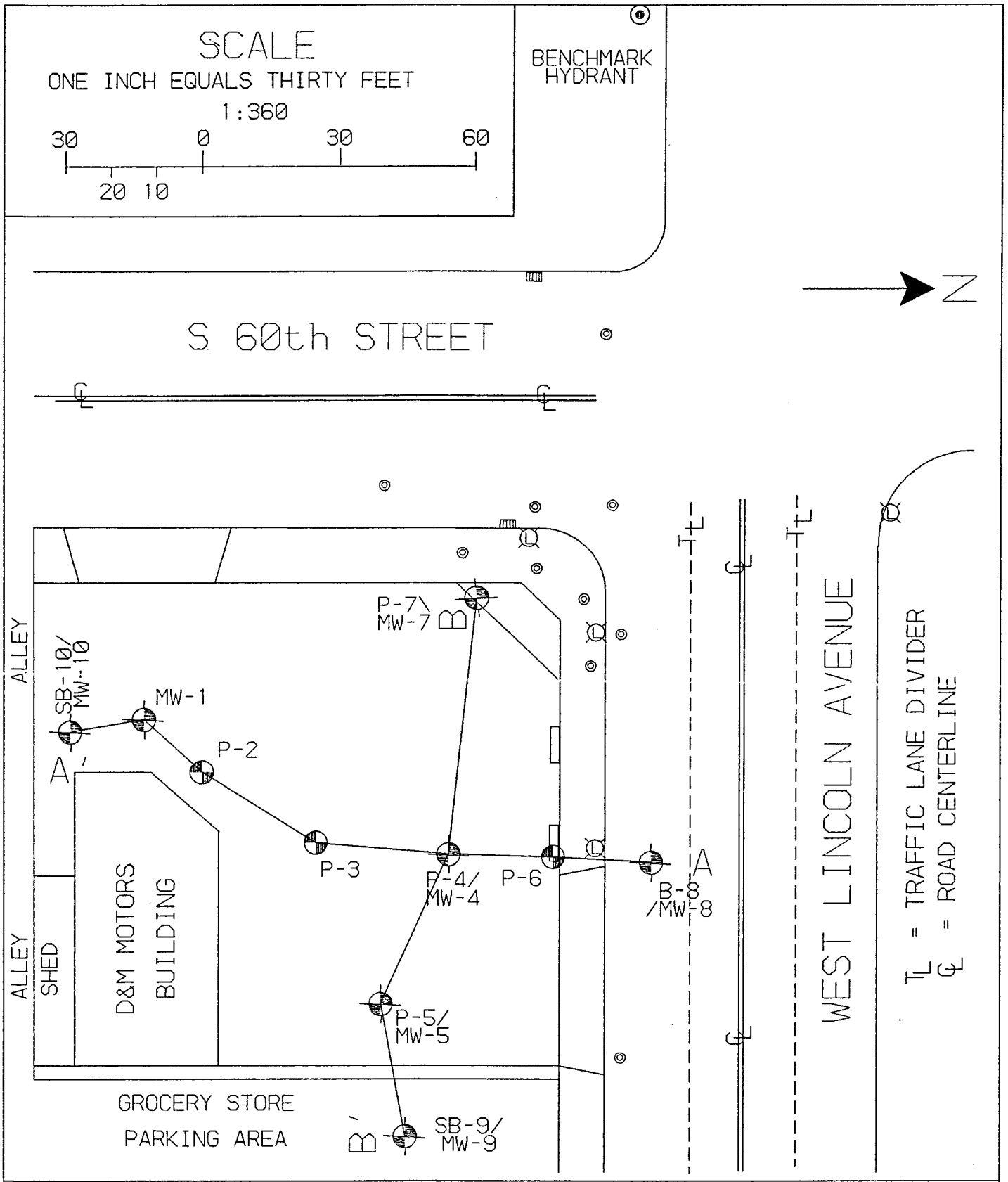


FIGURE 3

D&M MOTORS

5923 WEST LINCOLN
WEST ALLIS, WISCONSIN

CROSS SECTION PATH

INTERNATIONAL ENVIRONMENTAL CORPORATION
12714 W HAMPTON AVE (LLW)
BUTLER, WI 53007
414-790-0965
FAX 414-790-0969

BY: MED 5-07-99

REVISED 12-20-99

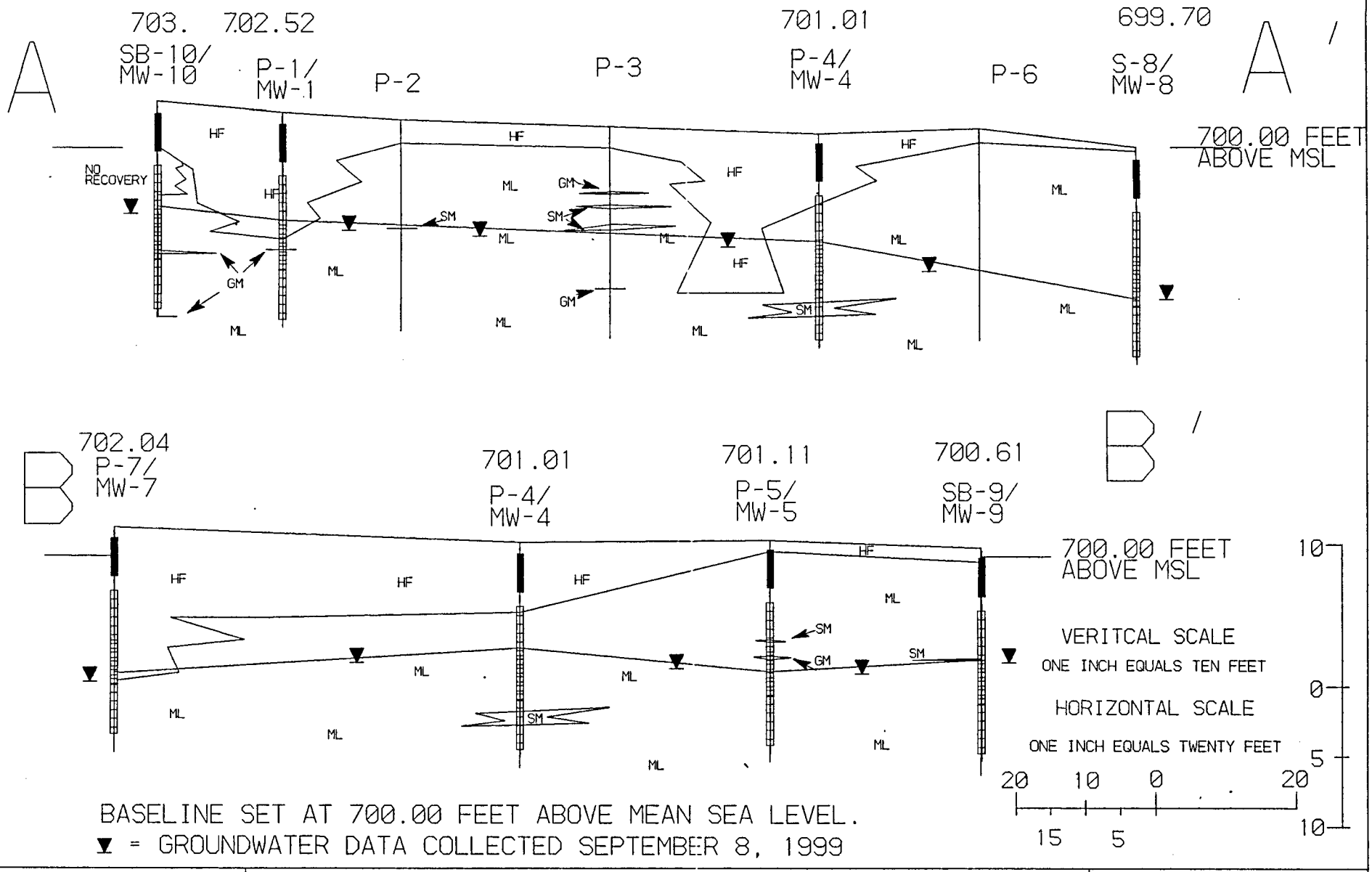


FIGURE 4

GEOLOGIC CROSS SECTIONS

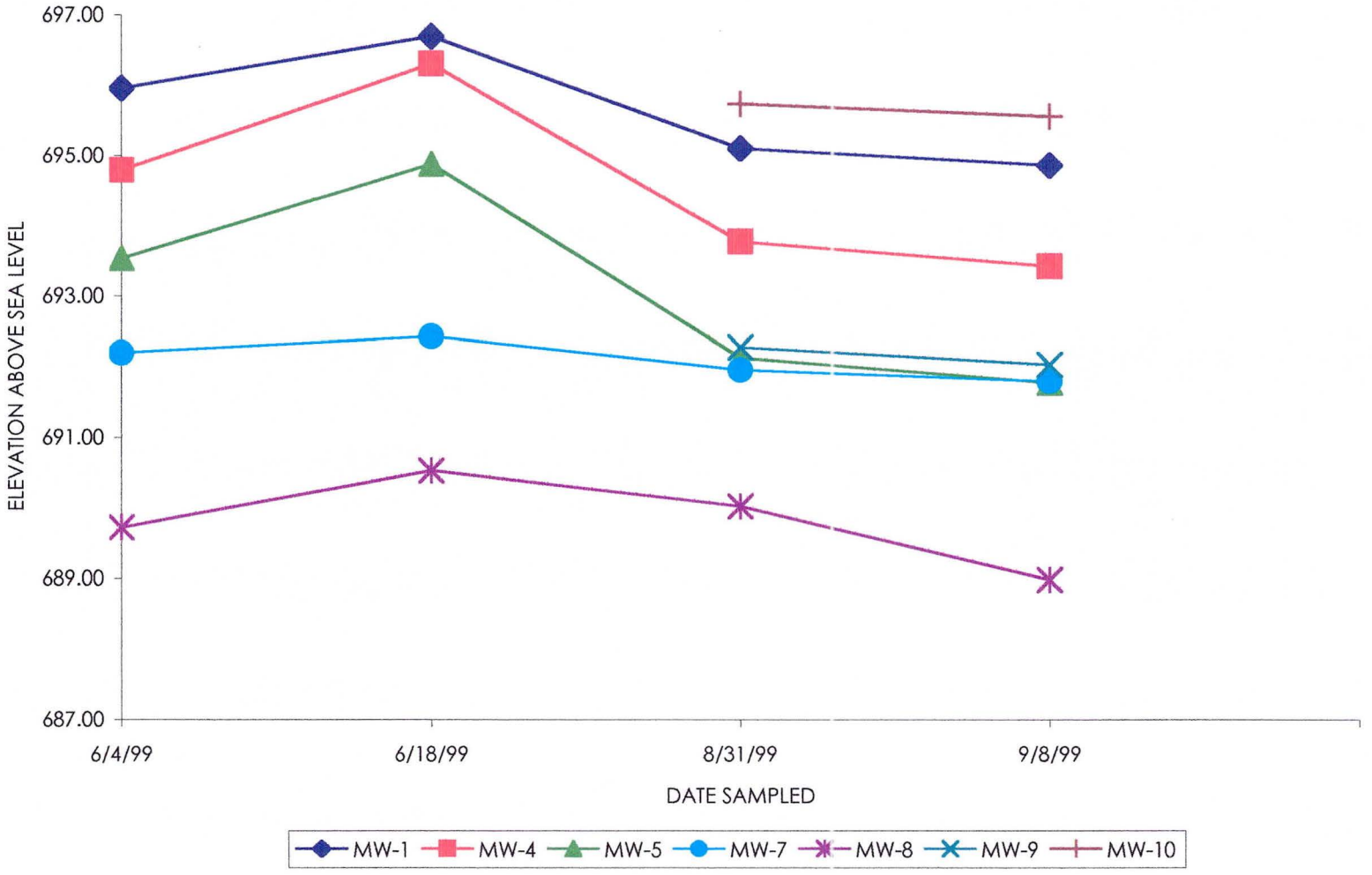
NORTH TO SOUTH (A-A') AND WEST TO EAST (B-B')

D&M MOTORS
5923 WEST LINCOLN
WEST ALLIS, WISCONSIN

INTERNATIONAL ENVIRONMENTAL CORPORATION
12714 W HAMPTON AVE (LLW)
BUTLER, WI 53007
414-790-0965
FAX 414-790-0969

BY: MED 01-11-2000

FIGURE 5
GRAPH OF GROUNDWATER ELEVATIONS
D & M MOTORS
5923 W. LINCOLN AVE., WEST ALLIS, WI



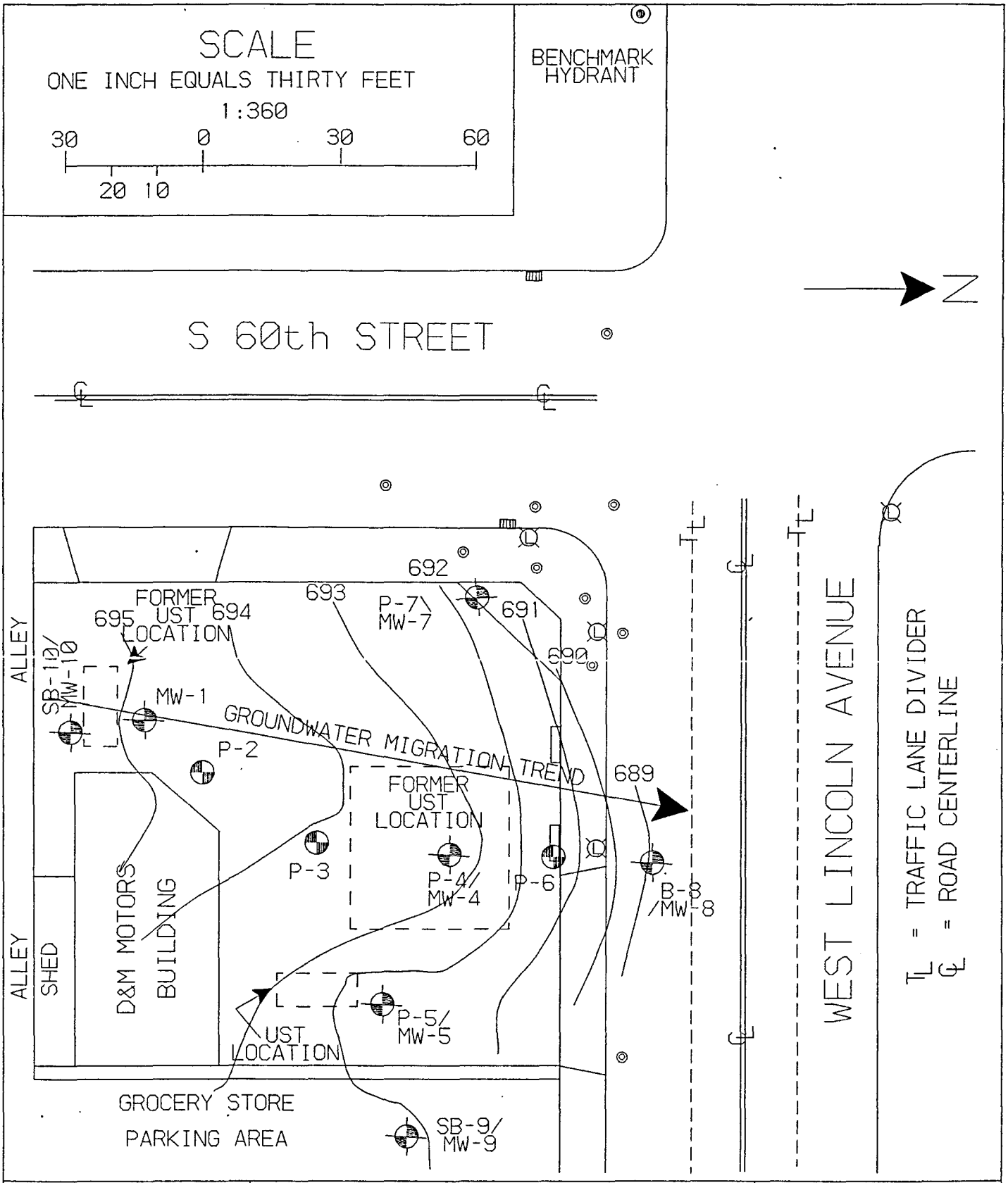


FIGURE 6

D&M MOTORS

5923 WEST LINCOLN
WEST ALLIS, WISCONSIN

GROUNDWATER EQUIPOTENTIAL MAP

INTERNATIONAL ENVIRONMENTAL CORPORATION
12714 W HAMPTON AVE (LLW)
BUTLER, WI 53007
414-790-0965
FAX 414-790-0969

BY: MED 5-07-99
REVISED 01-11-2000

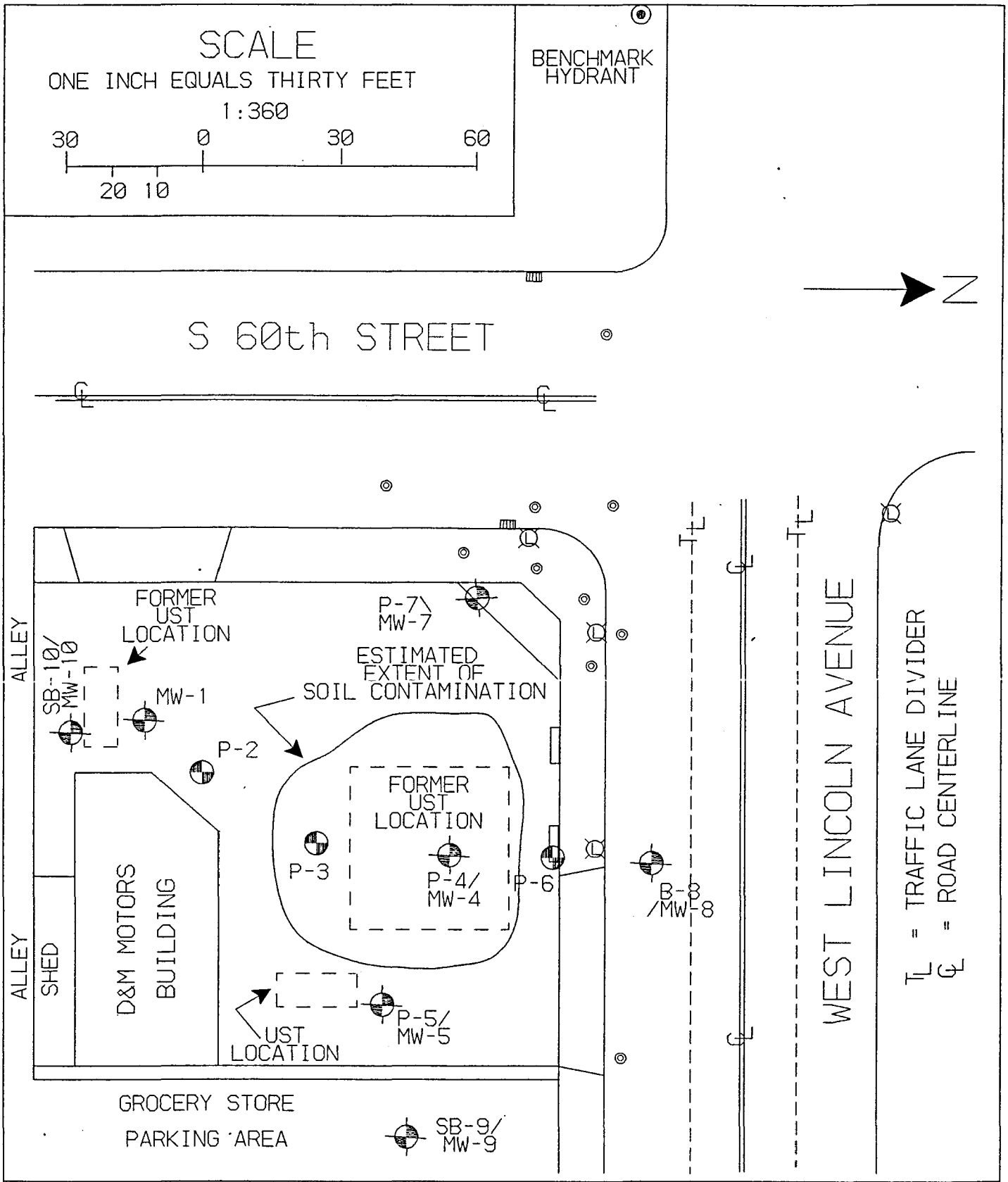


FIGURE 7

D&M MOTORS

5923 WEST LINCOLN
WEST ALLIS, WISCONSIN

ESTIMATED SOIL CONTAMINATION
EXCEEDING
COMM 46 TABLE 46.05 LEVELS

INTERNATIONAL
ENVIRONMENTAL
CORPORATION
12714 W HAMPTON AVE (LLW)
BUTLER, WI 53007
414-790-0965
FAX 414-790-0969

BY: MED 5-07-99
REVISED 01-11-2000

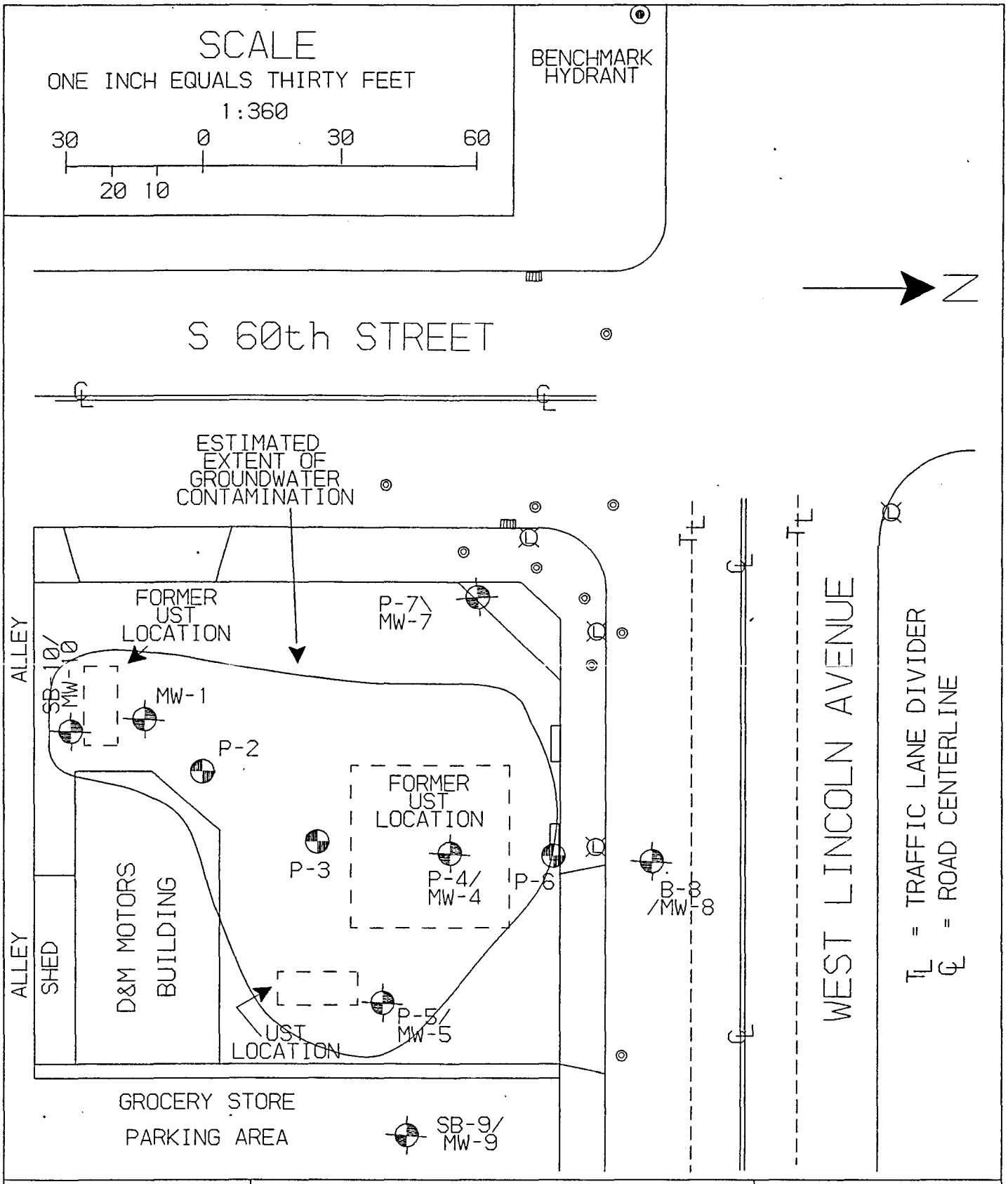


FIGURE 8

D&M MOTORS

5923 WEST LINCOLN
WEST ALLIS, WISCONSIN

ESTIMATED GROUNDWATER CONTAMINATION EXCEEDING NR 140.10 ES LEVELS

INTERNATIONAL ENVIRONMENTAL CORPORATION
12714 W HAMPTON AVE (LLW)
BUTLER, WI 53007
414-790-0965
FAX 414-790-0969

BY: MED 5-07-99
REVISED 01-11-2000

APPENDIX A

Soil Boring Log Information
And
Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: D&M Motors 5923 W. LINCOLN WESTALLIS	License/Permit/Monitoring Number: _____	Boring Number: P-1	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: DARRIN Last Name: FERGUSEN — Firm: ACCURATE SOIL PROBING	Date Drilling Started: 02/04/1999	Date Drilling Completed: 02/04/1999	Drilling Method: 2-inch SOIL PROBE / 4¼ HSA
WI Unique Well No.: JP 910	DNR Well ID No.: _____	Well Name: MW-1	Final Static Water Level: 694.86 Feet MSL
Surface Elevation: 702.52 Feet MSL	Borehole Diameter: 2 inches / 7.62		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E S/C/N — NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W	Lat 43° 00' 04.8" N — Long 087° 59' 14.0" W	Local Grid Location: ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
Facility ID: 241956660	County: MILWAUKEE	County Code: 41	Civil Town/City/or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	ODOR
1	32		1 2 3 4	0-4' FILL - SILT/CLAY/SAND/GRAV BRN, Dry — 4' Samples divided into A Top ½ / B Bttm ½	HF			A 1.5 B 1.4							N N
2	24		5 6 7 8	4-8' PI-2-6 8" SILT-CLAY W/SAND 16" GRAV/SAND/SILT, Moist	HF			A 1.3 B 1.5							N N
3	48			8-12' PI-3-9 9" GRAV W/SAND & SILT 7" SILT 28" SILT/CLAY BRN 4" SILT GREY ▽ $H_2O \approx 9'$	GM ML			A 1.8 B 1.3							N N

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E. Dixon — Firm: International Environmental Corp.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: D&M Motors 5923 W. LINCOLN WESTALLIS	License/Permit/Monitoring Number: _____	Boring Number: P-2	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: DARRIN Last Name: FERGUSEN; Firm: ACCURATE SOIL PROBING	Date Drilling Started: 02/04/1999	Date Drilling Completed: 02/04/1999	Drilling Method: 2 inch SOIL PROBE
WI Unique Well No.: N/A	DNR Well ID No.: _____	Well Name: N/A	Final Static Water Level: N/A Feet MSL
Surface Elevation: 702 Feet MSL	Borehole Diameter: 2 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E S/C/N	Lat 43° 00' 09.8" N Long 87° 59' 14.0" W	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W			
Facility ID: 241956660	County: MILWAUKEE	County Code: 41	Civil Town/City/or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				4' Samples divided into A TOP 1/2 / B Btm 1/2										R-00
1	39		1	0-4'				A						N
			2	8" GRAVEL w/ SAND & SILT MOIST	HF			1.0						
				31" SILT, SANDY, MOIST - BRN	ML			B 1.0						
			3											N
			4											
2	36			4-8' P2-2-7	ML			A						N
			5	27" SILT, SANDY, MOIST				1.0						
				5" SAND, GRAVELY, MOIST, BRN	SM									
			6	4" SILT, GREY	ML			B 2.2						
			7											N
			8											
3	41			8-12' P-2-3-8	ML									N
			9	19" SILT, MINOR SAND & CLAY	SM									
				13" SAND, GRAV & SILT	ML									
			10	7" SILT, BRN										
				2" SILT, GREY										
			11											N
			12	EOB 12'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E. Doron Firm: International Environmental Corp.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D&M Motors 5923 W. LINCOLN WESTALLIS	_____	P-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: DARRIN Last Name: FERGUSEN Firm: ACCURATE SOIL PROBING	02/04/1999	02/04/1999	2 inch SOIL PROBE

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
N/A	_____	N/A	_____ Feet MSL	701 Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 01.8" N
Long 87° 59' 14.0" W
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	OVA
				4' SAMPLES DIVIDED INTO A TOP 1/2 B BTM 1/2											
1	48		1 2 3 4	0-4' 3" GRAVEL 45" SILT Petrol odor in 32-38" INTERVAL	HF	F F F F F F		A 80 B 28.3							Y Y
2	37		4 5 6 7 8	4-8' P3-2-8 6" SILT w/OCL/SAND 2" GRAV SAND & SILT 11" SILT MOTTLED BRN/GREY 3" SAND w/SILT BRN 13" SILT GRN/BRN 2" SAND, SILTY w/GRAV	ML GM ML SM ML SM			A 5.7 B 331							Y Y
3	48		8 9 10 11 12	8-12 P3-3-9 2" GRAVEL w/SAND & SILT 46" SILT DENSE MOIST	GM ML			A 9.7 B 32							TOP 3" YES REMAINDER NO

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mark E. Dwyer Firm International Environmental Corp.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D&M Motors 5923 W. LINCOLN WESTALLIS	_ _ _ _ _ _ _	P24

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: DARRIN Last Name: FERGUSEN Firm: ACCURATE SOIL PROBING	02/04/1999	02/04/1999	2 inch SOIL PROBE

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _ _	N/A	_____ Feet MSL	701.0 Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 09.8" N
Long 087° 59' 14.0" W

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	OD &
				4' SAMPLES DIVIDED INTO A TOP 1/2 B BTM 1/2											
1	44		1	0-4 44" SILT W/ OCC SAND STRONG ODOR THROUGH-OUT BRN/GRN	HF			A 5.0							Y
			2					B 37.2							
			3												Y
			4												
2	48		5	4-8 P4-2-7 13" SILT W/ SAND & GRAV MOTTLED BRN/GREY	HF			A 330							Y
			6	30" SILT MOTTLED BRN/GREY TO GREEN DENSE, BRITTLE	ML										
			7					B 332							Y
			8												
3	48		9	8-12 34" SILT W/ OCC SAND & GRAV	ML			A 107							Y
			10	14" SAND, SILT, GRAV, SATURATED, STRONG PETROL ODOR Throughout	SM										
			11					B 346							Y
			12												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E Doerr Firm: International Environmental Corp.

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P-4

Sample Number and Type	Sample Length Att. & Recovered (in.)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
4	36		13 14 15	12-15 SILT W/OCC GRAV ODOR PRESENT IN TOP 6"	ML			A 107 B 0.0						6" yes 30" No

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D&M Motors 5923 W. LINCOLN WESTALLIS	_ _ _ _ _ _ _ _	P-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: DARRIN Last Name: FERGUSEN Firm: ACCURATE SOIL PROBING	02/04/1999	02/04/1999	2 inch SOIL PROBE

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _	N/A	_____ Feet MSL	701.11 Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 09.8" N
Long 087° 59' 14.0" W
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				4' SAMPLES DIVIDED INTO A Top½ B Bottom½										
1	48"		1	0-4' 7" SAND w/ occ grav & SILT 41" SILT; DENSE, BRITTLE, Grading From BRN to BLK to BRN. PETRL ODOR IN BLK AREAS.			HF ML	A 2.8 B 6.1						No Yes
2	48"		5	4-8' 36" SILT occ Sand/GRAV DENSE, BRITTLE, MOTTLED BRN/GREY 2" SAND w/SILT, occ GRAV 10" SILT BRN, MOIST			ML SM	A 5.3 B 23.2						Yes Yes
3	48		8	8-12 2" SILT 3" GRAV SAND SILT 28" SILT 2" SILT, GRAVELLY w/SAND 3" SILT 10" SILT w/SAND & GRAV SAT @ 9' EOB 12'			ML GM ML	A 2.9 B 1.9						No No

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mark E. Doran Firm International Env Corp.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D&M Motors 5923 W. LINCOLN WEST ALLIS	_ _ _ _ _ _ _	P-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: DARRIN Last Name: FERGUSEN Firm: ACCURATE SOIL PROBING	02/04/1999	02/04/1999	2 inch SOIL PROBE

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _	N/A	_____ Feet MSL	701 Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 09.8" N
Long 087° 59' 14.0" W
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				4' SAMPLES DIVIDED INTO A TOP 1/2 B BTM 1/2										
1	48		1 2 3 4	0-4 SILT w/ SC GRAV BRN/BLK	ML			A 2.0 B 1.3						No No
2	48		5 6 7 8	4-8 P6-2-7 43" SILT, OCC GRAV, MOTTLED BRN/BLK/GREY/GREEN 5" SILT, SANDY w/ OCC GRAV GREEN & BLK	ML			A 1.6 B 31.5						Yes Yes
3	34		9 10 11 12	8-12 P6-3-9 34" SILT OCC/ GRAV BRN/BLK EOB 12'	ML			A 112 B 258						No No

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mark S Dower Firm International Environmental Corp

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D&M Motors 5923 W. LINCOLN WESTALLIS	_ _ _ _ _ _ _ _	P7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: DARRIN Last Name: FERGUSEN Firm: ACCURATE SOIL PROBING	02/04/1999	02/04/1999	2 inch SOIL PROBE

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _	N/A	_____ Feet MSL	702.04 Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 01.8" N
Long 087° 59' 14.0" W
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				4' SAMPLES DIVIDED INTO A Top 1/2 B Btm 1/2										
1	48		1	0-4 48" SILT W/ GRAV & SAND (FILL) MOTTLED BRN/GREY/RUSTY BRN	HF			A 2.6 B 2.2						NO NO
			2											
			3											
			4											
2	32		5	4-8 P7-2-6 SAA (Same as above)	HF			A 2.4 B 2.3						NO NO
			6											
			7											
			8											
3	34		9	8-12 P7-3-9 30" SAA 4" SILT DENSE BRN/GREY	HF ML			A 4.2 B 1.7						NO NO
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mark E. Dorn Firm International Environmental Corp.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D & M Motors 5923 W. Lincoln	_____	B-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: CHUCK Last Name: GUENTHER Firm: WISCONSIN SOIL TESTING	05/28/1999	05/28/1999	4¼ HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JE909	_____	MW-8	688.98 Feet MSL	699.70 Feet MSL	7.65 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 09.8" Long 87° 59' 14.0"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	OVR
				Core 8" Concrete											
1	10	2/2/3/4	1	1-3 6" SILT/CLAY, DENSE, MOTTLED BRN/RUSTY BRN/BLK, MOIST	HF			0.2							N
			2	4" SILT, LOOSE, MINOR ORGANICS, COLORED AS ABOVE, MOIST	ML										
2	11	3/3/4/4	3	3-5 B8-2-4 11" SILT, SOFT, MOIST, OCC GRAY COLORED AS ABOVE.	ML			0.1							N
			4												
			5												
3	14	4/4/5/4	6	5-7 5" SAA 9" SILT/CLAY OCC SAND, DENSE BRN/W/GREY SOLUTION TRACKING IN FRACTURES	ML			0.0							N
			7												
4	20	6/7/10/12	8	7-9 6" SILT/CLAY AS ABOVE ▽H2O 8.5' 14" SAND - SILTY	ML			0.1							N
			9												
5	18	5/7/5/8	10	9-11 INTERBEDDED SILT/SILT-CLAY SATURATED BRN TO GREY @ 10.5'	ML			0.1							N
			11												
			12	Continued on next page											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mark E. Doerr Firm International Environmental Corp.

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B-8

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
6	10	6/12/7/15	11	11-13 SILT/CLAY MOIST PLASTIC GREY	ML			0.0						NO
			12											
			13											
7	24	4/5/6/6	13	13-15 14" SILT/CLAY W/SC SAND & OCC GRAV, GREY/BRN 2" SAND - SILTY SATURATED 10" SILT/CLAY W/SC SAND & OCC GRAV GREYBRN	ML			0.1						NO
			14											
			15											
			16											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Facility/Project Name: D & M Motors 5923 W. LINCOLN	License/Permit/Monitoring Number: _____	Boring Number: SB 9	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: CHUCK Last Name: GUENTHER; Firm: WISCONSIN SOIL TESTING	Date Drilling Started: 08/13/1999	Date Drilling Completed: 08/13/1999	Drilling Method: 4¼ HSA
WI Unique Well No.: JT254	DNR Well ID No.: _____	Well Name: MW-9	Final Static Water Level: 692.04 Feet MSL; Surface Elevation: 700.61 Feet MSL; Borehole Diameter: 7.6 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E S/C/N	Lat 43° 00' 09.8" Long 87° 59' 14.0"	Local Grid Location: ☐ N _____ Feet ☐ S ☐ E _____ Feet ☐ W	
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W			
Facility ID: 241956660	County: MILWAUKEE	County Code: 41	Civil Town/City/or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	≈1 ft Asphalt & Gravel Core										
1	8	3/3/3/6	2	1-3' SILT-CLAYEY w/Sc SAND & GRAV BRN	ML			1.2						NO
2	14	4/3/5/9	3	3-5 SB9-2-5 SAA w/ MOTTLED-BRN/RUSTY BRN	ML			2.6						NO Sampled
			4											
3	6	3/5/2/5	5	5-7 SB9-3-7 SAA	ML			1.8						NO Sampled
			6											
			7											
4	19	4/3/7/7	8	7-9 5" SILT, WELL SORTED-SATURATED	ML			1.6						NO
				1" SILT/CLAY	ML									
			9	3" SILT, WELL SORTED-SATURATED	SM									
				2" SAND (C-F), SILTY-SATURATED	ML									
5	14	6/7/3/7	10	3" SILT/CLAY, DENSE OCC SAND MOIST-BRN				1.2						NO
				9-11 SILT/CLAY, OCC SAND, DENSE MOIST-BRN	ML									
			11											
			12	Continued on next SHEET										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E. Gruber Firm: International Environmental Corp

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SB-9

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
6	24	7/8/7/9	11	11-13 3" SILT/CLAY, OCSAND, DENSE, MOIST, BRN 21" SILT, W/CLAY & SCATSAND, GRAV MOIST BRN	ML			1.2						No
			12											
			13											
7	24	6/10/8/12	14	13-15 SILT, W/CLAY, SCSAND & GRAV	ML			1.2						No
			15	SANDY SILT SEAM @ ≈17"	SM									
				EOB ≈ 16.0'										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
D & M Motors 5923 W. LINCOLN	_ _ _ _ _ _ _	SB-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: CHUCK Last Name: GUENTHER Firm: WISCONSIN SOIL TESTING	08 13 1999 (m m d d y y y y)	08 13 1999 (m m d d y y y y)	4 1/4 HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JI255	_ _ _	MW-10	695.55 Feet MSL	703 Feet MSL	7.6 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 11, T 6 N, R 21 E/W
Lat 43° 00' 09.8" Long 87° 59' 14.0"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
241956660	MILWAUKEE	41	WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments	8 R
1	24	3/3/3/4	1 2	1' Cored Concrete 1-3 FILL MATERIAL SAND/SILT/GRAV	HF			24						NO	
2	6	4/3/3/7	3 4 5	SB10-2-5 3-5 3" SAA 3" SILT/CLAY w/ OCC GRAV/SAND BRN	HF -- TILL ML			5.0						NO SAMPLED	
3	0		6	5-7 NO RECOVERY											
4	23	6/4/8/8	7 8 9	SB10-4-7 7-9 SILT w/CLAY, DENSE OCC SAND & GRAV BRN - RUSTY BRN	TILL ML			1.8						No SAMPLED	
5		11/8/9/8	10 11	9-11 2" SAA 3" GRAVEL w/ SILT/CLAY, BRN 19" SILT w/CLAY SC SAND & GRAV DENSE GREY Continued on next sheet	TILL ML GM ML			1.2						No	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Mark E. Doerr Firm International Environmental Corp

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SB-10

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
6	24	4/8/7/10	11	11-13										NO
				2" SAA	ML			1.4						
			12	3" GRAVEL W/SILT/CLAY BRN	GM									
				19" SILT W/ CLAY, SC SAND & GRAVEL	ML									
			13	DENSE, GREY										
7	24	10/8/12/7	14	13-15										NO
				SAA	ML			1.6						
			15											

APPENDIX B

Monitoring Well Construction
And
Development Forms

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTIC

Form 4400-113A Rev. 7-98

Facility/Project Name: 5423 W Lincoln D&M Motors West Allis, WI	Local Grid Location of Well ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 00' 9.83" Long. 87° 59' 14.09" or	Wis. Unique Well No.: JO910 / DNR Well ID No.: ____
Facility ID: 241956660	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 05/28/1999 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11, T. 6 N, R. 21 ☒ E ☐ W	Well Installed By: Name (first, last) and Fi: Wisconsin Soil Testing / Chuck Guenther
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 702.52 ft. MSL

B. Well casing, top elevation 702.17 ft. MSL

C. Land surface elevation 702.52 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 3.5 ft.

G. Filter pack, top _____ ft. MSL or 4.5 ft.

H. Screen joint, top _____ ft. MSL or 5.5 ft.

I. Well bottom _____ ft. MSL or 15.5 ft.

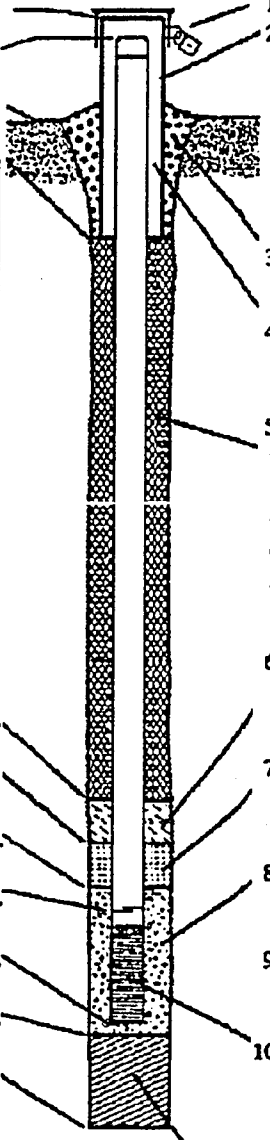
J. Filter pack, bottom _____ ft. MSL or 16.0 ft.

K. Borehole, bottom _____ ft. MSL or 16.0 ft.

L. Borehole, diameter 7.65 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.02 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 3 / Concrete ☒ 0 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☐ 3 / Other ☒ SAND

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3
b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 3
c. _____ Lbs/gal mud weight..... Bentonite slurry ☐ 3
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 5
e. 75 lbs. ft^3 volume added for any of the above
f. How installed: Bentonite/Annular Space Seal Concurrent — Tremie ☐ 0 / Tremie pumped ☐ 0 / Gravity ☒ 0

6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh siz
a. Red Silica 35-45
b. Volume added _____ ft^3 25 lbs

8. Filter pack material: Manufacturer, product name & mesh siz
a. Red Flint 80-120
b. Volume added _____ ft^3 350 lbs

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 / Flush threaded PVC schedule 80 ☐ 2 / Other ☐ _____

10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 1 / Continuous slot ☐ 0 / Other ☐ _____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in
d. Slotted length: 10.0 ft

11. Backfill material (below filter pack): None ☒ 1 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E. Dorn | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be

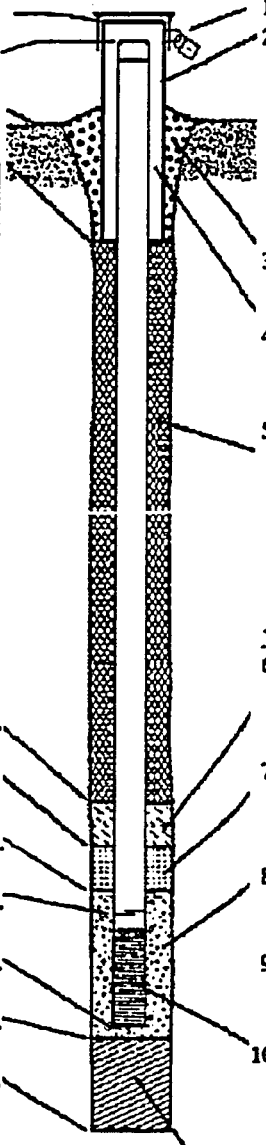
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTIC

Form 4400-113A Rev. 7-98

Facility/Project Name: 5923 W Lincoln D&M Motors West Allis, WI	Local Grid Location of Well ☐N. ☐S. _____ ft. ☐E. ☐W. _____ ft.	Well Name: MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 00' 9.83" Long. 87° 59' 14.09" or	Wis. Unique Well No.: JT253 / DNR Well ID No.: ____
Facility ID: 241956660	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed: 8/12/1999 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11 T. 6 N. R. 21 ☒E ☐W	Well Installed By: Name (first, last) and Fi: Wisconsin Soil Testing / AChuck Guenther
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known
		Gov. Lot Number: _____



A. Protective pipe, top elevation 701.01 ft. MSL

B. Well casing, top elevation 700.49 ft. MSL

C. Land surface elevation 701.01 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 / Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 3.67 ft.

G. Filter pack, top _____ ft. MSL or 4.67 ft.

H. Screen joint, top _____ ft. MSL or 5.67 ft.

I. Well bottom _____ ft. MSL or 15.67 ft.

J. Filter pack, bottom _____ ft. MSL or 16.0 ft.

K. Borehole, bottom _____ ft. MSL or 16.0 ft.

L. Borehole, diameter 7.65 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.02 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 3 / Concrete ☒ 0 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☐ 3 / SAND Other ☒ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 3
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 5
e. 75 lbs. ft³ volume added for any of the above
f. How installed: Bentonite Seal/Annular Space Seal Concurrent — Tremie ☐ 0 / Tremie pumped ☐ 0 / Gravity ☒ 0

6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 3
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh siz
a. Red Silica 35-45
b. Volume added _____ ft³ 25 lbs

8. Filter pack material: Manufacturer, product name & mesh si
a. Red Flint 80-120
b. Volume added _____ ft³ 350 lbs.

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 / Flush threaded PVC schedule 80 ☐ 2 / Other ☐ _____

10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 1 / Continuous slot ☐ 0 / Other ☐ _____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in
d. Slotted length: 10.0 ft

11. Backfill material (below filter pack): None ☒ 1 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark S Worm | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTIC

Form 4400-113A Rev. 7-98

Facility/Project Name: 5923 W Lincoln D&M Motors West Allis, WI	Local Grid Location of Well ☐N. ☐S. _____ ft. ☐E. ☐W. _____ ft.	Well Name: MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 00' 9.83" Long. 87° 59' 14.09" or	Wis. Unique Well No.: JT252 / DNR Well ID No.: ____
Facility ID: 241956660	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 05/28/1999 (m m d d y y y y)
Type of Well / Well Code: 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11 T. 6 N. R. 21 ☒E ☐W	Well Installed By: Name (first, last) and Fi: Wisconsin Soil Testing / A Chuck Guenther
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 701.11 ft. MSL

B. Well casing, top elevation 700.61 ft. MSL

C. Land surface elevation 701.11 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☒ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 3.65 ft.

G. Filter pack, top _____ ft. MSL or 4.65 ft.

H. Screen joint, top _____ ft. MSL or 5.65 ft.

I. Well bottom _____ ft. MSL or 15.65 ft.

J. Filter pack, bottom _____ ft. MSL or 16.0 ft.

K. Borehole, bottom _____ ft. MSL or 16.0 ft.

L. Borehole, diameter 7.65 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.02 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0
Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 3
Concrete ☒ 0
Other ☐

4. Material between well casing and protective pipe:
SAND
Bentonite ☐ 3
Other ☒

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 3
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 5
e. 75 lbs Ft³ volume added for any of the above
f. How installed: Bentonite / Annular Space Seals Concurrent
Tremie ☐ 0
Tremie pumped ☐ 0
Gravity ☒ 0

6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 3
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh siz
a. Red Silica 35-45
b. Volume added _____ ft³ 50 lbs

8. Filter pack material: Manufacturer, product name & mesh siz
a. Red Flint 80-120
b. Volume added _____ ft³ 350 lbs

9. Well casing: Flush threaded PVC schedule 40 ☒ 2
Flush threaded PVC schedule 80 ☐ 2
Other ☐ _____

10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 0
Other ☐ _____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in
d. Slotted length: 10.0 ft

11. Backfill material (below filter pack): None ☒ 14
Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E. Doerr | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTIO

Form 4400-113A Rev. 7-98

Facility/Project Name: D&M Motors 5423 W Lincoln West Allis, WI	Local Grid Location of Well: ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	Well Name: MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43 ° 00 ' 9.83 " Long. 87 ° 59 ' 14.09 " or	Wis. Unique Well No.: JT251 / DNR Well ID No.: ____
Facility ID: 241956660	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 05 / 28 / 1994 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11 T. 6 N. R. 21 ☒ E. ☐ W.	Well Installed By: Name (first, last) and Fi: Wisconsin Soil Testing / A. Chuck Guenther
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known
		Gov. Lot Number: _____

A. Protective pipe, top elevation 702.04 ft. MSL

B. Well casing, top elevation 701.62 ft. MSL

C. Land surface elevation 702.04 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 3.57 ft.

G. Filter pack, top _____ ft. MSL or 4.57 ft.

H. Screen joint, top _____ ft. MSL or 5.57 ft.

I. Well bottom _____ ft. MSL or 15.57 ft.

J. Filter pack, bottom _____ ft. MSL or 16.0 ft.

K. Borehole, bottom _____ ft. MSL or 16.0 ft.

L. Borehole, diameter 7.65 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.02 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 3 / Concrete ☒ 0 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☐ 3 / Other ☒ SAND

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 3
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 5
e. 75 lbs Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 / Tremie pumped ☐ 0 / Gravity ☒ 0

6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 3
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh siz
a. Red Silica 35-45
b. Volume added 50 lbs ft³

8. Filter pack material: Manufacturer, product name & mesh siz
a. Red Flint 80-120
b. Volume added 350 lbs ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 / Flush threaded PVC schedule 80 ☐ 2 / Other ☐ _____

10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 0 / Other ☐ _____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in
d. Slotted length: 10.0 ft

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E Dower | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTIC

Form 4400-113A Rev. 7-98

Facility/Project Name: 5923 W Lincoln D&M Motors West Allis, WI	Local Grid Location of Well ☐N. ☐S. ____ ft. ☐E. ☐W. ____ ft.	Well Name: MW-E
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43 ° 00 ' 9.83 " Long. 87 ° 59 ' 14.09 " or	Wis. Unique Well No.: JO909 / DNR Well ID No.: ____
Facility ID: 241956660	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 8/12/1994 (m m d d y y y y)
Type of Well / Well Code: 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11 T. 6 N. R. 21 ☒E ☐W	Well Installed By: Name (first, last) and Fi: Wisconsin Soil Testing / AChuck Guenther
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation 699.20 ft. MSL

B. Well casing, top elevation 699.47 ft. MSL

C. Land surface elevation 699.70 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.

F. Fine sand, top ____ ft. MSL or 3.38 ft.

G. Filter pack, top ____ ft. MSL or 4.38 ft.

H. Screen joint, top ____ ft. MSL or 5.38 ft.

I. Well bottom ____ ft. MSL or 15.38 ft.

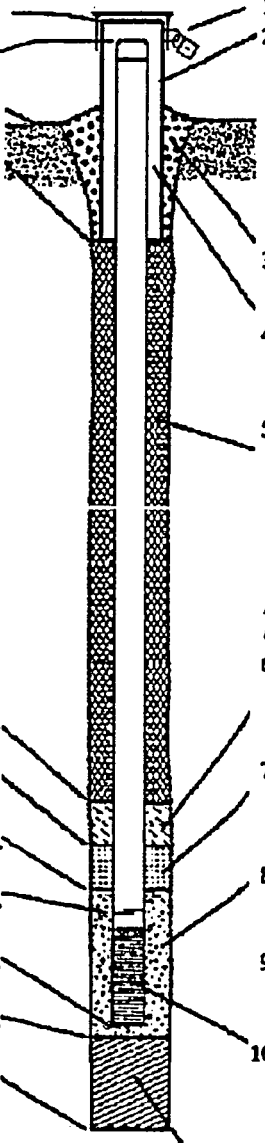
J. Filter pack, bottom ____ ft. MSL or 16.0 ft.

K. Borehole, bottom ____ ft. MSL or 16.0 ft.

L. Borehole, diameter 7.65 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.02 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 3 / Concrete ☒ 0 / Other ☐ ____

4. Material between well casing and protective pipe:
SAND
Bentonite ☐ 3 / Other ☒ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 3
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 5
e. 75 lbs Ft³ volume added for any of the above
f. How installed: Annular Space and Bentonite Seals Concurrent
Tremie ☐ 0 / Tremie pumped ☐ 0 / Gravity ☒ 0

6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 3
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh siz
a. Red Silica 35-45
b. Volume added 50 lbs ft³

8. Filter pack material: Manufacturer, product name & mesh si
a. Red Flint 80-120
b. Volume added 350 lbs ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 / Flush threaded PVC schedule 80 ☐ 2 / Other ☐ ____

10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 1 / Continuous slot ☐ 0 / Other ☐ ____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 1 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark S' Donn | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTIC

Form 4400-113A Rev. 7-98

Facility/Project Name: 5923 W Lincoln D&M Motors West Allis, WI	Local Grid Location of Well ☐N. ☐S. ____ ft. ☐E. ☐W. ____ ft.	Well Name: MW-9
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43 ° 00 ' 9.83 " Long. 87 ° 59 ' 14.09 " or	Wis. Unique Well No.: JT254 / DNR Well ID No.: ____
Facility ID: 241956660	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/13/1994 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11 T. 6 N, R. 21 ☒E ☐W	Well Installed By: Name (first, last) and Fi: Wisconsin Soil Testing / A Chuck Guenther
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation 699.95 ft. MSL
B. Well casing, top elevation 699.39 ft. MSL
C. Land surface elevation 699.95 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

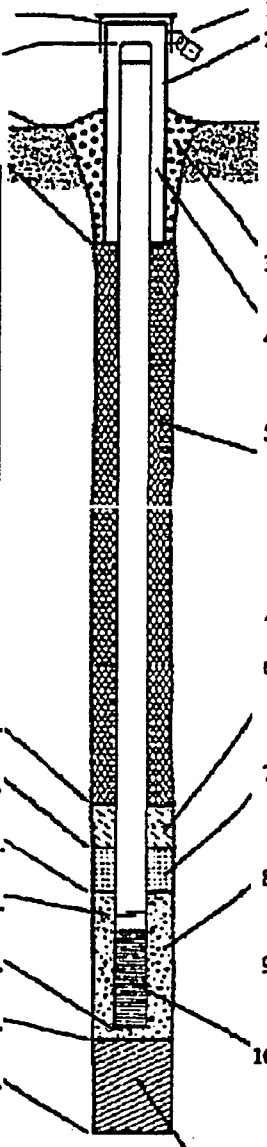
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or 3.71 ft.
G. Filter pack, top ____ ft. MSL or 4.71 ft.
H. Screen joint, top ____ ft. MSL or 5.21 ft.
I. Well bottom ____ ft. MSL or 15.71 ft.
J. Filter pack, bottom ____ ft. MSL or 16.9 ft.
K. Borehole, bottom ____ ft. MSL or 16.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.02 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 / Concrete ☒ 0 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 3 / Other ☒ SAND
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 3
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 5
e. 50 lbs Ft³ volume added for any of the above
f. How installed: Annular Space and Bentonite Seals Concurrent. Tremie ☐ 0 / Tremie pumped ☐ 0 / Gravity ☒ 0
6. Bentonite seal: a. Bentonite granules ☒ 3
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 3
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh si
a. Red Silica 35-45
b. Volume added 25 lbs ft³
8. Filter pack material: Manufacturer, product name & mesh si
a. Red Flint 50-120
b. Volume added 325 lbs ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 / Flush threaded PVC schedule 80 ☐ 2 / Other ☐ ____
10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 1 / Continuous slot ☐ 0 / Other ☐ ____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in
d. Slotted length: 10.0
11. Backfill material (below filter pack): None ☒ 1 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark E. Brown | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 5423 W Lincoln D&M Motors West Allis, WI	Local Grid Location of Well ☐ N. _____ ft. ☐ S. ☐ E. _____ ft. ☐ W.	Well Name: MW-10
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. 43° 00' 9.83" Long. 87° 59' 14.09" or	Wis. Unique Well No.: JI255 / DNR Well ID No.: ___
Facility ID: 241956660	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 8/13/1999 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 11 T. 6 N, R. 21 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Wisconsin Soil Testing, A Chuck Guenther
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 703.00 ft. MSL
B. Well casing, top elevation 702.46 ft. MSL
C. Land surface elevation 703.00 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

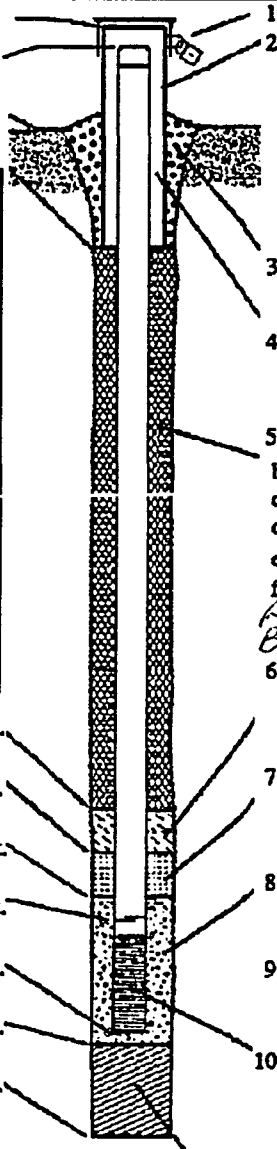
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required): N/A

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 3.69 ft.
G. Filter pack, top _____ ft. MSL or 4.69 ft.
H. Screen joint, top _____ ft. MSL or 5.69 ft.
I. Well bottom _____ ft. MSL or 15.69 ft.
J. Filter pack, bottom _____ ft. MSL or 16.0 ft.
K. Borehole, bottom _____ ft. MSL or 16.0 ft.
L. Borehole, diameter 7.65 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.02 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒ SAND
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. 50 lbs Ft³ volume added for any of the above
f. How installed: Annular Space and Bentonite Seals Concurrent — Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Silica 35-45
b. Volume added 25 lbs ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 80-120
b. Volume added 300 lbs ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: Sch 40 2" PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer Environmental Well Products
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark S. Dorow | Firm: International Environmental Corp

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be

APPENDIX C

Soil Sample Laboratory Analytical Results
And
Chain of Custody Documentation

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990094
DATE REPORTED:	11-Mar-99
DATE RECEIVED:	08-Feb-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 13991										
Client ID: **P1-2-6**								Collection: 2/4/99	Time: 09:25	
								Sample Description:		
Lead - ICAP	**20**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**17**	**%**	**#**			ASTM E2	tlg	2/10/99	*990252*	
Solids, Total Percent	**83**	**%**	**#**			SM 2540	tlg	2/10/99	*990227*	
Nova Sample Number: 13992										
Client ID: **P-1-3-9**								Collection: 2/4/99	Time: 09:38	
								Sample Description:		
Lead - ICAP	**27**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**16**	**%**	**#**			ASTM E2	tlg	2/10/99	*990252*	
Solids, Total Percent	**84**	**%**	**#**			SM 2540	tlg	2/10/99	*990227*	
Nova Sample Number: 13993										
Client ID: **P2-2-7**								Collection: 2/4/99	Time: 10:00	
								Sample Description:		
Lead - ICAP	**26**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**16**	**%**	**#**			ASTM E2	tlg	2/10/99	*990252*	
Solids, Total Percent	**84**	**%**	**#**			SM 2540	tlg	2/10/99	*990227*	
Nova Sample Number: 13994										
Client ID: **P2-3-9**								Collection: 2/4/99	Time: 10:08	
								Sample Description:		
Lead - ICAP	**44**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**16**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**84**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	
Nova Sample Number: 13995										
Client ID: **P3-2-8**								Collection: 2/4/99	Time: 10:30	
								Sample Description:		
Lead - ICAP	**27**	**mg/kg**	**DB**	3.8	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**19**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**81**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	
Nova Sample Number: 13996										
Client ID: **P3-3-9**								Collection: 2/4/99	Time: 10:50	
								Sample Description:		
Lead - ICAP	**30**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990094
DATE REPORTED:	11-Mar-99
DATE RECEIVED:	09-Feb-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Percent Moisture	**17**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**84**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	

Nova Sample Number: 13997
Client ID: **P4-2-7**
Collection: 2/4/99 Time: 11:11
Sample Description:

Lead - ICAP	**21**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**16**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**84**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	

Nova Sample Number: 13998
Client ID: **P4-3-9**
Collection: 2/4/99 Time: 11:25
Sample Description:

Lead - ICAP	**28**	**mg/kg**	**DB**	3.6	11	6010	dmd	2/17/99	*990278*	
Percent Moisture	**15**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**85**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	

Nova Sample Number: 13999
Client ID: **P5-2-6**
Collection: 2/4/99 Time: 11:47
Sample Description:

Lead - ICAP	**40**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990278*	
Percent Moisture	**18**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**82**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	

Nova Sample Number: 14000
Client ID: **PS-3-9**
Collection: 2/4/99 Time: 12:00
Sample Description:

Lead - ICAP	**20**	**mg/kg**	**DB**	3.5	11	6010	dmd	2/17/99	*990278*	
Percent Moisture	**13**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**88**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	

Nova Sample Number: 14001
Client ID: **P6-2-7**
Collection: 2/4/99 Time: 12:37
Sample Description:

Lead - ICAP	**36**	**mg/kg**	**DB**	3.8	12	6010	dmd	2/17/99	*990279*	
Percent Moisture	**19**	**%**	**#**			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**81**	**%**	**#**			SM 2540	tlg	2/10/99	*990228*	

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990094
DATE REPORTED: 11-Mar-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 14002										
Client ID: **P6-3-9**							Collection: 2/4/99		Time: 12:49	
							Sample Description:			
Lead - ICAP	**<3.6**	**mg/kg**	**DB**	3.6	11	6010	dmd	2/17/99	*990279*	
Percent Moisture	**14**	**%**	#			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**86**	**%**	#			SM 2540	tlg	2/10/99	*990228*	
Nova Sample Number: 14003										
Client ID: **P7-2-6**							Collection: 2/4/99		Time: 13:14	
							Sample Description:			
Lead - ICAP	**39**	**mg/kg**	**DB**	3.7	12	6010	dmd	2/17/99	*990279*	
Percent Moisture	**18**	**%**	#			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**82**	**%**	#			SM 2540	tlg	2/10/99	*990228*	
Nova Sample Number: 14004										
Client ID: **P7-3-9**							Collection: 2/4/99		Time: 13:27	
							Sample Description:			
Lead - ICAP	**40**	**mg/kg**	**DB**	3.8	12	6010	dmd	2/17/99	*990279*	
Percent Moisture	**20**	**%**	#			ASTM E2	tlg	2/10/99	*990249*	
Solids, Total Percent	**80**	**%**	#			SM 2540	tlg	2/10/99	*990228*	
Nova Sample Number: 14005										
Client ID: **trip blank**							Collection: 2/4/99		Time:	
							Sample Description:			
Solids, Total Percent	**100**	**%**	#			SM 2540	tlg	2/10/99	*990228*	

Approved By: _____ **Date:** 3/12/99
James Chang, Ph.D. , Lab Director

DB *Results expressed as dry weight.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 25-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 13991		QC Batch Number: 990310					Collection: 2/4/99			Time: 09:25
Client ID: P1-2-6		%Solid: *82.9*					Sample Description:			
Gas Range Organics	< 0.6	mg/kg	0.6	2	1		WI GRO	tlg		2/22/99
Nova Sample Number: 13992		QC Batch Number: 990310					Collection: 2/4/99			Time: 09:38
Client ID: P-1-3-9		%Solid: *84.1*					Sample Description:			
Gas Range Organics	**1.2**	mg/kg	0.6	2	1	*J*	WI GRO	tlg		2/22/99
Nova Sample Number: 13993		QC Batch Number: 990310					Collection: 2/4/99			Time: 10:00
Client ID: P2-2-7		%Solid: *83.6*					Sample Description:			
Gas Range Organics	**12**	mg/kg	0.6	2	1		WI GRO	tlg		2/22/99
Nova Sample Number: 13994		QC Batch Number: 990309					Collection: 2/4/99			Time: 10:08
Client ID: P2-3-9		%Solid: *84*					Sample Description:			
Gas Range Organics	< 0.6	mg/kg	0.6	2	1		WI GRO	tlg		2/19/99
Nova Sample Number: 13995		QC Batch Number: 990334					Collection: 2/4/99			Time: 10:30
Client ID: P3-2-8		%Solid: *80.7*					Sample Description:			
Gas Range Organics	**113**	mg/kg	3.1	10	5		WI GRO	tlg		2/23/99
Nova Sample Number: 13996		QC Batch Number: 990309					Collection: 2/4/99			Time: 10:50
Client ID: P3-3-9		%Solid: *83.7*					Sample Description:			
Gas Range Organics	**5.1**	mg/kg	0.6	2	1		WI GRO	tlg		2/19/99
Nova Sample Number: 13997		QC Batch Number: 990309					Collection: 2/4/99			Time: 11:11
Client ID: P4-2-7		%Solid: *84*					Sample Description:			
Gas Range Organics	**2260**	mg/kg	12	38	20		WI GRO	tlg		2/19/99
Nova Sample Number: 13998		QC Batch Number: 990309					Collection: 2/4/99			Time: 11:25
Client ID: P4-3-9		%Solid: *85.3*					Sample Description:			
Gas Range Organics	**57**	mg/kg	0.6	2	1		WI GRO	tlg		2/19/99
Nova Sample Number: 13999		QC Batch Number: 990310					Collection: 2/4/99			Time: 11:47
Client ID: P5-2-6		%Solid: *82*					Sample Description:			
Gas Range Organics	**5.7**	mg/kg	0.6	2	1		WI GRO	tlg		2/22/99

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 25-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 14000		QC Batch Number: 990310					Collection: 2/4/99			Time: 12:00
Client ID: PS-3-9		%Solid: *87.5*					Sample Description:			
Gas Range Organics	**4.9**	**mg/kg**	0.6	2	1		WI GRO	tlg		2/22/99
Nova Sample Number: 14001		QC Batch Number: 990310					Collection: 2/4/99			Time: 12:37
Client ID: P6-2-7		%Solid: *80.6*					Sample Description:			
Gas Range Organics	**27**	**mg/kg**	0.6	2	1		WI GRO	tlg		2/22/99
Nova Sample Number: 14002		QC Batch Number: 990310					Collection: 2/4/99			Time: 12:49
Client ID: P6-3-9		%Solid: *85.7*					Sample Description:			
Gas Range Organics	**54**	**mg/kg**	0.6	2	1		WI GRO	tlg		2/22/99
Nova Sample Number: 14003		QC Batch Number: 990334					Collection: 2/4/99			Time: 13:14
Client ID: P7-2-6		%Solid: *82*					Sample Description:			
Gas Range Organics	**1.9**	**mg/kg**	0.6	2	1	*J*	WI GRO	tlg		2/23/99
Nova Sample Number: 14004		QC Batch Number: 990334					Collection: 2/4/99			Time: 13:27
Client ID: P7-3-9		%Solid: *80.1*					Sample Description:			
Gas Range Organics	**1.7**	**mg/kg**	0.6	2	1	*J*	WI GRO	tlg		2/23/99
Nova Sample Number: 14005		QC Batch Number: 990310					Collection: 2/4/99			Time:
Client ID: trip blank		%Solid: *100*					Sample Description:			
Gas Range Organics	**.7**	**mg/kg**	0.5	2	1	*J*	WI GRO	tlg		2/22/99

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 25-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.

Approved By: _____ **Date:** 2-26-99
James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier: "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 17-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 13991		QC Batch Number: 990274					Collection: 2/4/99			Time: 09:25
Client ID: P1-2-6		%Solid: *82.9*					Sample Description:			
Diesel Range Organics	7.1	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13992		QC Batch Number: 990274					Collection: 2/4/99			Time: 09:38
Client ID: P-1-3-9		%Solid: *84.1*					Sample Description:			
Diesel Range Organics	8.6	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13993		QC Batch Number: 990274					Collection: 2/4/99			Time: 10:00
Client ID: P2-2-7		%Solid: *83.6*					Sample Description:			
Diesel Range Organics	4.3	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13994		QC Batch Number: 990274					Collection: 2/4/99			Time: 10:08
Client ID: P2-3-9		%Solid: *84*					Sample Description:			
Diesel Range Organics	4.6	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13995		QC Batch Number: 990274					Collection: 2/4/99			Time: 10:30
Client ID: P3-2-8		%Solid: *80.7*					Sample Description:			
Diesel Range Organics	10	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13996		QC Batch Number: 990274					Collection: 2/4/99			Time: 10:50
Client ID: P3-3-9		%Solid: *83.7*					Sample Description:			
Diesel Range Organics	26	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13997		QC Batch Number: 990274					Collection: 2/4/99			Time: 11:11
Client ID: P4-2-7		%Solid: *84*					Sample Description:			
Diesel Range Organics	4.4	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13998		QC Batch Number: 990274					Collection: 2/4/99			Time: 11:25
Client ID: P4-3-9		%Solid: *85.3*					Sample Description:			
Diesel Range Organics	21	mg/kg	1.1	3	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 13999		QC Batch Number: 990274					Collection: 2/4/99			Time: 11:47
Client ID: P5-2-6		%Solid: *82*					Sample Description:			
Diesel Range Organics	7.7	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3

ORGANIC REPORT

WDNR# 241340550
INVOICE NUMBER: 990094
DATE REPORTED: 17-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 14000		QC Batch Number: 990274					Collection: 2/4/99		Time: 12:00	
Client ID: PS-3-9		%Solid: *87.5*					Sample Description:			
Diesel Range Organics	4.5	mg/kg	1.1	3	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 14001		QC Batch Number: 990274					Collection: 2/4/99		Time: 12:37	
Client ID: P6-2-7		%Solid: *80.6*					Sample Description:			
Diesel Range Organics	8	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 14002		QC Batch Number: 990274					Collection: 2/4/99		Time: 12:49	
Client ID: P6-3-9		%Solid: *85.7*					Sample Description:			
Diesel Range Organics	27	mg/kg	1.1	3	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 14003		QC Batch Number: 990274					Collection: 2/4/99		Time: 13:14	
Client ID: P7-2-6		%Solid: *82*					Sample Description:			
Diesel Range Organics	10	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99
Nova Sample Number: 14004		QC Batch Number: 990274					Collection: 2/4/99		Time: 13:27	
Client ID: P7-3-9		%Solid: *80.1*					Sample Description:			
Diesel Range Organics	9.5	mg/kg	1.2	4	1		WI DR	qh	2/13/99	2/16/99

Approved By: _____ **Date:** 2/24/99
James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 13991	*Percent Solid: 82.9 %*		*QC Batch Number: 990238*			*Sample analyzed within 5 Day(s) from collection.*				
Client ID: P1-2-6	Sample Description:						*Collection: 2/4/99*		*Time: 09:25*	
1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 13992 *Percent Solid: 84.1 %* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: P-1-3-9 Sample Description: *Collection: 2/4/99* *Time: 09:38*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	291	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 13993 *Percent Solid: 83.6%* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: P2-2-7 Sample Description: *Collection: 2/4/99* *Time: 10:00*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: **13994** *Percent Solid: 84 %* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **P2-3-9** Sample Description: *Collection: 2/4/99 Time: 10:08*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99

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APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: **13995** *Percent Solid: 80.7%* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **P3-2-8** Sample Description: *Collection: 2/4/99* *Time: 10:30*

1,1,1-Trichloroethane	<250*	ug/kg	250	600	58	10		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<250*	ug/kg	250	600	73	10		8260	srh	2/9/99
1,1,2-Trichloroethane	<250*	ug/kg	250	600	73	10		8260	srh	2/9/99
1,1-Dichloroethane	<250*	ug/kg	250	600	38	10		8260	srh	2/9/99
1,1-Dichloroethene	<250*	ug/kg	250	600	89	10		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<250*	ug/kg	250	600	55	10		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<250*	ug/kg	250	600	40	10		8260	srh	2/9/99
1,2,4-Trimethylbenzene	7270	ug/kg	250	600	73	10		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<250*	ug/kg	250	600	148	10		8260	srh	2/9/99
1,2-Dichlorobenzene	<250*	ug/kg	250	600	51	10		8260	srh	2/9/99
1,2-Dichloroethane	<250*	ug/kg	250	600	49	10		8260	srh	2/9/99
1,2-Dichloropropane	<250*	ug/kg	250	600	58	10		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<250*	ug/kg	250	600	57	10		8260	srh	2/9/99
1,3-Dichlorobenzene	<250*	ug/kg	250	600	47	10		8260	srh	2/9/99
1,3-Dichloropropane	<250*	ug/kg	250	600	53	10		8260	srh	2/9/99
1,4-Dichlorobenzene	<250*	ug/kg	250	600	36	10		8260	srh	2/9/99
2,2-Dichloropropane	<250*	ug/kg	250	600	100	10		8260	srh	2/9/99
2-Chlorotoluene	<250*	ug/kg	250	600	38	10		8260	srh	2/9/99
4-Chlorotoluene	<250*	ug/kg	250	600	62	10		8260	srh	2/9/99
Benzene	<250*	ug/kg	250	600	47	10		8260	srh	2/9/99
Bromobenzene	<250*	ug/kg	250	600	48	10		8260	srh	2/9/99
Bromodichloromethane	<250*	ug/kg	250	600	64	10		8260	srh	2/9/99
Carbon tetrachloride	<250*	ug/kg	250	600	54	10		8260	srh	2/9/99
Chlorobenzene	<250*	ug/kg	250	600	51	10		8260	srh	2/9/99
Chloroethane	<290	ug/kg	250	600	290	10		8260	srh	2/9/99
Chloroform	<250*	ug/kg	250	600	68	10		8260	srh	2/9/99
Chloromethane	<250*	ug/kg	250	600	193	10		8260	srh	2/9/99
cis-1,2-Dichloroethene	<250*	ug/kg	250	600	50	10		8260	srh	2/9/99
Dibromochloromethane	<250*	ug/kg	250	600	53	10		8260	srh	2/9/99
Dichlorodifluoromethane	<250*	ug/kg	250	600	89	10		8260	srh	2/9/99
Ethylbenzene	<250*	ug/kg	250	600	39	10		8260	srh	2/9/99
Hexachlorobutadiene	<250*	ug/kg	250	600	56	10		8260	srh	2/9/99
Isopropyl Ether	<250*	ug/kg	250	600	80	10		8260	srh	2/9/99

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APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Isopropylbenzene	<250*	ug/kg	250	600	41	10		8260	srh	2/9/99
m&p-xylene	357	ug/kg	250	600	91	10	J	8260	srh	2/9/99
Methylene chloride	<250*	ug/kg	250	600	190	10		8260	srh	2/9/99
MTBE	<250*	ug/kg	250	600	52	10		8260	srh	2/9/99
n-Butylbenzene	<250*	ug/kg	250	600	57	10		8260	srh	2/9/99
n-Propylbenzene	1430	ug/kg	250	600	62	10		8260	srh	2/9/99
Naphthalene	647	ug/kg	250	600	114	10		8260	srh	2/9/99
o-xylene	<250*	ug/kg	250	600	44	10		8260	srh	2/9/99
p-Isopropyltoluene	<250*	ug/kg	250	600	45	10		8260	srh	2/9/99
sec-Butylbenzene	357	ug/kg	250	600	74	10		8260	srh	2/9/99
tert-Butylbenzene	<250*	ug/kg	250	600	51	10		8260	srh	2/9/99
Tetrachloroethene	<250*	ug/kg	250	600	72	10		8260	srh	2/9/99
Toluene	<250*	ug/kg	250	600	82	10		8260	srh	2/9/99
trans-1,2-Dichloroethene	<250*	ug/kg	250	600	41	10		8260	srh	2/9/99
Trichloroethene	<250*	ug/kg	250	600	40	10		8260	srh	2/9/99
Trichlorofluoromethane	<250*	ug/kg	250	600	85	10		8260	srh	2/9/99
Vinyl chloride	<250*	ug/kg	250	600	54	10		8260	srh	2/9/99

Sample Number: **13996** *Percent Solid: 83.7%* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **P3-3-9** Sample Description: *Collection: 2/4/99* *Time: 10:50*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	1950	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: **13997** *Percent Solid:* *84 %* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **P4-2-7** Sample Description: *Collection: 2/4/99* *Time: 11:11*

1,1,1-Trichloroethane	<500*	ug/kg	500	1200	116	20		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<500*	ug/kg	500	1200	146	20		8260	srh	2/9/99
1,1,2-Trichloroethane	<500*	ug/kg	500	1200	147	20		8260	srh	2/9/99
1,1-Dichloroethane	<500*	ug/kg	500	1200	76	20		8260	srh	2/9/99
1,1-Dichloroethene	<500*	ug/kg	500	1200	178	20		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<500*	ug/kg	500	1200	110	20		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<500*	ug/kg	500	1200	79	20		8260	srh	2/9/99
1,2,4-Trimethylbenzene	101000	ug/kg	500	1200	147	20		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<500*	ug/kg	500	1200	295	20		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dichlorobenzene	<500*	ug/kg	500	1200	101	20		8260	srh	2/9/99
1,2-Dichloroethane	<500*	ug/kg	500	1200	97	20		8260	srh	2/9/99
1,2-Dichloropropane	<500*	ug/kg	500	1200	116	20		8260	srh	2/9/99
1,3,5-Trimethylbenzene	30600	ug/kg	500	1200	114	20		8260	srh	2/9/99
1,3-Dichlorobenzene	<500*	ug/kg	500	1200	94	20		8260	srh	2/9/99
1,3-Dichloropropane	<500*	ug/kg	500	1200	107	20		8260	srh	2/9/99
1,4-Dichlorobenzene	<500*	ug/kg	500	1200	73	20		8260	srh	2/9/99
2,2-Dichloropropane	<500*	ug/kg	500	1200	200	20		8260	srh	2/9/99
2-Chlorotoluene	<500*	ug/kg	500	1200	76	20		8260	srh	2/9/99
4-Chlorotoluene	<500*	ug/kg	500	1200	124	20		8260	srh	2/9/99
Benzene	602	ug/kg	500	1200	94	20		8260	srh	2/9/99
Bromobenzene	<500*	ug/kg	500	1200	96	20		8260	srh	2/9/99
Bromodichloromethane	<500*	ug/kg	500	1200	129	20		8260	srh	2/9/99
Carbon tetrachloride	<500*	ug/kg	500	1200	108	20		8260	srh	2/9/99
Chlorobenzene	<500*	ug/kg	500	1200	101	20		8260	srh	2/9/99
Chloroethane	<579	ug/kg	500	1200	579	20		8260	srh	2/9/99
Chloroform	<500*	ug/kg	500	1200	137	20		8260	srh	2/9/99
Chloromethane	<500*	ug/kg	500	1200	386	20		8260	srh	2/9/99
cis-1,2-Dichloroethene	<500*	ug/kg	500	1200	100	20		8260	srh	2/9/99
Dibromochloromethane	<500*	ug/kg	500	1200	105	20		8260	srh	2/9/99
Dichlorodifluoromethane	<500*	ug/kg	500	1200	178	20		8260	srh	2/9/99
Ethylbenzene	43800	ug/kg	500	1200	78	20		8260	srh	2/9/99
Hexachlorobutadiene	<500*	ug/kg	500	1200	112	20		8260	srh	2/9/99
Isopropyl Ether	<500*	ug/kg	500	1200	160	20		8260	srh	2/9/99
Isopropylbenzene	3270	ug/kg	500	1200	82	20		8260	srh	2/9/99
m&p-xylene	162000	ug/kg	500	1200	181	20		8260	srh	2/9/99
Methylene chloride	<500*	ug/kg	500	1200	379	20		8260	srh	2/9/99
MTBE	<500*	ug/kg	500	1200	103	20		8260	srh	2/9/99
n-Butylbenzene	<500*	ug/kg	500	1200	113	20		8260	srh	2/9/99
n-Propylbenzene	15700	ug/kg	500	1200	123	20		8260	srh	2/9/99
Naphthalene	16900	ug/kg	500	1200	229	20		8260	srh	2/9/99
o-xylene	1100	ug/kg	500	1200	88	20		8260	srh	2/9/99
p-Isopropyltoluene	901	ug/kg	500	1200	90	20		8260	srh	2/9/99
sec-Butylbenzene	2110	ug/kg	500	1200	148	20		8260	srh	2/9/99
tert-Butylbenzene	<500*	ug/kg	500	1200	102	20		8260	srh	2/9/99
Tetrachloroethene	<500*	ug/kg	500	1200	144	20		8260	srh	2/9/99
Toluene	<500*	ug/kg	500	1200	164	20		8260	srh	2/9/99
trans-1,2-Dichloroethene	<500*	ug/kg	500	1200	82	20		8260	srh	2/9/99
Trichloroethene	<500*	ug/kg	500	1200	80	20		8260	srh	2/9/99
Trichlorofluoromethane	<500*	ug/kg	500	1200	170	20		8260	srh	2/9/99
Vinyl chloride	<500*	ug/kg	500	1200	107	20		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 13998	*Percent Solid:*	*85.3%*	*QC Batch Number: 990238*			*Sample analyzed within*	*5*	*Day(s) from collection.*		
Client ID: P4-3-9	Sample Description:					*Collection:*	*2/4/99*	*Time:*	*11:25*	
1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	1170	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	258	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	1340	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	8200	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	121	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	16100	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	160	ug/kg	25	60	6	1.0		8260	srh	2/9/99

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APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Naphthalene	568	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	898	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	356	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 13999 *Percent Solid: 82%* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: P5-2-6 Sample Description: *Collection: 2/4/99* *Time: 11:47*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99

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APL Environmental
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: **14000** *Percent Solid: 87.5%* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **PS-3-9** Sample Description: *Collection: 2/4/99 Time: 12:00*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

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APL Environmental
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 14001 *Percent Solid: 80.6 %* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: P6-2-7 Sample Description: *Collection: 2/4/99* *Time: 12:37*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	1210	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	82	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	48	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	82	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	255	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	35	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 14002 *Percent Solid: 85.7%* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: P6-3-9 Sample Description: *Collection: 2/4/99* *Time: 12:49*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	1990	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	407	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	576	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	4480	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99

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APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Isopropylbenzene	169	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	5000	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	320	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	225	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	500	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	609	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 14003 *Percent Solid:* 82 % *QC Batch Number:* 990238 *Sample analyzed within* 5 *Day(s) from collection.*
Client ID: P7-2-6 Sample Description: *Collection:* 2/4/99 *Time:* 13:14

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	31	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

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8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	42	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	55	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Sample Number: 14004 *Percent Solid: 80.1 %* *QC Batch Number: 990238* *Sample analyzed within 5 Day(s) from collection.*
Client ID: P7-3-9 Sample Description: *Collection: 2/4/99* *Time: 13:27*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 08-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990094
DATE REPORTED: 11-Feb-99
DATE RECEIVED: 09-Feb-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 14005	*Percent Solid:*	*100%*	*QC Batch Number: 990238*			*Sample analyzed within*	*5*	*Day(s) from collection.*		
Client ID: trip blank	Sample Description:					*Collection:*	*2/4/99*	*Time:*		
1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	2/9/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	2/9/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	2/9/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	2/9/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	2/9/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER:	990094
DATE REPORTED:	11-Feb-99
DATE RECEIVED:	09-Feb-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	2/9/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	2/9/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	2/9/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	2/9/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	2/9/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	2/9/99

Approved By: _____ **Date:** 2/26/99
James Chang, Ph.D. , Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: D & M Motors

Project ID: 6001

Project Manager: Mark E. Dorow
Company: International Env. Corp
Address: 12714 W HAMPTON
City/State/Zip , BUTLER WI 53007
Phone: 414 7900965 **Fax:** 414 7900969

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

100 Preservation / Filtration Cod

	Test Required	Matrix																	
01	GRO	S	X	X	X	X	X	X	X	X	X	X	X	X	X			X	E
02	VOC	S	X	X	X	X	X	X	X	X	X	X	X	X	X			X	E
03	DRO	S	1	1	1	1	1	1	1	1	1	1	1	1	1				G/H
04	% Moisture	S	1	1	1	1	1	1	1	1	1	1	1	1	1				G
05	Pb	S	1	1	1	1	1	1	1	1	1	1	1	1	1				G
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			

Additional Information:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Collection Time	9:25	9:38	10:00	10:08	10:30	10:50	11:11	11:25	11:47	12:00	12:37	12:49	1:14	1:27			
Collection Date	2/3/99																
Sample ID	P1-2-6	P1-3-9	P2-2-7	P2-3-9	P3-2-8	P3-3-9	P4-2-7	P4-3-9	P5-2-6	P5-3-9	P6-2-7	P6-3-9	P7-2-6	P7-3-9			TRIP BLANK
Lab ID	13991	13992	13993	13994	13995	13996	13997	13998	13999	14000	14001	14002	14003	14004			14005

COC: 990094

Relinquished By:	Date/Time	Received By:
Mark E Dorow	2-3-99 5:00	

Special Instructions:

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990410
DATE REPORTED: 07-Jun-99
DATE RECEIVED: 01-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: 15262	*Percent Solid:*	*100%*	*QC Batch Number: 991115*			*Sample analyzed within*	*5*	*Day(s) from collection.*		
Client ID: trip blank	Sample Description:					*Collection:*	*5/28/99*	*Time:*		
1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	6/2/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	6/2/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	6/2/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	6/2/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	6/2/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	6/2/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990410
DATE REPORTED: 07-Jun-99
DATE RECEIVED: 01-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	6/2/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	6/2/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99

Sample Number: **15263** *Percent Solid: 86.3%* *QC Batch Number: 991115* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **B-8-2-4** Sample Description: *Collection: 5/28/99 Time: 08:55*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	6/2/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	6/2/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	6/2/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	6/2/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER:	990410
DATE REPORTED:	07-Jun-99
DATE RECEIVED:	28-May-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	6/2/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	6/2/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	6/2/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	6/2/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99

Sample Number: **15264** *Percent Solid: 82.3 %* *QC Batch Number: 991115* *Sample analyzed within 5 Day(s) from collection.*
Client ID: **B8; 4-8** Sample Description: *Collection: 5/28/99 Time: 09:15*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	srh	6/2/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990410
DATE REPORTED: 15-Jun-99
DATE RECEIVED: 01-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 15262	QC Batch Number: 991176						Collection: 5/28/99		Time:	
Client ID: trip blank	%Solid: *100*						Sample Description:			
Gas Range Organics	.6	mg/kg	0.50	2	1	J	WI GRO	tlg		6/14/99
Nova Sample Number: 15263	QC Batch Number: 991176						Collection: 5/28/99		Time: 08:55	
Client ID: B-8-2-4	%Solid: *86.3*						Sample Description:			
Gas Range Organics	< 0.58	mg/kg	0.58	2	1		WI GRO	tlg		6/14/99
Nova Sample Number: 15264	QC Batch Number: 991176						Collection: 5/28/99		Time: 09:15	
Client ID: B8; 4-8	%Solid: *82.3*						Sample Description:			
Gas Range Organics	< 0.61	mg/kg	0.61	2	1		WI GRO	tlg		6/14/99

Approved By: _____ **Date:** 6/15/99
James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier: "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990410
DATE REPORTED: 07-Jun-99
DATE RECEIVED: 01-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	srh	6/2/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	srh	6/2/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	srh	6/2/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	srh	6/2/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	srh	6/2/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	srh	6/2/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	srh	6/2/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	srh	6/2/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	srh	6/2/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	srh	6/2/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	srh	6/2/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	srh	6/2/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER:	990410
DATE REPORTED:	07-Jun-99
DATE RECEIVED:	01-Jun-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis

Approved By: _____ **Date:** 6/15/99
James Chang, Ph.D. , Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990410
DATE REPORTED: 10-Jun-99
DATE RECEIVED: 28-May-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 15263		QC Batch Number: 991147					Collection: 5/28/99			Time: 08:55
Client ID: B-8-2-4		%Solid: *86.3*					Sample Description:			
Diesel Range Organics	**3.2**	**mg/kg**	1.1	3	1	*J*	WI DRO	qh	6/9/99	6/9/99
Nova Sample Number: 15264		QC Batch Number: 991147					Collection: 5/28/99			Time: 09:15
Client ID: B8; 4-8		%Solid: *82.3*					Sample Description:			
Diesel Range Organics	**3.1**	**mg/kg**	1.2	4	1	*J*	WI DRO	qh	6/9/99	6/9/99

Approved By: _____ **Date:** 6/10/99
James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990410
DATE REPORTED: 15-Jun-99
DATE RECEIVED: 01-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 15262										
Client ID: **trip blank**							Collection: 5/28/99 Sample Description:			Time:
Solids, Total Percent	**100**	**%**	**#**			SM 2540	rf		*991110*	*TRIP BLANK*
Nova Sample Number: 15263										
Client ID: **B-8-2-4**							Collection: 5/28/99 Sample Description:			Time: 08:55
Lead - ICAP	**13**	**mg/kg**	**DB**	2.5	8.0	6010	dmd	6/7/99	*991099*	
Solids, Total Percent	**86**	**%**	**#**			SM 2540	rf		*991110*	
Nova Sample Number: 15264										
Client ID: **B8; 4-8**							Collection: 5/28/99 Sample Description:			Time: 09:15
Lead - ICAP	**8.8**	**mg/kg**	**DB**	2.5	8.0	6010	dmd	6/7/99	*991099*	
Solids, Total Percent	**82**	**%**	**#**			SM 2540	rf		*991110*	

Approved By: _____ **Date:** 6/15/99
James Chang, Ph.D. , Lab Director

DB *Results expressed as dry weight.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: D & M Motors

Project ID: 6001

Project Manager: Mark E. Dorow
Company: International Enviro
Address: 12714 W. HAMPTON C
City/State/Zip: BUTLER WI 530
Phone: 790-0965 **Fax:** 790-096

Samples received "On Ice" | Temperature: ___C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

Preservation / Filtration Cod

	Test Required	JALS	Matrix																		Preservation / Filtration Cod
01	VOC (8260)	1	S	X	X	X															E
02	GRO (WDNR)	1	S	X	X	X															E
03	DRO (WDNR)	1	S		X	X															G
04	LEAD (7421)	1	S		X	X															G
05	% Solid	1	S		X	X															G
06																					
07																					
08																					
09																					
10																					
11																					
12																					
13																					
14																					
15																					
	Collection Time				8:55	9:15															COC
	Collection Date				5-28-99	5-28-99															
	Sample ID			TRIP BLANK	B8-2-4	B8-4-8															
	Lab ID			152602	152603	152604															
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

Additional Information:

Relinquished By:	Date/Time	Received By:
Mark E. Dorow	5-29-99 4:15	1630.

Special Instructions:

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 23-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
Nova Sample Number: 16102	QC Batch Number: 991782						Collection: 8/13/99			Time: 09:00
Client ID: SB9-2-5	%Solid: *79.3*						Sample Description:			
Gas Range Organics	< 0.63	**mg/kg**	0.63	2	1		WI GRO	cps		8/20/99
Nova Sample Number: 16103	QC Batch Number: 991782						Collection: 8/13/99			Time: 09:16
Client ID: SB9-9-3-7	%Solid: *74.6*						Sample Description:			
Gas Range Organics	< 0.67	**mg/kg**	0.67	2	1		WI GRO	cps		8/20/99
Nova Sample Number: 16104	QC Batch Number: 991782						Collection: 8/13/99			Time: 10:15
Client ID: SB-10-2-5	%Solid: *83.6*						Sample Description:			
Gas Range Organics	< 0.60	**mg/kg**	0.60	2	1		WI GRO	cps		8/20/99
Nova Sample Number: 16105	QC Batch Number: 991782						Collection: 8/13/99			Time: 10:23
Client ID: SB10-4-7	%Solid: *85.6*						Sample Description:			
Gas Range Organics	< 0.58	**mg/kg**	0.58	2	1		WI GRO	cps		8/20/99

Approved By: _____ **Date:** 8/24/99
James Chang, Ph.D., Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: **16101**	*Percent Solid:*	*100 %*	*QC Batch Number: 991729*			*Sample analyzed within 4 Day(s) from collection.*				
Client ID: **Trip Blank**	Sample Description:						*Collection:*	*8/13/99*	*Time:*	
1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	cps	8/17/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	cps	8/17/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	cps	8/17/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	cps	8/17/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99

Sample Number: **16102** *Percent Solid: 79.3%* *QC Batch Number: 991729* *Sample analyzed within 4 Day(s) from collection.*
Client ID: **SB9-2-5** Sample Description: *Collection: 8/13/99 Time: 09:00*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	cps	8/17/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	cps	8/17/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	cps	8/17/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	cps	8/17/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99

Sample Number: **16103** *Percent Solid: 74.6%* *QC Batch Number: 991729* *Sample analyzed within 4 Day(s) from collection.*
Client ID: **SB9-9-3-7** Sample Description: *Collection: 8/13/99* *Time: 09:16*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	cps	8/17/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
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SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	cps	8/17/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	cps	8/17/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	cps	8/17/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99

Sample Number: 16104 *Percent Solid: 83.6%* *QC Batch Number: 991729* *Sample analyzed within 4 Day(s) from collection.*
Client ID: SB-10-2-5 Sample Description: *Collection: 8/13/99* *Time: 10:15*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	cps	8/17/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	cps	8/17/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	cps	8/17/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
MTBE	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	cps	8/17/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Toluene	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99

Sample Number: **16105** *Percent Solid: 85.6%* *QC Batch Number: 991729* *Sample analyzed within 4 Day(s) from collection.*
Client ID: **SB10-4-7** Sample Description: *Collection: 8/13/99 Time: 10:23*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1,2-Trichloroethane	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,1-Dichloroethane	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,1-Dichloroethene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	15	1.0		8260	cps	8/17/99
1,2-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloroethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,2-Dichloropropane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
1,3-Dichlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,3-Dichloropropane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
1,4-Dichlorobenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
2,2-Dichloropropane	<25*	ug/kg	25	60	10	1.0		8260	cps	8/17/99
2-Chlorotoluene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
4-Chlorotoluene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Benzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Bromodichloromethane	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Carbon tetrachloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chlorobenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Chloroethane	<29	ug/kg	25	60	29	1.0		8260	cps	8/17/99
Chloroform	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Chloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dibromochloromethane	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Dichlorodifluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Ethylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Hexachlorobutadiene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Isopropyl Ether	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 990619
DATE REPORTED: 19-Aug-99
DATE RECEIVED: 13-Aug-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Isopropylbenzene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
m&p-xylene	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Methylene chloride	<25*	ug/kg	25	60	19	1.0		8260	cps	8/17/99
MTBE	268	ug/kg	25	60	5	1.0		8260	cps	8/17/99
n-Butylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
n-Propylbenzene	<25*	ug/kg	25	60	6	1.0		8260	cps	8/17/99
Naphthalene	<25*	ug/kg	25	60	11	1.0		8260	cps	8/17/99
o-xylene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
p-Isopropyltoluene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
sec-Butylbenzene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
tert-Butylbenzene	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99
Tetrachloroethene	<25*	ug/kg	25	60	7	1.0		8260	cps	8/17/99
Toluene	<25*	ug/kg	25	60	8	1.0		8260	cps	8/17/99
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichloroethene	<25*	ug/kg	25	60	4	1.0		8260	cps	8/17/99
Trichlorofluoromethane	<25*	ug/kg	25	60	9	1.0		8260	cps	8/17/99
Vinyl chloride	<25*	ug/kg	25	60	5	1.0		8260	cps	8/17/99

Approved By: _____ **Date:** 9/4/99

James Chang, Ph.D. , Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990619
DATE REPORTED:	24-Aug-99
DATE RECEIVED:	13-Aug-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 16101										
Client ID: **Trip Blank**							Collection: 8/13/99 Sample Description:			Time:
Solids, Total Percent	100	%	#			SM 2540	rf	8/18/99	*991720*	*blank*
Nova Sample Number: 16102										
Client ID: **SB9-2-5**							Collection: 8/13/99 Sample Description:			Time: 09:00
Lead - ICAP	9.8	mg/kg	*J* DB	4	13	6010	dmd/rf	8/20/99	*991772*	
Solids, Total Percent	79	%	#			SM 2540	rf	8/18/99	*991720*	
Nova Sample Number: 16103										
Client ID: **SB9-9-3-7**							Collection: 8/13/99 Sample Description:			Time: 09:16
Lead - ICAP	25	mg/kg	DB	4.1	13	6010	dmd/rf	8/20/99	*991772*	
Solids, Total Percent	75	%	#			SM 2540	rf	8/18/99	*991720*	
Nova Sample Number: 16104										
Client ID: **SB-10-2-5**							Collection: 8/13/99 Sample Description:			Time: 10:15
Lead - ICAP	14	mg/kg	DB	3.5	11	6010	dmd/rf	8/20/99	*991772*	
Solids, Total Percent	84	%	#			SM 2540	rf	8/18/99	*991720*	
Nova Sample Number: 16105										
Client ID: **SB10-4-7**							Collection: 8/13/99 Sample Description:			Time: 10:23
Lead - ICAP	11	mg/kg	*J* DB	3.7	12	6010	dmd/rf	8/20/99	*991772*	
Solids, Total Percent	86	%	#			SM 2540	rf	8/18/99	*991720*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	990619
DATE REPORTED:	24-Aug-99
DATE RECEIVED:	13-Aug-99
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments

Approved By: _____ **Date:** 8/24/99
James Chang, Ph.D., Lab Director

DB *Results expressed as dry weight.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: D&M Motors
Project ID: 6001

Project Manager: Mark Doro
Company: International Environme
Address: 12714 W. HAMPTON AVE
City/State/Zip: BUTLER WI 53007
Phone: 790-0965 Fax: 790-096

Samples received "On Ice" | Temperature: ___C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

Preservation / Filtration Co

	Test Required	Matrix																		
01	VOC - Soil 8260	Soil	X	X	X	X	X													E
02	GRO	Soil		X	X	X	X													E
03	Pb 7421	Soil		X	X	X	X													F
04	% Solids			X	X	X	X													
05																				
06																				
07																				
08																				
09																				
10																				
11																				
12																				
13																				
14																				
15																				

Additional Information:

Collection Time			9:00	9:16	10:15	10:23														
Collection Date	8-13-99																			
Sample ID	TRIP BLANK	SB9-2-5	SB9-9-3-7	SB10-2-5	SB10-4-7															
Lab ID	16101	16102	16103	16104	16105															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			

COC 990819

Relinquished By:	Date/Time	Received By:
Mark E. Doro	8-13-99 15:05	Kandi L Kuczynski

Special Instructions:

APPENDIX D

Groundwater Laboratory Analytical Results
And
Chain of Custody Documentation

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 25-Jun-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 15509	QC Prep Batch Number: 991262						Collection: 6/18/99		Time: 15:25
Client ID: MW-1							Sample Description:		
Diesel Range Organics	178	ug/l	18	59	1		WI DRO	qh	6/21/99 / 6/22/99
Sample Number: 15510	QC Prep Batch Number: 991262						Collection: 6/18/99		Time: 15:50
Client ID: MW-4							Sample Description:		
Diesel Range Organics	4270	ug/l	92	293	5		WI DRO	qh	6/21/99 / 6/22/99
Sample Number: 15511	QC Prep Batch Number: 991262						Collection: 6/18/99		Time: 16:10
Client ID: MW-5							Sample Description:		
Diesel Range Organics	1930	ug/l	18	59	1		WI DRO	qh	6/21/99 / 6/22/99
Sample Number: 15512	QC Prep Batch Number: 991262						Collection: 6/18/99		Time: 16:30
Client ID: MW-7							Sample Description:		
Diesel Range Organics	21	ug/l	18	59	1	J	WI DRO	qh	6/21/99 / 6/22/99
Sample Number: 15513	QC Prep Batch Number: 991262						Collection: 6/18/99		Time: 16:50
Client ID: MW-8							Sample Description:		
Diesel Range Organics	82	ug/l	18	59	1		WI DRO	qh	6/21/99 / 6/22/99

Approved By: _____ **Date:** 7/13/99
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier: "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 13-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 15509	QC Prep Batch Number: 991320						Collection: 6/18/99		Time: 15:25
Client ID: MW-1							Sample Description:		
Gas Range Organics	139	ug/l	14	45	1		WI GRO	tlg	/ 6/28/99
Sample Number: 15510	QC Prep Batch Number: 991320						Collection: 6/18/99		Time: 15:50
Client ID: MW-4							Sample Description:		
Gas Range Organics	29100	ug/l	282	897	20		WI GRO	tlg	/ 6/28/99
Sample Number: 15511	QC Prep Batch Number: 991320						Collection: 6/18/99		Time: 16:10
Client ID: MW-5							Sample Description:		
Gas Range Organics	2380	ug/l	14	45	1		WI GRO	tlg	/ 6/28/99
Sample Number: 15512	QC Prep Batch Number:						Collection: 6/18/99		Time: 16:30
Client ID: MW-7							Sample Description:		
Gas Range Organics	< 14	ug/l	14	45	1		WI GRO	tlg	/ 6/30/99
Sample Number: 15513	QC Prep Batch Number:						Collection: 6/18/99		Time: 16:50
Client ID: MW-8							Sample Description:		
Gas Range Organics	< 14	ug/l	14	45	1		WI GRO	tlg	/ 6/30/99

Approved By: _____ **Date:** 7/13/99

James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990475
DATE REPORTED: 13-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler, WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 15509										
Client ID: **MW-1**								Collection: 6/18/99		Time: 15:25
								Sample Description:		
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	
Nova Sample Number: 15510										
Client ID: **MW-4**								Collection: 6/18/99		Time: 15:50
								Sample Description:		
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	
Nova Sample Number: 15511										
Client ID: **MW-5**								Collection: 6/18/99		Time: 16:10
								Sample Description:		
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	
Nova Sample Number: 15512										
Client ID: **MW-7**								Collection: 6/18/99		Time: 16:30
								Sample Description:		
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	
Nova Sample Number: 15513										
Client ID: **MW-8**								Collection: 6/18/99		Time: 16:50
								Sample Description:		
Lead - Furnace AA	**<1.4**	**ug/l**	**RJ**	1.4	4.5	239.2	dmd/rf	6/22/99	*991246*	

Approved By: _____ **Date:** 7/13/99

James Chang, Ph.D., Lab Director

RJ ***Result expressed as Total.***

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 15508		QC Prep Batch Number:	991265		*Sample analyzed within*		*Day(s) from collection.*			
Client ID: Trip Blank	Sample Description:				*Collection:*		*Time:*			
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Sample Number: 15509 QC Prep Batch Number: 991265 *Sample analyzed within 11 Day(s) from collection.*
Client ID: MW-1 Sample Description: *Collection: 6/18/99 Time: 15:25*

1,1,1,2-Tetrachloroethane	< 0.4	ug/l	0.4	1.3	ns	2		8260	srh	6/29/99
1,1,1-Trichloroethane	< 0.46	ug/l	0.46	1.5	40	2		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 0.58	ug/l	0.58	1.8	0.02	2		8260	srh	6/29/99
1,1,2-Trichloroethane	< 0.58	ug/l	0.58	1.8	0.5	2		8260	srh	6/29/99
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.95	85	2		8260	srh	6/29/99
1,1-Dichloroethene	< 0.72	ug/l	0.72	2.3	0.7	2		8260	srh	6/29/99
1,1-Dichloropropene	< 0.98	ug/l	0.98	3.1	ns	2		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	ns	2		8260	srh	6/29/99
1,2,3-Trichloropropane	< 1.2	ug/l	1.2	3.8	ns	2		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 0.32	ug/l	0.32	1	14	2		8260	srh	6/29/99
1,2,4-Trimethylbenzene	< 0.58	ug/l	0.58	1.8	ns	2		8260	srh	6/29/99
1,2-Dibromoethane	< 0.48	ug/l	0.48	1.5	0.005	2		8260	srh	6/29/99
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.3	60	2		8260	srh	6/29/99
1,2-Dichloroethane	< 0.38	ug/l	0.38	1.2	0.5	2		8260	srh	6/29/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.46	ug/l	0.46	1.5	0.5	2		8260	srh	6/29/99
1,3,5-Trimethylbenzene	< 0.46	ug/l	0.46	1.5	ns	2		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.2	125	2		8260	srh	6/29/99
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	ns	2		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.95	15	2		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 1.2	ug/l	1.2	3.8	0.02	2		8260	srh	6/29/99
2,2-Dichloropropane	< 0.8	ug/l	0.8	2.5	ns	2		8260	srh	6/29/99
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	90	2		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.58	ug/l	0.58	1.8	ns	2		8260	srh	6/29/99
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	2		8260	srh	6/29/99
4-Chlorotoluene	< 0.5	ug/l	0.5	1.6	ns	2		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 1.7	ug/l	1.7	5.3	50	2		8260	srh	6/29/99
Acetone	< 3.1	ug/l	3.1	9.9	200	2		8260	srh	6/29/99
Benzene	2.6	ug/l	0.38	1.2	0.5	2		8260	srh	6/29/99
Bromobenzene	< 0.38	ug/l	0.38	1.2	ns	2		8260	srh	6/29/99
Bromochloromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	srh	6/29/99
Bromodichloromethane	< 0.52	ug/l	0.52	1.7	0.06	2		8260	srh	6/29/99
Bromoform	< 0.94	ug/l	0.94	3	0.44	2		8260	srh	6/29/99
Bromomethane	< 0.42	ug/l	0.42	1.3	1	2		8260	srh	6/29/99
Carbon tetrachloride	< 0.44	ug/l	0.44	1.4	0.5	2		8260	srh	6/29/99
Chlorobenzene	< 0.4	ug/l	0.4	1.3	20	2		8260	srh	6/29/99
Chloroethane	< 2.3	ug/l	2.3	7.4	80	2		8260	srh	6/29/99
Chloroform	< 0.54	ug/l	0.54	1.7	0.6	2		8260	srh	6/29/99
Chloromethane	< 1.5	ug/l	1.5	4.9	0.3	2		8260	srh	6/29/99
cis-1,2-Dichloroethene	< 0.4	ug/l	0.4	1.3	7	2		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.48	ug/l	0.48	1.5	0.02	2		8260	srh	6/29/99
Dibromochloromethane	< 0.42	ug/l	0.42	1.3	6	2		8260	srh	6/29/99
Dibromomethane	< 0.7	ug/l	0.7	2.2	ns	2		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.72	ug/l	0.72	2.3	200	2		8260	srh	6/29/99
Ethylbenzene	0.46	ug/l	0.32	1	140	2	J	8260	srh	6/29/99
Hexachlorobutadiene	< 0.44	ug/l	0.44	1.4	ns	2		8260	srh	6/29/99
Isopropyl Ether	< 0.64	ug/l	0.64	2	ns	2		8260	srh	6/29/99
Isopropylbenzene	< 0.32	ug/l	0.32	1	ns	2		8260	srh	6/29/99
m&p-xylene	2	ug/l	0.72	2.3	124	2	J	8260	srh	6/29/99
Methyl-t-butyl ether	121	ug/l	0.42	1.3	12	2		8260	srh	6/29/99
Methylene chloride	< 1.5	ug/l	1.5	4.8	0.5	2		8260	srh	6/29/99
n-Butylbenzene	< 0.46	ug/l	0.46	1.5	ns	2		8260	srh	6/29/99
n-Propylbenzene	< 0.5	ug/l	0.5	1.6	ns	2		8260	srh	6/29/99
Naphthalene	0.92	ug/l	0.92	2.9	8	2		8260	srh	6/29/99
o-xylene	< 0.36	ug/l	0.36	1.1	124	2		8260	srh	6/29/99
p-Isopropyltoluene	< 0.36	ug/l	0.36	1.1	ns	2		8260	srh	6/29/99
sec-Butylbenzene	< 0.6	ug/l	0.6	1.9	ns	2		8260	srh	6/29/99
Styrene	< 0.42	ug/l	0.42	1.3	10	2		8260	srh	6/29/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.4	ug/l	0.4	1.3	ns	2		8260	srh	6/29/99
Tetrachloroethene	< 0.58	ug/l	0.58	1.8	0.5	2		8260	srh	6/29/99
Toluene	< 0.66	ug/l	0.66	2.1	68.6	2		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	20	2		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.4	ug/l	0.4	1.3	0.02	2		8260	srh	6/29/99
Trichloroethene	< 0.32	ug/l	0.32	1	0.5	2		8260	srh	6/29/99
Trichlorofluoromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	srh	6/29/99
Vinyl chloride	< 0.42	ug/l	0.42	1.3	0.02	2		8260	srh	6/29/99

Sample Number: 15510 QC Prep Batch Number: 991265 *Sample analyzed within 11 Day(s) from collection.*
Client ID: MW-4 Sample Description: *Collection: 6/18/99 Time: 15:50*

1,1,1,2-Tetrachloroethane	< 20	ug/l	20	64	ns	100		8260	srh	6/29/99
1,1,1-Trichloroethane	< 23	ug/l	23	73	40	100		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 29	ug/l	29	92	0.02	100		8260	srh	6/29/99
1,1,2-Trichloroethane	< 29	ug/l	29	92	0.5	100		8260	srh	6/29/99
1,1-Dichloroethane	< 15	ug/l	15	48	85	100		8260	srh	6/29/99
1,1-Dichloroethene	< 36	ug/l	36	115	0.7	100		8260	srh	6/29/99
1,1-Dichloropropene	< 49	ug/l	49	156	ns	100		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 22	ug/l	22	70	ns	100		8260	srh	6/29/99
1,2,3-Trichloropropane	< 60	ug/l	60	191	ns	100		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 16	ug/l	16	51	14	100		8260	srh	6/29/99
1,2,4-Trimethylbenzene	2660	ug/l	29	92	ns	100		8260	srh	6/29/99
1,2-Dibromoethane	< 24	ug/l	24	76	0.005	100		8260	srh	6/29/99
1,2-Dichlorobenzene	< 20	ug/l	20	64	60	100		8260	srh	6/29/99
1,2-Dichloroethane	< 19	ug/l	19	60	0.5	100		8260	srh	6/29/99
1,2-Dichloropropane	< 23	ug/l	23	73	0.5	100		8260	srh	6/29/99
1,3,5-Trimethylbenzene	633	ug/l	23	73	ns	100		8260	srh	6/29/99
1,3-Dichlorobenzene	< 19	ug/l	19	60	125	100		8260	srh	6/29/99
1,3-Dichloropropane	< 21	ug/l	21	67	ns	100		8260	srh	6/29/99
1,4-Dichlorobenzene	< 15	ug/l	15	48	15	100		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 59	ug/l	59	188	0.02	100		8260	srh	6/29/99
2,2-Dichloropropane	< 40	ug/l	40	127	ns	100		8260	srh	6/29/99
2-Butanone (MEK)	< 138	ug/l	138	439	90	100		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 29	ug/l	29	92	ns	100		8260	srh	6/29/99
2-Chlorotoluene	< 15	ug/l	15	48	ns	100		8260	srh	6/29/99
4-Chlorotoluene	< 25	ug/l	25	80	ns	100		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 84	ug/l	84	267	50	100		8260	srh	6/29/99
Acetone	< 155	ug/l	155	493	200	100		8260	srh	6/29/99
Benzene	205	ug/l	19	60	0.5	100		8260	srh	6/29/99
Bromobenzene	< 19	ug/l	19	60	ns	100		8260	srh	6/29/99
Bromochloromethane	< 34	ug/l	34	108	ns	100		8260	srh	6/29/99
Bromodichloromethane	< 26	ug/l	26	83	0.06	100		8260	srh	6/29/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 47	ug/l	47	150	0.44	100		8260	srh	6/29/99
Bromomethane	< 21	ug/l	21	67	1	100		8260	srh	6/29/99
Carbon tetrachloride	< 22	ug/l	22	70	0.5	100		8260	srh	6/29/99
Chlorobenzene	< 20	ug/l	20	64	20	100		8260	srh	6/29/99
Chloroethane	< 116	ug/l	116	369	80	100		8260	srh	6/29/99
Chloroform	< 27	ug/l	27	86	0.6	100		8260	srh	6/29/99
Chloromethane	< 77	ug/l	77	245	0.3	100		8260	srh	6/29/99
cis-1,2-Dichloroethene	< 20	ug/l	20	64	7	100		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 24	ug/l	24	76	0.02	100		8260	srh	6/29/99
Dibromochloromethane	< 21	ug/l	21	67	6	100		8260	srh	6/29/99
Dibromomethane	< 35	ug/l	35	111	ns	100		8260	srh	6/29/99
Dichlorodifluoromethane	< 36	ug/l	36	115	200	100		8260	srh	6/29/99
Ethylbenzene	2680	ug/l	16	51	140	100		8260	srh	6/29/99
Hexachlorobutadiene	< 22	ug/l	22	70	ns	100		8260	srh	6/29/99
Isopropyl Ether	< 32	ug/l	32	102	ns	100		8260	srh	6/29/99
Isopropylbenzene	81	ug/l	16	51	ns	100		8260	srh	6/29/99
m&p-xylene	9070	ug/l	36	115	124	100		8260	srh	6/29/99
Methyl-t-butyl ether	< 21	ug/l	21	67	12	100		8260	srh	6/29/99
Methylene chloride	< 76	ug/l	76	242	0.5	100		8260	srh	6/29/99
n-Butylbenzene	< 23	ug/l	23	73	ns	100		8260	srh	6/29/99
n-Propylbenzene	228	ug/l	25	80	ns	100		8260	srh	6/29/99
Naphthalene	845	ug/l	46	146	8	100		8260	srh	6/29/99
o-xylene	265	ug/l	18	57	124	100		8260	srh	6/29/99
p-Isopropyltoluene	< 18	ug/l	18	57	ns	100		8260	srh	6/29/99
sec-Butylbenzene	< 30	ug/l	30	95	ns	100		8260	srh	6/29/99
Styrene	< 21	ug/l	21	67	10	100		8260	srh	6/29/99
tert-Butylbenzene	< 20	ug/l	20	64	ns	100		8260	srh	6/29/99
Tetrachloroethene	< 29	ug/l	29	92	0.5	100		8260	srh	6/29/99
Toluene	179	ug/l	33	105	68.6	100		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 16	ug/l	16	51	20	100		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 20	ug/l	20	64	0.02	100		8260	srh	6/29/99
Trichloroethene	< 16	ug/l	16	51	0.5	100		8260	srh	6/29/99
Trichlorofluoromethane	< 34	ug/l	34	108	ns	100		8260	srh	6/29/99
Vinyl chloride	< 21	ug/l	21	67	0.02	100		8260	srh	6/29/99

Sample Number: **15511** QC Prep Batch Number: 991265 *Sample analyzed within 11 Day(s) from collection.*
Client ID: **MW-5** Sample Description: *Collection: 6/18/99 Time: 16:10*

1,1,1,2-Tetrachloroethane	< 0.4	ug/l	0.4	1.3	ns	2		8260	srh	6/29/99
1,1,1-Trichloroethane	< 0.46	ug/l	0.46	1.5	40	2		8260	srh	6/29/99
1,1,2,2-Tetrachloroethane	< 0.58	ug/l	0.58	1.8	0.02	2		8260	srh	6/29/99
1,1,2-Trichloroethane	< 0.58	ug/l	0.58	1.8	0.5	2		8260	srh	6/29/99
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.95	85	2		8260	srh	6/29/99

APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.72	ug/l	0.72	2.3	0.7	2		8260	srh	6/29/99
1,1-Dichloropropene	< 0.98	ug/l	0.98	3.1	ns	2		8260	srh	6/29/99
1,2,3-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	ns	2		8260	srh	6/29/99
1,2,3-Trichloropropane	< 1.2	ug/l	1.2	3.8	ns	2		8260	srh	6/29/99
1,2,4-Trichlorobenzene	< 0.32	ug/l	0.32	1	14	2		8260	srh	6/29/99
1,2,4-Trimethylbenzene	99	ug/l	0.58	1.8	ns	2		8260	srh	6/29/99
1,2-Dibromoethane	< 0.48	ug/l	0.48	1.5	0.005	2		8260	srh	6/29/99
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.3	60	2		8260	srh	6/29/99
1,2-Dichloroethane	< 0.38	ug/l	0.38	1.2	0.5	2		8260	srh	6/29/99
1,2-Dichloropropane	< 0.46	ug/l	0.46	1.5	0.5	2		8260	srh	6/29/99
1,3,5-Trimethylbenzene	33	ug/l	0.46	1.5	ns	2		8260	srh	6/29/99
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.2	125	2		8260	srh	6/29/99
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	ns	2		8260	srh	6/29/99
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.95	15	2		8260	srh	6/29/99
12Dibromo-3-chloropropan	< 1.2	ug/l	1.2	3.8	0.02	2		8260	srh	6/29/99
2,2-Dichloropropane	< 0.8	ug/l	0.8	2.5	ns	2		8260	srh	6/29/99
2-Butanone (MEK)	< 2.8	ug/l	2.8	8.8	90	2		8260	srh	6/29/99
2-Chloroethyl Vinyl Ether	< 0.58	ug/l	0.58	1.8	ns	2		8260	srh	6/29/99
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	2		8260	srh	6/29/99
4-Chlorotoluene	< 0.5	ug/l	0.5	1.6	ns	2		8260	srh	6/29/99
4-Methyl-2-Pentanone	< 1.7	ug/l	1.7	5.3	50	2		8260	srh	6/29/99
Acetone	< 3.1	ug/l	3.1	9.9	200	2		8260	srh	6/29/99
Benzene	30	ug/l	0.38	1.2	0.5	2		8260	srh	6/29/99
Bromobenzene	< 0.38	ug/l	0.38	1.2	ns	2		8260	srh	6/29/99
Bromochloromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	srh	6/29/99
Bromodichloromethane	< 0.52	ug/l	0.52	1.7	0.06	2		8260	srh	6/29/99
Bromoform	< 0.94	ug/l	0.94	3	0.44	2		8260	srh	6/29/99
Bromomethane	< 0.42	ug/l	0.42	1.3	1	2		8260	srh	6/29/99
Carbon tetrachloride	< 0.44	ug/l	0.44	1.4	0.5	2		8260	srh	6/29/99
Chlorobenzene	< 0.4	ug/l	0.4	1.3	20	2		8260	srh	6/29/99
Chloroethane	< 2.3	ug/l	2.3	7.4	80	2		8260	srh	6/29/99
Chloroform	< 0.54	ug/l	0.54	1.7	0.6	2		8260	srh	6/29/99
Chloromethane	< 1.5	ug/l	1.5	4.9	0.3	2		8260	srh	6/29/99
cis-1,2-Dichloroethene	1.3	ug/l	0.4	1.3	7	2		8260	srh	6/29/99
cis-1,3-Dichloropropene	< 0.48	ug/l	0.48	1.5	0.02	2		8260	srh	6/29/99
Dibromochloromethane	< 0.42	ug/l	0.42	1.3	6	2		8260	srh	6/29/99
Dibromomethane	< 0.7	ug/l	0.7	2.2	ns	2		8260	srh	6/29/99
Dichlorodifluoromethane	< 0.72	ug/l	0.72	2.3	200	2		8260	srh	6/29/99
Ethylbenzene	54	ug/l	0.32	1	140	2		8260	srh	6/29/99
Hexachlorobutadiene	< 0.44	ug/l	0.44	1.4	ns	2		8260	srh	6/29/99
Isopropyl Ether	< 0.64	ug/l	0.64	2	ns	2		8260	srh	6/29/99
Isopropylbenzene	4.3	ug/l	0.32	1	ns	2		8260	srh	6/29/99
m&p-xylene	167	ug/l	0.72	2.3	124	2		8260	srh	6/29/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.42	ug/l	0.42	1.3	12	2		8260	srh	6/29/99
Methylene chloride	< 1.5	ug/l	1.5	4.8	0.5	2		8260	srh	6/29/99
n-Butylbenzene	< 0.46	ug/l	0.46	1.5	ns	2		8260	srh	6/29/99
n-Propylbenzene	12	ug/l	0.5	1.6	ns	2		8260	srh	6/29/99
Naphthalene	26	ug/l	0.92	2.9	8	2		8260	srh	6/29/99
o-xylene	10	ug/l	0.36	1.1	124	2		8260	srh	6/29/99
p-Isopropyltoluene	1.3	ug/l	0.36	1.1	ns	2		8260	srh	6/29/99
sec-Butylbenzene	1.9	ug/l	0.6	1.9	ns	2	J	8260	srh	6/29/99
Styrene	< 0.42	ug/l	0.42	1.3	10	2		8260	srh	6/29/99
tert-Butylbenzene	< 0.4	ug/l	0.4	1.3	ns	2		8260	srh	6/29/99
Tetrachloroethene	< 0.58	ug/l	0.58	1.8	0.5	2		8260	srh	6/29/99
Toluene	4	ug/l	0.66	2.1	68.6	2		8260	srh	6/29/99
trans-1,2-Dichloroethene	< 0.32	ug/l	0.32	1	20	2		8260	srh	6/29/99
trans-1,3-Dichloropropene	< 0.4	ug/l	0.4	1.3	0.02	2		8260	srh	6/29/99
Trichloroethene	< 0.32	ug/l	0.32	1	0.5	2		8260	srh	6/29/99
Trichlorofluoromethane	< 0.68	ug/l	0.68	2.2	ns	2		8260	srh	6/29/99
Vinyl chloride	< 0.42	ug/l	0.42	1.3	0.02	2		8260	srh	6/29/99

Sample Number: **15512** QC Prep Batch Number: 991265 *Sample analyzed within 6 Day(s) from collection.*
Client ID: **MW-7** Sample Description: *Collection: 6/18/99 Time: 16:30*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	1.4	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	2.6	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	0.44	ug/l	0.23	0.73	ns	1	J	8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	0.35	ug/l	0.19	0.6	0.5	1	J	8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/24/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	0.88	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	2.7	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	1.5	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 15513		QC Prep Batch Number: 991265				*Sample analyzed within* 6 *Day(s) from collection.*				
Client ID: MW-8	Sample Description:					*Collection:* 6/18/99		*Time:* 16:50		
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	srh	6/24/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	srh	6/24/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	srh	6/24/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	srh	6/24/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	srh	6/24/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	srh	6/24/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	srh	6/24/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	srh	6/24/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	srh	6/24/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	srh	6/24/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	srh	6/24/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	srh	6/24/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	srh	6/24/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	srh	6/24/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	srh	6/24/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	srh	6/24/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	srh	6/24/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	srh	6/24/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	srh	6/24/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	srh	6/24/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	srh	6/24/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	srh	6/24/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	srh	6/24/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	srh	6/24/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	srh	6/24/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	srh	6/24/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	srh	6/24/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	srh	6/24/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	srh	6/24/99
Chloromethane	65	ug/l	0.77	2.4	0.3	1		8260	srh	6/24/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	srh	6/24/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990475
DATE REPORTED: 02-Jul-99
DATE RECEIVED: 21-Jun-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D M Motoors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	srh	6/24/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	srh	6/24/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	srh	6/24/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	srh	6/24/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	srh	6/24/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	srh	6/24/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	srh	6/24/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	srh	6/24/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	srh	6/24/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	srh	6/24/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	srh	6/24/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	srh	6/24/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	srh	6/24/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	srh	6/24/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	srh	6/24/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	srh	6/24/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	srh	6/24/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	srh	6/24/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	srh	6/24/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	srh	6/24/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	srh	6/24/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	srh	6/24/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	srh	6/24/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	srh	6/24/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	srh	6/24/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	srh	6/24/99

Approved By: _____ **Date:** 7/13/99
James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

GG0475

APL Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: D & M Motors

Project ID: 6001

Project Manager: M Dorow
Company: International Env. Corp
Address: 12714 W. Hampton Ave
City/State/Zip Butler WI 53007
Phone: 414 790 0965 **Fax:** 414 790 0967

Samples received "On Ice" | Temperature: ___C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

100 Preservation / Filtration Code

	Test Required	Matrix																	Preservation / Filtration Code
01	VOC	GW	X	X	X	X	X	X											A
02	GRO			X	X	X	X	X											A
03	DRO			X	X	X	X	X											A
04	Pb			X	X	X	X	X											F B
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15	Number of Vial/Containers		1	5	5	5	4	5											
	Collection Time			3:25	3:50	4:10	4:30	4:50											
	Collection Date			6-18-99															
	Sample ID		TRIP BLANK	MW-1	MW-4	MW-5	MW-7	MW-8											
	Lab ID		15508	15505	15510	15511	15512	15513											
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

COC#

Additional Information:

Relinquished By:	Date/Time	Received By:
Mark E Dorow	6-21-99 12:50	Rick Cassel

Special Instructions:
MW-4 & MW-5 STRONG ODOR

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990679
DATE REPORTED: 13-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 16390										
Client ID: **MW-9**								Collection: 8/31/99		Time: 12:45
								Sample Description:		
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	9/10/99	*991944*	
Nova Sample Number: 16391										
Client ID: **MW-10**								Collection: 8/31/99		Time: 13:15
								Sample Description:		
Lead - Furnace AA	<1.4	ug/l	RJ	1.4	4.5	239.2	dmd/rf	9/10/99	*991944*	

Approved By: _____ **Date:** 9/13/99
James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 08-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 16390	QC Prep Batch Number: 991925						Collection: 8/31/99		Time: 12:45
Client ID: MW-9							Sample Description:		
Diesel Range Organics	138	ug/l	18	59	1		WI DRO	qh	9/7/99 / 9/8/99
Sample Number: 16391	QC Prep Batch Number: 991925						Collection: 8/31/99		Time: 13:15
Client ID: MW-10							Sample Description:		
Diesel Range Organics	72	ug/l	18	59	1		WI DRO	qh	9/7/99 / 9/8/99

Approved By: _____ **Date:** 9/10/99

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 07-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 16389	QC Prep Batch Number:		991908				Collection: 8/31/99		Time:
Client ID: Trip Blank							Sample Description:		
Gas Range Organics	< 14	**ug/l**	14	45	1		WI GRO	tlg	/ 9/3/99
Sample Number: 16390	QC Prep Batch Number:		991908				Collection: 8/31/99		Time: 12:45
Client ID: MW-9							Sample Description:		
Gas Range Organics	< 14	**ug/l**	14	45	1		WI GRO	tlg	/ 9/3/99
Sample Number: 16391	QC Prep Batch Number:		991908				Collection: 8/31/99		Time: 13:15
Client ID: MW-10							Sample Description:		
Gas Range Organics	164	**ug/l**	14	45	1		WI GRO	tlg	/ 9/3/99

Approved By: _____ **Date:** 9/8/99
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 03-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: 16389			QC Prep Batch Number:	991902			*Sample analyzed within*	2	*Day(s) from collection.*	
Client ID: Trip Blank	Sample Description:						*Collection:*	8/31/99	*Time:*	
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	9/2/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	9/2/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	9/2/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	9/2/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	9/2/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	9/2/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	9/2/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/2/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	9/2/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	9/2/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	9/2/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	9/2/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	9/2/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	9/2/99
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	9/2/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	9/2/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	9/2/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	9/2/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	9/2/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	9/2/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	9/2/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/2/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	9/2/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	9/2/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	9/2/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	9/2/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/2/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	9/2/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	9/2/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/2/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	9/2/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	9/2/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	9/2/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	9/2/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	9/2/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	9/2/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	9/2/99
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	9/2/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	9/2/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	9/2/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 03-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	9/2/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	9/2/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	9/2/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	9/2/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/2/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	9/2/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	9/2/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	9/2/99
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	9/2/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	9/2/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	9/2/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	9/2/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	9/2/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	9/2/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	9/2/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/2/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	9/2/99
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	9/2/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	9/2/99
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	9/2/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	9/2/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/2/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	9/2/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/2/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	9/2/99

Sample Number: 16390 QC Prep Batch Number: 991902 *Sample analyzed within 2 Day(s) from collection.*
Client ID: MW-9 Sample Description: *Collection: 8/31/99 Time: 12:45*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	9/2/99
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	9/2/99
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	9/2/99
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	9/2/99
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	9/2/99
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	9/2/99
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	9/2/99
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/2/99
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	9/2/99
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	9/2/99
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	9/2/99
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	9/2/99
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	9/2/99
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	9/2/99

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 03-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	9/2/99
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	9/2/99
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	9/2/99
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	9/2/99
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	9/2/99
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	9/2/99
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	9/2/99
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/2/99
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	9/2/99
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	9/2/99
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	9/2/99
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	9/2/99
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/2/99
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	9/2/99
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	9/2/99
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/2/99
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	9/2/99
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	9/2/99
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	9/2/99
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	9/2/99
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	9/2/99
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	9/2/99
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	9/2/99
Chloromethane	5	ug/l	0.77	2.4	0.3	1		8260	cps	9/2/99
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	9/2/99
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	9/2/99
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	9/2/99
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	9/2/99
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	9/2/99
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	9/2/99
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/2/99
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	9/2/99
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	9/2/99
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	9/2/99
Methyl-t-butyl ether	0.88	ug/l	0.21	0.67	12	1		8260	cps	9/2/99
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	9/2/99
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	9/2/99
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	9/2/99
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	9/2/99
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	9/2/99
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	9/2/99
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/2/99
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	9/2/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3090

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 03-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	9/2/99
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	9/2/99
Toluene	0.51	ug/l	0.33	1	68.6	1	J	8260	cps	9/2/99
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	9/2/99
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/2/99
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	9/2/99
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/2/99
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	9/2/99

Sample Number: 16391 QC Prep Batch Number: 991902 *Sample analyzed within 2 Day(s) from collection.*
Client ID: MW-10 Sample Description: *Collection: 8/31/99 Time: 13:15*

1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	9/2/99
1,1,1-Trichloroethane	< 2.3	ug/l	2.3	7.3	40	10		8260	cps	9/2/99
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	9/2/99
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	9/2/99
1,1-Dichloroethane	< 1.5	ug/l	1.5	4.8	85	10		8260	cps	9/2/99
1,1-Dichloroethene	< 3.6	ug/l	3.6	11	0.7	10		8260	cps	9/2/99
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	9/2/99
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	9/2/99
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	9/2/99
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	9/2/99
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	9/2/99
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	9/2/99
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	9/2/99
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	9/2/99
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	9/2/99
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	9/2/99
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	9/2/99
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	9/2/99
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	9/2/99
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	9/2/99
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	9/2/99
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	9/2/99
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	9/2/99
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	9/2/99
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	9/2/99
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	9/2/99
Acetone	< 16	ug/l	16	49	200	10		8260	cps	9/2/99
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	9/2/99
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	9/2/99
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	9/2/99
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	9/2/99

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990679
DATE REPORTED: 03-Sep-99
DATE RECEIVED: 01-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	9/2/99
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	9/2/99
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	9/2/99
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	9/2/99
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	9/2/99
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	9/2/99
Chloromethane	8.7	ug/l	7.7	24	0.3	10	J	8260	cps	9/2/99
cis-1,2-Dichloroethene	< 2	ug/l	2	6.4	7	10		8260	cps	9/2/99
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	9/2/99
Dibromochloromethane	< 2.1	ug/l	2.1	6.7	6	10		8260	cps	9/2/99
Dibromomethane	< 3.5	ug/l	3.5	11	ns	10		8260	cps	9/2/99
Dichlorodifluoromethane	< 3.6	ug/l	3.6	11	200	10		8260	cps	9/2/99
Ethylbenzene	< 1.6	ug/l	1.6	5.1	140	10		8260	cps	9/2/99
Hexachlorobutadiene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	9/2/99
Isopropyl Ether	< 3.2	ug/l	3.2	10	ns	10		8260	cps	9/2/99
Isopropylbenzene	< 1.6	ug/l	1.6	5.1	ns	10		8260	cps	9/2/99
m&p-xylene	< 3.6	ug/l	3.6	11	124	10		8260	cps	9/2/99
Methyl-t-butyl ether	437	ug/l	2.1	6.7	12	10		8260	cps	9/2/99
Methylene chloride	< 7.6	ug/l	7.6	24	0.5	10		8260	cps	9/2/99
n-Butylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	9/2/99
n-Propylbenzene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	9/2/99
Naphthalene	< 4.6	ug/l	4.6	15	8	10		8260	cps	9/2/99
o-xylene	< 1.8	ug/l	1.8	5.7	124	10		8260	cps	9/2/99
p-Isopropyltoluene	< 1.8	ug/l	1.8	5.7	ns	10		8260	cps	9/2/99
sec-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	9/2/99
Styrene	< 2.1	ug/l	2.1	6.7	10	10		8260	cps	9/2/99
tert-Butylbenzene	< 2	ug/l	2	6.4	ns	10		8260	cps	9/2/99
Tetrachloroethene	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	9/2/99
Toluene	< 3.3	ug/l	3.3	10	68.6	10		8260	cps	9/2/99
trans-1,2-Dichloroethene	< 1.6	ug/l	1.6	5.1	20	10		8260	cps	9/2/99
trans-1,3-Dichloropropene	< 2	ug/l	2	6.4	0.02	10		8260	cps	9/2/99
Trichloroethene	< 1.6	ug/l	1.6	5.1	0.5	10		8260	cps	9/2/99
Trichlorofluoromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	9/2/99
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	9/2/99

APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	990679
DATE REPORTED:	03-Sep-99
DATE RECEIVED:	01-Sep-99
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	6001
PROJECT NAME:	D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ Date: 9/10/99
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL Environmental

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Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: D & M Motors

Project ID: 6001

Project Manager:	Mark Dorow
Company:	International Env. Cor
Address:	12714 W. HAMPTON AVE
City/State/Zip	BUTLER WI 53007
Phone:	414 790-0965
Fax:	414 790-09

Samples received "On Ice" | Temperature: ___C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

Preservation / Filtration Cod

	Test Required	Matrix																		Preservation / Filtration Cod
01	VOC (8260)	GW	H2O	X	X	X														A
02	GRO (WDNR)	GW	H2O	X	X	X														A
03	DRO (WDNR)	GW	H2O		X	X														A
04	LEAD (7421)	GW			X	X														B F
05																				
06																				
07																				
08																				
09																				
10																				
11																				
12																				
13																				
14																				
15																				

Additional Information:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Collection Time		12:45	13:15														
Collection Date		8-31-99	8-31-99														
Sample ID	TRIP BLANK	MW-9	MW-10														
Lab ID	16389	16390	16391														

COC 990479

Relinquished By:	Date/Time	Received By:
Mark Dorow	8/31/99 4:58PM	Tina Grosshans

Special Instructions:

APPENDIX E

Groundwater Natural Attenuation Evaluation
Laboratory Analytical Results
And
Chain of Custody Documentation

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990704
DATE REPORTED: 22-Sep-99
DATE RECEIVED: 09-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 16507	QC Prep Batch Number: 992066						Collection: 9/8/99		Time: 17:30
Client ID: MW-4							Sample Description:		
Total Organic Carbon	15	mg/l	0.21	0.67	1		9060	241293690	/ 9/20/99
Sample Number: 16508	QC Prep Batch Number: 992066						Collection: 9/8/99		Time: 17:15
Client ID: MW-5							Sample Description:		
Total Organic Carbon	12	mg/l	0.21	0.67	1		9060	241293690	/ 9/20/99
Sample Number: 16509	QC Prep Batch Number: 992066						Collection: 9/8/99		Time: 17:45
Client ID: MW-7							Sample Description:		
Total Organic Carbon	1.8	mg/l	0.21	0.67	1		9060	241293690	/ 9/20/99

Approved By: _____ **Date:** 9/22/99
James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 990704
DATE REPORTED: 21-Sep-99
DATE RECEIVED: 09-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 16506	QC Prep Batch Number: 992049						Collection: 9/8/99		Time: 17:30
Client ID: Trip Blank							Sample Description:		
Methane	0.63	**ug/l**	0.50	1.6	1	J	ECCS-1	445027660	/ 9/14/99
Sample Number: 16507	QC Prep Batch Number: 992049						Collection: 9/8/99		Time: 17:30
Client ID: MW-4							Sample Description:		
Methane	1100	**ug/l**	5.0	16	10		ECCS-1	445027660	/ 9/14/99
Sample Number: 16508	QC Prep Batch Number: 992049						Collection: 9/8/99		Time: 17:15
Client ID: MW-5							Sample Description:		
Methane	1600	**ug/l**	5.0	16	10		ECCS-1	445027660	/ 9/14/99
Sample Number: 16509	QC Prep Batch Number: 992049						Collection: 9/8/99		Time: 17:45
Client ID: MW-7							Sample Description:		
Methane	140	**ug/l**	0.50	1.6	1		ECCS-1	445027660	/ 9/14/99

Approved By: _____ **Date:** 9/22/99
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990704
DATE REPORTED: 29-Sep-99
DATE RECEIVED: 09-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 16507										
Client ID: **MW-4**							Collection: 9/8/99		Time: 17:30	
							Sample Description:			
Iron - ICAP	**0.41**	**mg/l**	**RJ**	0.078	0.25	200.7	dmd/rf	9/14/99	*991974*	
Manganese - ICAP	**1.8**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd/rf	9/14/99	*991974*	
Alkalinity, Total	**500**	**mg/l**	#			310.1	rf	9/15/99	*991993*	
BOD5 Total	**12**	**mg/l**		3	9.5	SM 5210	80535	9/10/99	*992023*	
Heterotropic Plate Count	**18**	**/mL**	#			9215B	12493	9/9/99	*991952*	
Kjeldahl Nitrogen, Total	**1.5**	**mg/l**		0.21	0.67	351.4	80535	9/17/99	*992025*	
Nitrate Nitrogen	**<0.04**	**mg/l**		0.04	0.13	353.3	srh	9/9/99	*991977*	
Nitrogen, Ammonia	**<0.10**	**mg/l**		0.1	0.32	350.1	80535	9/16/99	*992024*	
Phosphorus, Total	**0.25**	**mg/l**	*J*	0.1	0.32	365.2	80535	9/17/99	*992026*	
Sulfate	**<10**	**mg/l**		10	32	375.4	srh	9/15/99	*991987*	
Nova Sample Number: 16508										
Client ID: **MW-5**							Collection: 9/8/99		Time: 17:15	
							Sample Description:			
Iron - ICAP	**3.4**	**mg/l**	**RJ**	0.078	0.25	200.7	dmd/rf	9/14/99	*991974*	
Manganese - ICAP	**0.17**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd/rf	9/14/99	*991974*	
Alkalinity, Total	**536**	**mg/l**	#			310.1	rf	9/15/99	*991993*	
BOD5 Total	**<18**	**mg/l**		3	9.5	SM 5210	80535	9/10/99	*992023*	
Heterotropic Plate Count	**13**	**/mL**	#			9215B	12493	9/9/99	*991952*	
Kjeldahl Nitrogen, Total	**1.3**	**mg/l**		0.21	0.67	351.4	80535	9/17/99	*992025*	
Nitrate Nitrogen	**0.17**	**mg/l**		0.04	0.13	353.3	srh	9/9/99	*991977*	
Nitrogen, Ammonia	**<0.10**	**mg/l**		0.1	0.32	350.1	80535	9/16/99	*992024*	
Phosphorus, Total	**0.33**	**mg/l**		0.1	0.32	365.2	80535	9/17/99	*992026*	
Sulfate	**<10**	**mg/l**		10	32	375.4	srh	9/15/99	*991987*	
Nova Sample Number: 16509										
Client ID: **MW-7**							Collection: 9/8/99		Time: 17:45	
							Sample Description:			
Iron - ICAP	**0.27**	**mg/l**	**RJ**	0.078	0.25	200.7	dmd/rf	9/14/99	*991974*	
Manganese - ICAP	**0.42**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd/rf	9/14/99	*991974*	
Alkalinity, Total	**588**	**mg/l**	#			310.1	rf	9/15/99	*991993*	
BOD5 Total	**<8.8**	**mg/l**		3	9.5	SM 5210	80535	9/10/99	*992023*	
Heterotropic Plate Count	**25**	**/mL**	#			9215B	12493	9/9/99	*991952*	
Kjeldahl Nitrogen, Total	**0.47**	**mg/l**	*J*	0.21	0.67	351.4	80535	9/17/99	*992025*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 990704
DATE REPORTED: 29-Sep-99
DATE RECEIVED: 09-Sep-99
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 6001
PROJECT NAME: D & M Motors

Mark Dorow
International Environmental Corporation
12714 W. Hampton Ave.
Butler , WI 53007

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nitrate Nitrogen	**<0.04**	**mg/l**		0.04	0.13	353.3	srh	9/9/99	*991977*	
Nitrogen, Ammonia	**<0.10**	**mg/l**		0.1	0.32	350.1	80535	9/16/99	*992024*	
Phosphorus, Total	**0.32**	**mg/l**		0.1	0.32	365.2	80535	9/17/99	*992026*	
Sulfate	**10**	**mg/l**	*J*	10	32	375.4	srh	9/15/99	*991987*	

Approved By: _____ **Date:** 9/29/99
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

A&L Environmental

8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Project Name: D & M. Motors

Project ID: 6001

Project Manager:	Mark E. Doron
Company:	International Env. Corp.
Address:	12714 W. Hampton Ave
City/State/Zip	Butler WI 53007
Phone:	414 7900965
Fax:	414 7800965

Samples received "On Ice" | Temperature: ____C | Sample intact/not leaking

A. HCl E. Methanol
B. HNO3 F. Filtered
C. NaOH G. None
D. H2SO4 H. Others

100

	Test Required	Matrix																Preservation / Filtration Code
1	BOD TOTAL 5210B	GW		X	X	X												G
2	Nitrogen, Nitrate 352.2	GW		X	X	X												G
3	TKN 351.2			X	X	X												G
4	Sulfate, total 375.2			X	X	X												D
5	Ammonia Nitrogen			X	X	X												F
6	Iron 236.1			X	X	X												BF
7	Manganese			X	X	X												BF
8	Alkalinity 310.1			X	X	X												G
9	Methane RSK SOP 175		X	X	X	X												A
10	Phosphorus total 365.1			X	X	X												G
11	T.O.C. SW846/9060			X	X	X												D
12	Heterotrophic Bact. SM907			X	X	X												G
13		N1																
14																		
15																		

Additional Information:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Collection Time		5:30P	5:15P	5:45P													
Collection Date		9-8-99	→	→													
Sample ID	TRIP BLANK	MW-4	MW-5	MW-7													
Lab ID	165506	165507	165508	165509													

COC# 99104

Relinquished By:	Date/Time	Received By:
[signature]	11:25 9/9/99	[signature]

Special Instructions: