Worldwide Facilities Group
Remediation Team

MC 483-520-190
2000 Centerpoint Parkway
Pontiac, Michigan 48341

January 28, 2005

Mr. Dan Patulski
Project Manager
United States Environmental Protection Agency
Region V, Mail Code: DW-8J
77 West Jackson Boulevard
Chicago, IL 60604-3590

Re: Amendment to Interim Measures Work Plan for AOI 31 Groundwater
(Former Fire Training Area), General Motors Corporation
13000 Eckles Road Site, Livonia, Michigan

Dear Mr. Patulski:

Please find attached a copy of the above captioned report for your review.

GM is proposing an interim measure in AOI 31 to address trichloroethylene concentrations in groundwater by in situ chemical oxidation using potassium permanganate. Based on the results of the pilot study, GM has determined to proceed with the full-scale interim measure for AOI 31 groundwater.

Should you have any questions on the above, please do not hesitate to contact the undersigned.

Yours truly,

Cliff Lewis

Cliff Lewis
Project Manager

MRT/pw/17075/1
Encl.

c.c.: Jean Caufield, GM
James Reid, CRA
Ian Richardson, CRA
Richard Conforti, MDEQ

January 28, 2005

AMENDMENT TO INTERIM MEASURES WORK PLAN FOR AOI 31 GROUNDWATER (FORMER FIRE TRAINING AREA)

13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

U.S. EPA NO. MID 005 356 621

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Prepared by:
Conestoga-Rovers & Associates

651 Colby Drive
Waterloo, Ontario
Canada N2V 1C2

Office: (519) 884-0510
Fax: (519) 884-0525

web: http:\\www.CRAworld.com

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LIST OF ACRONYMS AND TERMS

AOI	Area of Interest
bgs	below ground surface
CCR	Current Conditions Report
cm/sec	centimeters per second
CRA	Conestoga-Rovers & Associates
DO	Dissolved Oxygen
DWSD	Detroit Water and Sewerage Department
feet/yr	feet/year
GM	General Motors Corporation
gpm	gallons per minute
$KMnO_4$	Potassium Permanganate
mg/L	milligrams per liter
ml	milliliter
NOD	natural oxidation demand
ORP	Oxygen reduction potential
PCB	polychlorinated biphenyls
pcf	pounds per cubic foot
ppm	parts per million
PRB	Permeable Reactive Barrier
RCRA	Resource Conservation and Recovery Act
REALM	Remediation and Liability Management Company, Inc. (A Subsidiary of GM)
RFI	RCRA Facility Investigation
TCE	trichloroethylene
TDS	total dissolved solids
TSCA	Toxic Substance Control Act
TSS	total suspended solids
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This report presents the Amendment to the Interim Measures Work Plan (Work Plan) submitted to U.S. EPA on March 3, 2004 for groundwater at Area of Interest (AOI) 31 at the former General Motors Corporation (GM) Facility at 13000 Eckles Road in Livonia, Michigan (Site). This amendment presents all of the information from the previously submitted Interim Measure Work Plan as well as the results from the field pilot test and details for the proposed full-scale on-Site interim measure. AOI 31 is located along the north side of Amrhein Road at the southeastern corner of the former GM Facility (see Figures 1.1 and 1.2). The Site was historically used for the production of vehicle bumpers, leaf springs and strut assemblies, with AOI 31 being used as a former fire training area. Environmental decommissioning and demolition of the entire Site occurred during the 2000 to 2001 period. Environmental activities at the Site are being conducted by Conestoga-Rovers & Associates (CRA) under the direction of Remediation and Liability Management Company, Inc. (REALM), an environmental subsidiary of GM.

1.1 SCOPE OF INTERIM MEASURES WORK PLAN

GM has substantially completed a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the Site. As part of this RFI, AOI 31 was investigated. This investigation resulted in the identification of a trichloroethylene (TCE) plume apparently beginning in AOI 31 and extending off Site.

CRA was retained by REALM to conduct laboratory and field treatability studies to determine the feasibility of in-situ remedial technologies, such as chemical oxidation, to reduce TCE concentrations in the groundwater source area in AOI 31.

This Work Plan presents the results of the treatability studies and field pilot studies and the details for the proposed in-situ chemical oxidation interim measure to address TCE groundwater contamination in this area.

TCE-impacted soil has been addressed by excavation in conjunction with the excavation and off-Site disposal of soil impacted by polychlorinated biphenyls (PCBs) in this area. Approximately 365 tons of PCB-impacted soil was excavated in 1998 and disposed of off Site. This area was believed to be the source area for the PCB-impacted soil and the TCE-impacted groundwater identified at AOI 31. Based on soil samples collected during the RFI activities at AOI 31, approximately 650 additional tons of PCB and

TCE-impacted soil was excavated in 2003 under the Toxic Substances Control Act (TSCA). Soil removal activities are detailed below.

Based on due diligence activities conducted between 1996 and 1998, PCB-impacted soils were identified at AOI 31. Low levels of TCE were also detected in soil samples. Approximately 365 tons of PCB-impacted soil were excavated and disposed of off-Site in 1998. The excavation was subsequently backfilled and compacted.

During the RFI, the limits of the 1998 excavation were confirmed with test trenches and soil samples were collected from soil borings to confirm that all PCB-impacted soils were removed. PCB-impacted soils were identified west of the 1998 excavation and delineated during the RFI-AOI 31 activities. Low levels of TCE were also identified in soil samples but at concentrations below screening criteria described in the CCR and RFI Report. The PCB and TCE-impacted soils were excavated in 2003 as described below.

A PCB Investigation Summary and Self Implementing Cleanup Plan, submitted to the United States Environmental Protection Agency (U.S. EPA) on July 2, 2003, addressed PCB-impacted soils contained within AOI 31. PCB-impacted soil was excavated during three separate stages, August 20 and 21, 2003; November 3 through 7, 2003; and December 10 through 12, 2003. In addition, TCE-impacted soils were removed during the August 2003 excavation activities. Soil was excavated in a grid fashion to depths up to 14 feet below ground surface (feet bgs). Approximately 285 tons of non-hazardous soil with PCBs less than 50 parts per million (ppm) were excavated and approximately 55 tons of soil with PCBs greater than 50 ppm were excavated and shipped off Site for disposal. Based on analytical results for confirmatory samples, all soils containing PCBs greater than 1 ppm have been removed from this area.

The Work Plan objective is to reduce groundwater concentrations of TCE migrating from this area to below Michigan Act 451, Part 201 generic criteria. It should be noted, however, that although RFI data and risk-based evaluations demonstrate that groundwater concentrations already meet levels that are protective of current and reasonably anticipated future exposures (since there are no current or reasonably anticipated drinking water exposures in the areas of affected groundwater), significant mass reduction of TCE will be achieved even if applicable Part 201 generic criteria cannot be met.

1.2 INTERIM MEASURES WORK PLAN ORGANIZATION

This Work Plan is organized as follows:

Section 1.0 Introduction

This section presents an introduction to, and organization of, the Work Plan.

Section 2.0 Description of AOI 31

This section describes AOI 31, which is located at the southeastern corner of the Site, on the northern side of Amrhein Road. Information includes historical operations in this area that may have impacted soil and groundwater and the results of investigations completed to delineate the extent of impact.

Section 3.0 Interim Measures Technologies

This section discusses the treatment technology, in-situ chemical oxidation, which has been selected for the remediation of TCE contamination in groundwater at AOI 31. Advantages and limitations of in-situ chemical oxidation are also discussed.

Section 4.0 Laboratory Treatability Study Results

This section presents the results of the laboratory treatability study that was performed and presents conclusions regarding the effectiveness of chemical oxidation and design considerations to remediate TCE contamination in groundwater in AOI 31.

Section 5.0 Field Pilot Test Results

This section presents the results of the field pilot test that was performed and presents conclusions regarding the effectiveness of chemical oxidation to remediate TCE contamination in groundwater in AOI 31.

Section 6.0 Proposed Interim Measure

This section discusses in detail the proposed interim measure of in-situ chemical oxidation.

Section 7.0 Schedule

This section presents the proposed interim measures implementation schedule.

Section 8.0 References

This section presents the references used to develop this report.

2.0 DESCRIPTION OF AOI 31

2.1 HISTORICAL OPERATIONS

The following section describes historical actions that occurred in AOI 31.

AOI 31 – FORMER FIRE TRAINING AREA

The former fire training area is located on the southeast corner of the Site and consisted of an aluminum building constructed on the foundation of a former farmhouse. Metal pans containing oils, solvents, and fuels were set on fire and fire response training was conducted. These activities potentially contributed to contamination of the soil with TCE and PCBs and the groundwater with TCE.

The aluminum building no longer exists at the Site; however, the foundations remain.

2.2 RCRA CORRECTIVE ACTION ACTIVITIES

2.2.1 SOIL INVESTIGATIONS AND REMOVAL

Extensive soil investigations have been completed in AOI 31 as part of the RFI sampling program. Soil sample locations and TCE and PCB data are presented on Figures 2.1 and 2.2, and analytical results are presented in Table 2.1. Vadose zone soils impacted by PCBs and TCE have been delineated in AOI 31.

A PCB Investigation Summary and Self Implementing Cleanup Plan was developed and submitted to the U.S. EPA on July 2, 2003. The Cleanup Plan identified the extents of PCB impacted soils identified during Stages I through IV of the RFI - AOI 31 activities. Complete analytical results and soil sampling locations are presented in the RFI - AOI 31 Stages I, II, III, and IV Data Package submitted to the U.S. EPA on July 2, 2003.

PCB-impacted soil was excavated during three separate stages, August 20 and 21, 2003; November 3 through 7, 2003; and December 10 through 12, 2003. In addition, TCE-impacted soils were removed during the August 2003 excavation activities. Soil was excavated in a grid fashion to depths up to 14 feet bgs. Approximately 285 tons of non-hazardous soil with PCBs less than 50 ppm were excavated and approximately 55 tons of soil with PCBs greater than 50 ppm were excavated and shipped off Site for disposal. Based on analytical results for confirmatory samples, all soils containing PCBs greater than 1 ppm have been removed from this area. Figures 2.1 and 2.2 identify the

soil sample locations excavated. Figure 2.3 illustrates the approximate depths and extents of the excavation.

2.2.2 GROUNDWATER INVESTIGATIONS

Extensive groundwater quality investigations have been completed in AOI 31 and in the adjacent off-Site area to the southeast as part of the RFI sampling program. Groundwater sample locations and TCE data are presented on Figure 2.4, and analytical results are summarized in Table 2.2.

2.3 SITE GEOLOGY AND HYDROGEOLOGY

2.3.1 GEOLOGY

Numerous soil borings and monitoring wells have been completed at the Site. A summary of historical soil borings and monitoring wells are presented in Revision 2 of the Current Condition Report (CCR) and in the Data Packages submitted for the general RFI and the RFI-AOI 31. Geologic data from these soil borings and monitoring wells were used to determine the Site overburden geology and hydrogeology.

The surficial glacial deposits in the vicinity of AOI 31 generally consist of a fine to medium grained sand of approximately 30 to 33 feet in thickness underlain by a continuous clay layer. The sand unit is typically poorly graded and interbedded with lenses of coarse sand and gravel. The clay layer underlying the glacial sand deposit is approximately 50 feet thick and is a laterally extensive unit that is present beneath the entire Site and throughout the area. The clay is underlain by interbedded gravel, boulders, sands, and clays to approximately 145 feet bgs, the top of the Antrim Shale bedrock. The bedrock is comprised of hard, dark gray to black or brown, pyritiferous shale that contains abundant silt, making it a confining layer. The shale is generally too impermeable to be an aquifer and the abundance of pyrite affects its water quality for use as a potable water supply.

2.3.2 HYDROGEOLOGY

Groundwater was identified beneath AOI 31 at a depth of approximately 12 to 17 feet bgs, within the fine to medium grained sand. Based on current and historical groundwater contour maps, the groundwater flow direction is to the southeast. Shallow

and deep groundwater contour maps from March 2004 are included as Figures 2.5 and 2.6, respectively. Groundwater investigations indicate shallow groundwater at the Site has an approximate saturation thickness of 15 to 20 feet. Groundwater from this surficial aquifer is not used as a drinking water supply on Site.

Monitoring wells in AOI 31 have been installed at the water table (shallow or S wells) and at the bottom of the upper watering unit (deep or D wells). Typically the shallow wells are screened from approximately 5 to 15 feet bgs and the deep wells are typically screened from approximately 20 to 30 feet bgs. Based on the sampling, the TCE identified in AOI 31 appears to only be predominantly in the shallow zone except for one select location (MW-302S/D). In this location it is still reported at higher concentrations in the shallow zone.

Geotechnical analysis was performed on numerous soil samples throughout the Eckles Road Site. Average values of porosity, bulk density, and fraction of organic carbon, for the AOI 31 saturated soils (fine and medium grained sands within the aquifer) were calculated utilizing the results from geotechnical testing of nine saturated soil samples collected from wells within AOI 31, and the adjacent residential neighborhood to the southeast. Based on the geotechnical analysis, average values of porosity, bulk density, and fraction of organic carbon, for soils within the saturated zone (aquifer) are as follows:

Porosity	33 percent
Bulk density	126.2 pounds per cubic foot (pcf)
Fraction organic carbon	0.066 percent

Based on the analysis of 19 slug tests performed on shallow wells within AOI 31 and the adjacent residential neighborhood to the southeast, the calculated hydraulic conductivity ranges from 1.8×10^{-2} centimeters per second (cm/sec) to 8.5×10^{-2} cm/sec. The porosity value was determined by utilizing the results from geotechnical testing of nine saturated soil samples collected from wells within AOI 31 and the adjacent residential neighborhood to the southeast. Based on the geotechnical analysis, the porosity of the sand material is estimated to be 0.33. The hydraulic gradient was calculated for three events between June 2002 and January 2003 and varied from 0.0048 to 0.0054 and averaged 0.0051 over this time period. Based on Site-specific hydraulic conductivity, porosity, and hydraulic gradient, the groundwater flow velocity between June 2002 and January 2003 varies from 267.5 feet/year (feet/yr) to 301 feet/yr.

Laboratory permeability tests performed on four soil samples as part of the RFI indicate that the permeability of the continuous clay beneath the Site is 1.55×10^{-8} cm/sec. Based

on information obtained from the RFI, the clay aquitard represents a significant barrier to vertical migration of groundwater.

2.4 HYDROLOGY

No surface water bodies exist at the Site. The nearest surface water bodies are Newburgh Lake located approximately 1/4 mile south of the Site, and the Middle River Rouge located approximately 1/4 mile southwest of the Site. In addition, Gunn Branch Creek is located on the adjacent property to the north of the Site (beyond the Chesapeake and Ohio Railroad tracks).

2.5 GROUNDWATER USE

The Detroit Water and Sewerage Department (DWSD) provides the potable water supply for the Site and surrounding areas from the Springwells Plant located in Dearborn, Michigan. The water source for the Springwells Plant is the Detroit River. The shallow groundwater at the Site is not used as a potable water supply. Current and historical uses of shallow groundwater in the residential area southeast of the Site has been thoroughly evaluated. There are no known users of shallow groundwater for drinking water purposes. Four existing well pipes in the area have been identified. None are being used for potable purposes and only one of them is being used for non-potable purposes (and it is outside of the plume boundary to the southeast).

Based on documents reviewed, one water supply well historically existed on the Site. The water supply well was installed in 1954 and was located approximately 135 feet east of Eckles Road on the west side of the Site. The well was used for the sprinkler system at the Site. This well was 145 feet deep; however, the screened interval was unknown.

3.0 INTERIM MEASURES TECHNOLOGIES

In-situ chemical oxidation was identified as a potential in-situ technology for the remediation of TCE in AOI 31 groundwater to prevent or reduce the potential for off-Site migration. The objective is to reduce groundwater concentrations of TCE migrating from this area to below applicable Michigan Act 451, Part 201 generic criteria. The performance standard will be to achieve 75 to 80 percent mass removal through the destruction of TCE.

In-situ chemical oxidation was chosen as the preferred remedial alternative because it has many advantages when compared to traditional pump and treat technologies and permeable reactive barriers (PRBs). In-situ chemical oxidation is relatively inexpensive compared to other technologies. The low cost is associated with readily available reagents being injected at fairly low concentrations; reduced sampling requirements, as the only sampling required is groundwater monitoring; and minimal operation and maintenance requirements. In-situ chemical oxidation is a fast and effective technology because it may be used to treat and eliminate the contaminant in place and the reagents are effective against a wide range of contaminates.

In-situ chemical oxidation has some disadvantages compared to pump and treat technologies, some of which can be controlled through the choice of oxidizing agent. Some reagents only work optimally within a certain range of pH and many reagents require special health and safety precautions for transportation and storage. Also, as a reaction byproduct, precipitates can be formed which reduce the permeability of the aquifer. Physically, chemical oxidation requires delivery to impacted groundwater. This can be achieved through the use of injection wells; however, in some cases, the number of wells required may be cost prohibitive.

3.1 IN-SITU CHEMICAL OXIDATION

3.1.1 TECHNOLOGY DESCRIPTION

The goal of this treatment would be to reduce TCE concentrations in groundwater. This method of treatment is expected to completely destroy the TCE following contact with the oxidizing agent. The technology is based upon the concept of injecting a solution of a strong oxidizing agent into the subsurface saturated zone.

The oxidizing agents most commonly used in environmental remediations are potassium permanganate ($KMnO_4$), Fenton's Reagent (hydrogen peroxide (H_2O_2) in a

solution with sulfuric acid and ferrous iron), sodium persulfate, or ozone. Historically, Fenton's Reagent and ozone were extensively used; however, potassium permanganate has replaced its use due to easier implementation, reduced health and safety concerns, and low cost. The potassium permanganate method is favorable since the reagent is easier to handle than H_2O_2 and requires less sophisticated equipment than ozone. Potassium permanganate is more effective when delivered in an aqueous solution, and reacts throughout a wide range of pH (5-12). Besides carbon dioxide and water, the reactions yield primarily manganese dioxide and chloride. Potassium permanganate is inexpensive and readily available in large quantities. It is also relatively safe and easy to handle when normal health and safety procedures are followed.

Extensive field experience and laboratory studies have shown that the use of strong oxidizing agents such as potassium permanganate result in the complete oxidation of the contaminants that come into contact with the oxidizing agent within relatively short periods. Thus, it is a common view that chemical oxidation is typically an effective treatment option for remediation of impacted groundwater. In a chemical oxidation reaction, the oxidizing agent breaks the double carbon bonds in chlorinated compounds and converts them into non-toxic compounds, primarily carbon dioxide and water. Potassium permanganate can accelerate the natural breakdown process of TCE into water and carbon dioxide.

The stoichiometric reaction for the breakdown of TCE by potassium permanganate is shown below:

$$2KMnO_4 + C_2HCl_3 \longrightarrow 2CO_2 + 2MnO_2 + 2KC1 + HC1$$

4.0 LABORATORY TREATABILITY STUDY RESULTS

4.1 FIELD SAMPLING

In March 2003 as part of RFI field activities, groundwater samples were collected from two locations for laboratory treatability studies: MW-103S and MW-202S. A control sample of groundwater from each well was analyzed for volatile organic compounds (VOCs). The results of the groundwater analyses are presented in Table 4.1.

4.2 LABORATORY TREATABILITY STUDY RESULTS

Laboratory treatability studies were conducted to assess the feasibility of using in-situ chemical oxidation for treatment of TCE in the groundwater at the Site.

The main objective of the in-situ chemical oxidation study is summarized as follows:

1. screen and assess the effectiveness of potassium permanganate and sodium persulfate in reducing TCE concentrations in representative groundwater from AOI 31.

4.2.1 REAGENT SCREENING TEST FOR CHEMICAL OXIDATION

A screening test was conducted to assess the ability of two oxidant compounds to destroy TCE. The reagents were:

- sodium persulfate ($K_2O_8S_2$); and
- potassium permanganate ($KMnO_4$).

One percent solutions (weight/weight) of these reagents were prepared and used in the tests. The tests were conducted in 70-milliliter (mL) glass serum bottles, each containing 70 mL of groundwater. Tests were set up with 1, 3, and 6 mL of the prepared 1 percent solution, which is the equivalent to approximately 140.8, 422.5, and 845 milligrams per liter (mg/L) of the oxidizing agent, respectively. The bottles did not contain any headspace and were sealed to prevent VOC losses by volatilization. Control tests were similarly prepared with the exception that water was used instead of the oxidizing solution. The bottles were incubated in the dark for 5 days and then analyzed for VOCs. The results are summarized in Tables 4.2 and 4.3 for potassium permanganate and

sodium persulfate, respectively. Complete results for MW-103S and MW-202S are presented in Tables 4.4 and 4.5, respectively.

4.2.2 TREATMENT OF GROUNDWATER WITH POTASSIUM PERMANGANATE

The treatability study results indicate that potassium permanganate is effective in oxidizing TCE and cis-1,2-dichloroethylene in groundwater. More than 99 percent of these compounds were destroyed by the smallest dose tested (1 mL of the 1 percent solution). However, the treatment, as expected, did not reduce the concentration of 1,1,1-trichloroethane, even when higher concentrations of the oxidizing agent were used. Groundwater sample results for 1,1,1-trichloroethane are below Michigan Act 451, Part 201 generic residential and industrial drinking water criteria. In comparison, sodium persulfate treatment was significantly less effective. The maximum solution of sodium persulfate tested (6 mL) resulted in only 48 to 52 percent reduction in TCE concentration.

The results of these analyses are summarized in Tables 4.2 and 4.3.

4.3 LABORATORY TREATABILITY STUDY CONCLUSIONS

The laboratory treatability study confirmed that in-situ chemical oxidation using potassium permanganate is a feasible oxidant for the remediation of TCE in groundwater in AOI 31.

5.0 FIELD PILOT TEST RESULTS

A field pilot test was conducted in accordance with the Interim Measures Work Plan for AOI 31 (Former Fire Training Area) Groundwater. The purpose of the field pilot test was to optimize the dosage and spacing required for the injection of the chemical oxidant.

5.1 PHASE I – INTRODUCTION OF POTASSIUM PERMANGANATE INTO EXCAVATION

Phase I of the field pilot test consisted of a chemical oxidation laboratory treatability study for groundwater from the Site in April 2003. The results showed that potassium permanganate was able to significantly reduce the concentrations of the chlorinated ethenes [trichloroethane, 1,1-dichloroethane, trichloroethene (TCE), 1,1-dichloroethene, 1,2-dichloroethene] present in the groundwater.

The excavation completed on August 21, 2003 resulting from the removal of TCE and PCB impacted soil was used to treat groundwater impacted by TCE. A portion (10 feet x 20 feet) of the excavation was open to 10 ft bgs which was within 3 to 5 feet of the water table. The excavation provided easy and inexpensive access to the water table in the source area. The Phase I Field Pilot Test treatment consisted of placing 1,800 gallons of potassium permanganate solution (1 percent) into the existing excavation via gravity drainage from a storage tank. The solution was expected to infiltrate into the groundwater at an expected rate of approximately 50 gallons per minute (gpm). Following the introduction of the solution, 1,800 gallons of potable water were drained into the excavation to force the solution into the aquifer.

One soil sample was collected from the base of the excavation prior to discharging the solution and one soil sample was collected following the introduction. The soil samples were analyzed for VOCs. In addition, groundwater samples were collected prior to the introduction at one existing monitoring well (MW3S-02) and one temporary monitoring well (TMW1-03). Additional groundwater samples were collected from the two wells 2 weeks after the introduction. This timing of the second sampling coincided with when groundwater flow was expected to reach the midpoint between the two downgradient monitoring wells (groundwater velocity approximately 1 foot/day). Samples were analyzed for VOCs, dissolved oxygen (DO), oxygen reduction potential (ORP), potassium, chloride, residual potassium permanganate, pH, manganese (total and dissolved), microbial counts, total suspended solids (TSS), and total dissolved solids (TDS). The results are shown in Tables 5.1 and 5.2.

5.1.1 REVIEW OF RESULTS

Chemical Oxidation with potassium permanganate is most effective for the destruction of chlorinated ethenes such as TCE. The following sections describe the TCE reductions obtained in soil and groundwater. The percent TCE reductions for each monitoring well are shown in Table 5.2.

Soil From Excavation

No VOCs were detected in the excavation soil samples taken before and after treatment with potassium permanganate. This is likely due to the fact that TCE-impacted soils were also removed during the PCB-impacted soil removal activities conducted in 1998 and 2003 as discussed in Section 1.1. Consequently, the majority of remaining TCE in AOI 31 is present in the groundwater and not the soil.

Well MW3S-02

A 25 percent reduction in TCE was observed in MW3S-02 2 weeks after potassium permanganate injection is indicative that the oxidant reached the well. Potassium permanganate is a strong oxidizing agent and does not discriminate between TCE and other organic compounds including natural organic material (microbial cells, plant debris, etc.) that are commonly present in soil and groundwater. Based on our experience at many other sites, potassium permanganate treatment is often accompanied by a transient increase of acetone. Acetone (CH3.CO.CH3) is formed as a temporary intermediate. Acetone is water soluble and biodegradable in the presence of oxygen. The application of potassium permanganate enriches the soil and groundwater with oxygen and leads to enhanced biodegradation of the residual acetone. An increase in acetone is therefore considered an indication that the treatment is proceeding actively. The increase in acetone indicates that potassium permanganate was being consumed by compounds other than the target chlorinated compounds, however, TCE removal did occur indicating that the oxidant was not completely spent before reaching the well. The increase in potassium and manganese indicates that the injected oxidant plume was reaching the well. The increase in the total microbial population indicates that the oxidant was not at a high concentration by the time it reached the well because the presence of oxidant would cause the microbial population to decline.

Well TMW1-03

No reduction in TCE was observed in TMW1-03 2 weeks after potassium permanganate injection. The increase in potassium indicates that the residual oxidant plume was reaching the well. Therefore the lack of TCE removal indicates that the oxidant was spent before reaching the well. The increase in acetone indicates that potassium permanganate was being consumed by compounds other than the target chlorinated compounds upgradient of the well and that acetone was migrating downgradient. The lack of an increase in manganese was expected because it would be reduced to solid manganese dioxide by the oxidation process and, therefore, would be slow to solubilize and move downgradient. The increase in the total microbial population indicated that the oxidant was not at a high concentration by the time it reached the well.

A significant reduction in TCE concentration was observed at well MW3S-02 but no reduction was observed at well TMW1-03. These results suggest that the potassium permanganate is effective in reducing the TCE concentration but that it is being consumed before it reaches the further downgradient well. Potassium permanganate is a strong oxidizing agent and does not discriminate between TCE and other organic compounds including natural organic material (microbial cells, plant debris, etc.) that are commonly present in soil and groundwater. Based on our experience at many other sites, potassium permanganate treatment is often accompanied by a transient increase of acetone. Acetone (CH3.CO.CH3) is formed as a temporary intermediate. Acetone is water soluble and biodegradable in the presence of oxygen. The application of potassium permanganate enriches the soil and groundwater with oxygen and leads to enhanced biodegradation of the residual acetone. An increase in acetone is therefore considered an indication that the treatment is proceeding actively. The low concentration of TCE suggests that other compounds that are present at higher concentrations are being partially oxidized before the complete oxidation of the TCE occurs. This non-specific oxidation is confirmed by the increase in acetone concentration observed at the two locations after treatment. Acetone is a common breakdown product of the oxidation of non-chlorinated species. This non-specific oxidation consumes the potassium permanganate, which is then not available to oxidize all of the TCE present.

Summary

The data from the wells show that the treatment of TCE using potassium permanganate did occur. The probable presence of oxidizable constituents in the soil appears to be consuming some potassium permanganate, which has resulted in a reduction in the anticipated amount of TCE treated.

The increase in potassium in the wells shows that the oxidant would reach the wells, this information can be used in the determination of injection well spacing for full-scale application. It is likely based on these data that the spacing could be 20 or 25 feet.

5.2 PHASE II – INTRODUCTION OF POTASSIUM PERMANGANATE INTO WELLS

Phase II of the field pilot test consisted of five shallow injection wells (IW1S, IW2S, IW3S, IW4S, and IW5S) which were located adjacent to existing wells in AOI 31. Downgradient of each injection well are a series of three monitoring wells at approximately 5-foot intervals. Monitoring well locations are presented in Table 5.3 and shown on Figure 5.1. Pre-injection groundwater samples were collected from each monitoring well on July 6, 2004. Two hundred gallons of a 2 percent potassium permanganate solution was injected into each injection well July 7, 2004. Post injection groundwater samples were then collected from each monitoring well 1 week and 3 weeks after the potassium permanganate injection. The groundwater samples were analyzed for VOCs, selected metals, general chemistry and biological parameters. The sample results are presented in Tables 5.4 through 5.8.

5.2.1 REVIEW OF ANALYTICAL RESULTS

The following sections describe the TCE reductions obtained by the five pilot injections. The percent TCE reductions for each monitoring well are presented in Table 5.9.

Injection Well IW1S

No TCE reduction occurred in the monitoring wells downgradient of IW1S. The significant increase in acetone shows that potassium permanganate is being consumed by compounds other than the target chlorinated compounds. The increase in potassium shows that the injected oxidant plume is reaching the monitoring wells but that the oxidant has likely been consumed before it reaches the downgradient wells. There is no increase in chloride concentration because chlorinated compounds are not being oxidized. The slight increase in the total microbial population also indicates also that the oxidant concentration is either low or is not reaching the monitoring wells because the oxidant would cause the microbial population to decline. Additional injections of a 2 percent potassium permanganate solution would address this issue.

Injection Well IW2S

A 20 percent reduction in TCE was observed in IW2S monitoring well MW-3S-02 after 3 weeks; a 48 percent reduction in TCE was observed in MW-8S-04 and 84 percent reduction in TCE was observed in MW-9S-04, both after 3 weeks. The increase in acetone shows that potassium permanganate is being consumed by compounds other than the target chlorinated compounds, however, TCE removal indicates that the oxidant is not completely spent before reaching the monitoring wells. The increase in potassium shows that the injected oxidant plume is reaching the monitoring wells. There is an increase in chloride concentration showing that chlorinated compounds are being oxidized. The slight increase in the total microbial population indicates that the oxidant is not at a high concentration by the time it reaches the monitoring wells because the presence of oxidant would cause the microbial population to decline. Additional injections would address this issue.

Injection Well IW3S

A 38 percent reduction in TCE was observed in MW-101S, no TCE reduction occurred in MW-10S-04, and a 59 percent reduction of TCE was observed in MW-11S-04. The increase in acetone, shows that potassium permanganate is being consumed by compounds other than the target chlorinated compounds. The increase in potassium shows that the injected oxidant plume is reaching the monitoring wells, however much of the oxidant is likely spent by the time it gets there. There is a slight increase in chloride concentration since chlorinated compounds are being oxidized. The slight increase in the total microbial population indicates that the oxidant is not at a high concentration by the time it reaches the monitoring wells because the presence of oxidant would cause the microbial population to decline. Additional injections would address this issue.

Injection Well IW4S

A 25 percent reduction in TCE was observed in MW-102S, no removal occurred in MW-12S-04 and a 12 percent reduction of TCE was observed after 1 week in MW-13S-04, however there was less than a 2 percent reduction in the same monitoring well after 3 weeks. The increase in acetone shows that potassium permanganate is being consumed by compounds other than the target chlorinated compounds. The increase in potassium shows that the injected oxidant plume is reaching the monitoring wells but the increase in MW-13S-04 is only slight so it is possible that more time is required for the plume to fully reach this well. Again, it is possible that the oxidant is spent by the time it gets to the monitoring wells. There was a slight increase in chloride

concentration since chlorinated compounds were oxidized in MW-102S. The slight increase in the total microbial population again indicates that the oxidant is not at a high concentration when reaching the monitoring wells since oxidant would cause the microbial population to decline.

Injection Well IW5S

A 20 percent reduction in TCE was observed in MW-104S, no removal occurred in either MW-14S-04 or MW-15S-04. The slight increase in acetone shows that potassium permanganate is being consumed by compounds other than the target chlorinated compounds. The increase in potassium shows that the injected oxidant plume is reaching the monitoring wells but the increase in all three monitoring wells is only slight so it is possible that more time is required for the plume to fully reach the wells. There is a slight increase in chloride concentration since chlorinated compounds were oxidized in MW-104S.

Summary

With the exception of the injection at IW1S, reductions in TCE concentrations were observed in all the monitoring wells closest to the injection wells. These results suggest that the potassium permanganate is effective in reducing the TCE concentration but that it is being consumed before it reaches the further downgradient monitoring wells. The low concentration of TCE at the Site suggests that other compounds that are present at higher concentrations are being partially oxidized before the complete oxidation of the TCE occurs. This non-specific oxidation is confirmed by the increase in acetone concentration observed at most locations after treatment. Acetone is a common breakdown product of the oxidation of non-chlorinated species. This non-specific oxidation consumes the potassium permanganate, which is then not available to oxidize all of the TCE present. The reduction in acetone concentration in some of the monitoring wells after 3 weeks suggests that the presence of acetone is transient and that it is being biodegraded rapidly.

5.2.2 REVIEW OF SLUG TEST RESULTS

Slug tests were performed on the five shallow injection wells on July 30, 2004. The slug tests were performed to determine the post-injection in-situ hydraulic conductivity of the water-bearing zone. The tests were performed by removing a solid slug from the wells to create an instantaneous change in head. The measurements from the wells were recorded using a datalogger and pressure transducer. The data was analyzed using the

Bouwer and Rice Method for unconfined aquifers, utilizing AQTESOLV software. The results are summarized in Table 5.10. The individual data plots are included in Appendix C.

The calculated hydraulic conductivity for the five injection wells screened within the shallow portion of the water-bearing zone varies from 2.92×10^{-3} cm/sec to 7.19×10^{-3} cm/sec with a geometric mean of 2.2×10^{-3} cm/sec. The post-injection geometric mean hydraulic conductivity for the five injection wells is 4.2×10^{-3} cm/sec. This value is slightly higher, but within the same order of magnitude as the data collected in 2002.

5.2.3 CONCLUSIONS AND RECOMMENDATIONS

The data from the monitoring wells show that a potassium permanganate solution can be effectively delivered to the impacted groundwater in AOI 31. The percentage removal of TCE varied depending on the monitoring well location. The variability appears to be caused by the heterogeneity of the Site chemistry. The probable presence of oxidizable constituents in the soil appears to be consuming some potassium permanganate, which has resulted in a reduction in the anticipated amount of TCE treated. Typically more than one application of potassium permanganate is required to meet the natural oxidation demand (NOD) of the soil.

The increase in potassium in the monitoring wells (shown in Table 5.7) shows that the oxidant would reach the wells, therefore, a 30-foot injection well spacing for full scale application should be considered. Based on the data available to date the spacing of injection wells could be increased to 40 feet.

The results of the slug testing indicate that in-situ chemical oxidation will not significantly affect the hydraulic conductivity of the aquifer unit.

6.0 PROPOSED INTERIM MEASURE

Full-scale interim measures will consist of chemical oxidation using potassium permanganate.

6.1 RATIONALE FOR POTENTIAL FULL-SCALE INTERIM MEASURES

The majority of soil in AOI 31 which was impacted by TCE at levels exceeding the Michigan Act 451, Part 201 generic residential/industrial drinking water protection criteria have been excavated and removed from the Site during the PCB cleanup activities in order to significantly reduce continued TCE leaching into the groundwater. This mitigated a potential source of future groundwater contamination. The injection of potassium permanganate will significantly reduce TCE concentrations already present in the groundwater in the area identified on Figure 2.4.

6.2 CONSTRUCTION OF POTENTIAL FULL-SCALE INTERIM MEASURES

A minimum of two rounds of potassium permanganate injection will be conducted at the 38 existing (4) and proposed (34) on-Site injection wells shown on Figure 6.1. The 40-foot injection well spacing was determined based on the results of the field pilot test presented in Section 5.2.3. Injection rounds will be conducted at approximate 4-week intervals.

Each round will consist of injecting approximately 200 gallons of potassium permanganate solution (2 percent w/w) into each injection well. Additional rounds after the second round, may be required based on the monitoring discussed in Section 6.3, and may involve only a subset of the injection wells.

6.3 MONITORING DURING POTENTIAL FULL-SCALE INTERIM MEASURES

Groundwater samples will be collected at the monitoring wells shown on Figure 6.2 and analyzed for VOCs, dissolved oxygen (DO), oxygen reduction potential (ORP), potassium, chloride, residual potassium permanganate, pH, manganese (total and dissolved), microbial count, total suspended solids (TSS), and total dissolved solids (TDS) every 4 weeks for the first 3 months commencing 2 weeks after the first injection.

Samples will be collected from the 15 wells proposed as the monitoring well network displayed on Figure 6.2.

Based on the sample results, it will be determined whether additional reagent injection and subsequent monitoring are required, and if so, at which location(s).

6.4 REPORTING

After the completion of full-scale interim measures implementation and successive monitoring, a final Interim Measures Report will be submitted to the U.S. EPA for review.

7.0 SCHEDULE

Figure 7.1 presents a proposed schedule for implementation of this Work Plan

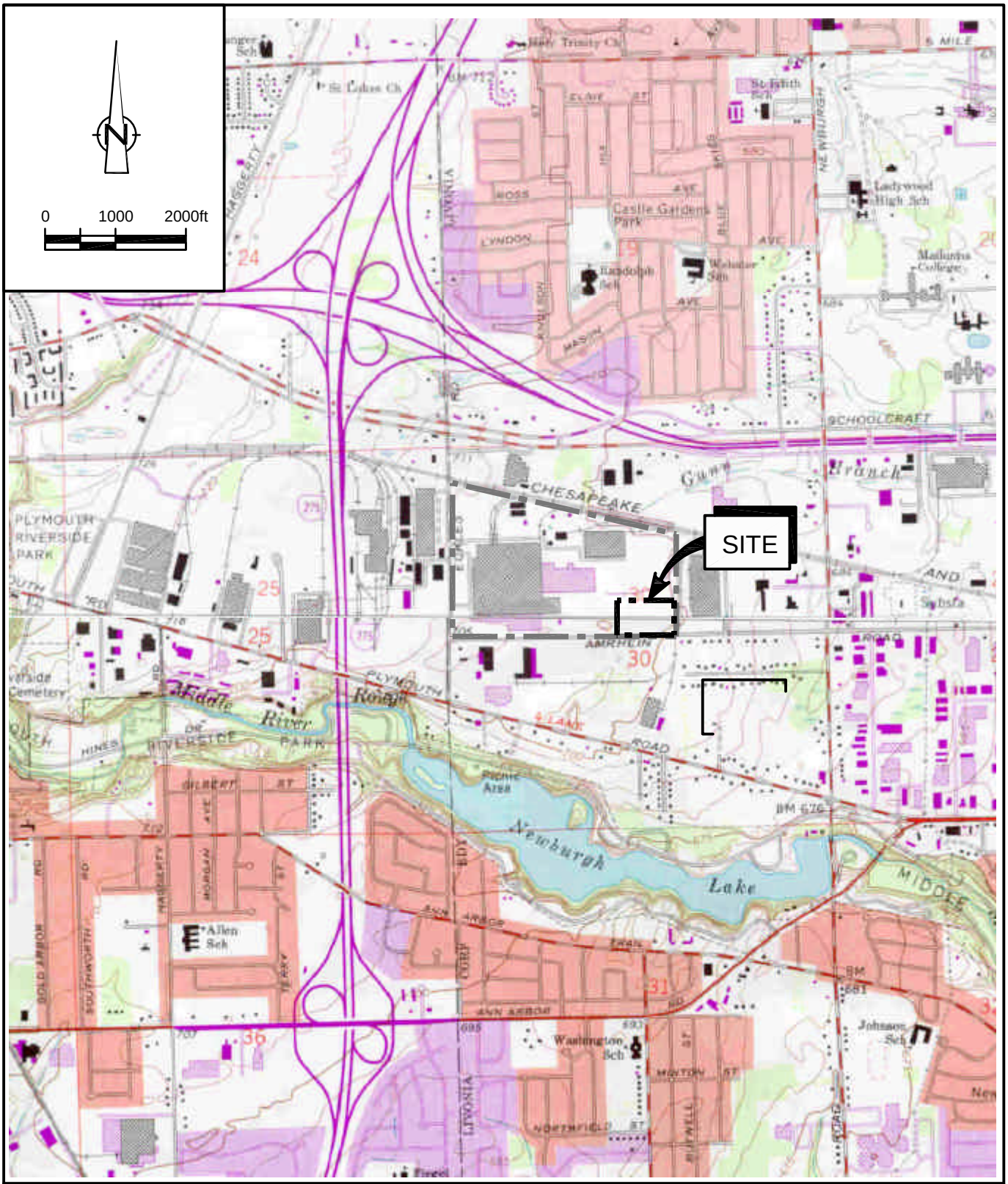
8.0 REFERENCES

"Current Conditions Report 13000 Eckles Road Livonia, Michigan"; Conestoga-Rovers & Associates; June 21, 2002.

"Interim Measures Work Plan for AOI 31 (Former Fire Training Area) Groundwater 13000 Eckles Road Livonia, Michigan"; Conestoga-Rovers & Associates; March 2004.

"RCRA Facility Investigation Work Plan 13000 Eckles Road Livonia, Michigan" Conestoga-Rovers & Associates; September 2002.

"RCRA Facility Investigation Report 13000 Eckles Road Site Livonia, Michigan" Conestoga-Rovers & Associates; February 2004



SOURCE: USGS QUADRANGLE MAPS;
NORTHVILLE AND WAYNE, MICHIGAN

figure 1.1

SITE LOCATION
AOI 31
13000 ECKLES ROAD SITE
Livonia, Michigan

12607-225(042)GN-WA001 SEP 09/2004

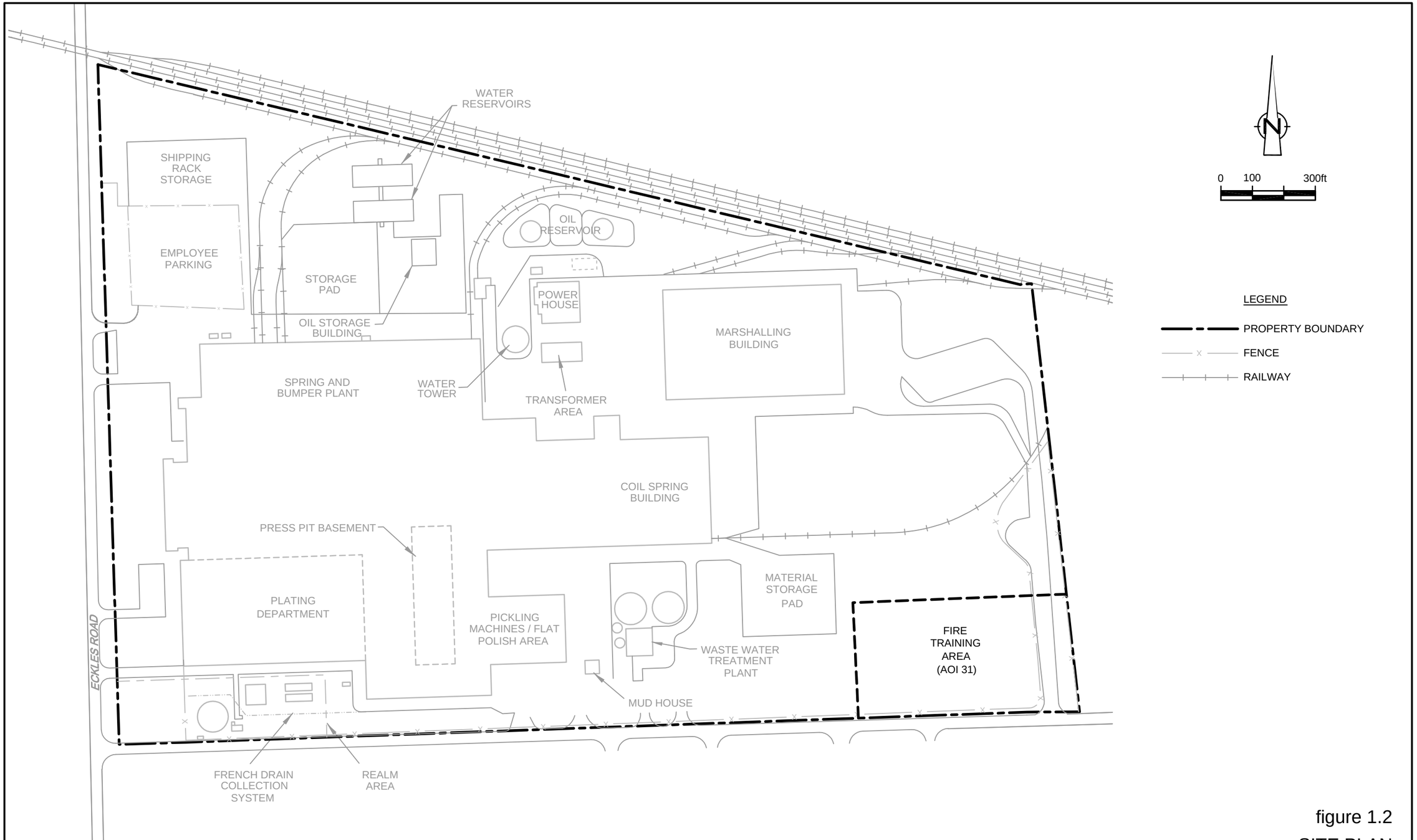


figure 1.2

SITE PLAN
AOI 31
13000 ECKLES ROAD SITE
Livonia, Michigan

12607-225(042)GN-WA002 SEP 09/2004

BH1-02	6/07/2002 0-2 ft BGS	6/07/2002 8.5-9.5 ft BGS
Total PCBs	ND	-
Trichloroethene	ND (56)	ND (94)

BH1A-02	6/17/2002 8-10 ft BGS
Total PCBs	ND

BH54-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	ND	ND

BH47-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	ND	ND

BH35-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS	12/02/2002 8-10 ft BGS
Total PCBs	45 J/33 J	11 J	-
Trichloroethene	ND (58)/ND (61)	ND (67)	ND (83)

BH38-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS
Total PCBs	32 J	ND

BH20-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	62000/78000	ND
Trichloroethene	31 J/ND (91)	88

BH58-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	25000	ND

BH57-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	59 J	ND

BH30-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (98)	51 J

BH36-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS
Total PCBs	740	ND

BH75-03	1/10/2003 0-2 ft BGS
Total PCBs	22 J

BH73-03	1/10/2003 0-2 ft BGS
Total PCBs	ND

BH74-03	1/10/2003 0-2 ft BGS
Total PCBs	ND

BH53-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	580	ND

BH65-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	1200/1900	60 J

BH39-02	12/02/2002 4-6 ft BGS
Total PCBs	480

BH52-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	82 J	ND

BH29-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (93)	280 [A]

BH56-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	5400	340 J

BH40-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS	12/02/2002 8-10 ft BGS
Total PCBs	8500	1100	ND
Trichloroethene	200 [A]	160 [A]	27 J

MW5S-02	1/10/2003 0-2 ft BGS	12/03/2002 4-8 ft BGS	12/03/2002 12-16 ft BGS
Trichloroethene	ND (70)	94	ND (68)

BH63-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	1700	ND

BH72-03	1/10/2003 0-2 ft BGS
Total PCBs	350 J

BH61-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	38	ND/99 J

BH28-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND/ND	ND
Trichloroethene	ND (61)/ND (57)	81

BH62-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	32 J	ND

BH62A-02	1/08/2003 5-6 ft BGS
Total PCBs	ND

BH71-03	1/10/2003 0-2 ft BGS
Total PCBs	ND

BH44-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS
Total PCBs	61 J	ND

BH26-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (64)	ND (81)

BH67-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	74 J	ND

BH27-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (72)	150 [A]

BH43-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS
Total PCBs	240 J/220 J	35 J

BH24-02	8/19/2002 0-2.5 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	55	340 [A]

BH70-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	44 J	ND

BH68-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	ND	39 J

BH42-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS	12/02/2002 8-10 ft BGS
Total PCBs	8100	ND	-
Trichloroethene	45 J	ND (68)	71

BH23-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (110)	35 J

BH64-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	1900	3100

BH22-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (79)	ND (130)

BH21-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (73)	87

BH69-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	ND	19 J

BH25-02	8/19/2002 0-2 ft BGS	8/19/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (82)	67 J

AOI 31

BH1-02
BH1A-02
BH47-02
BH35-02
BH36-02
BH54-02
BH53-02
BH52-02
BH75-03
BH74-03
BH38-02
BH30-02
BH20-02
BH56-02
BH40-02
BH73-03
BH58-02
BH57-02
BH39-02
MW5S-02
BH29-02
BH65-02
BH42-02
BH62-02
BH63-02
BH61-02
BH72-03
BH62A-02
BH64-02
BH69-02
BH43-02
BH71-03
BH70-02
BH68-02
BH67-02
BH44-02
BH28-02
BH26-02
BH25-02
BH27-02
BH24-02
BH23-02
BH21-02
BH22-02

1998 EXCAVATION LIMITS

EAST

WEST

0 10 30ft

LEGEND

BH5-02 ■ BOREHOLE LOCATION

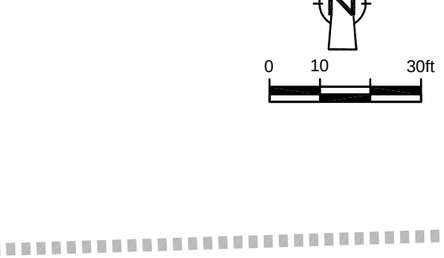
MW4S-02 ● MONITORING WELL LOCATION

BH14A-02 — SAMPLE LOCATION
6/21/2002 — SAMPLE DATE
8-10 ft BGS — DEPTH
Trichloroethene — RESULT (µg/kg)
0.15 — CHEMICAL NAME

EXCEEDANCE

LOCATION EXCAVATED DURING PCB CLEANUP(2003)

Chemical name	Drinking Water Protection Criteria
Trichloroethene	100
Total PCBs	-



KEY PLAN

figure 2.1

PRE-EXCAVATION
PCB & TCE SOIL SAMPLE LOCATIONS AND RESULTS
WEST SIDE OF AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA003 JAN 25/2005

BH34-02	12/03/2002 0-2 ft BGS	12/03/2002 4-6 ft BGS
Total PCBs	61 J	ND

BH46-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	61 J	ND

BH31-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Trichloroethene	ND (110)	ND (97)

BH48-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	ND	ND

BH3-02	6/10/2002 0-2 ft BGS	6/10/2002 8-10 ft BGS
Trichloroethene	ND (56)	ND (79)

BH37-02	12/03/2002 0-2 ft BGS	12/03/2002 4-6 ft BGS	12/03/2002 8-10 ft BGS
Total PCBs	55 J	ND	-
Trichloroethene	15 J	73 J	110 [A]

BH12-02	6/17/2002 0-2 ft BGS	6/17/2002 7.5-9.5 ft BGS
Total PCBs	ND	ND
Trichloroethene	32 J	870 [A]

BH49-02	12/20/2002 4-5 ft BGS
Total PCBs	37 J

BH2-02	6/07/2002 0-2 ft BGS	6/07/2002 7.5-9.5 ft BGS
Trichloroethene	ND (61)	ND (67)

BH19-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Total PCBs	4600	ND
Trichloroethene	35 J	ND (82)

BH13-02	6/17/2002 0-2 ft BGS	6/17/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	49 J	670 [A]

BH50-02	12/20/2002 4-5 ft BGS
Total PCBs	ND

BH32-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Trichloroethene	ND (140)	ND (85)

BH16-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Total PCBs	100000/79000	ND
Trichloroethene	55000 (A)/62000 [A]	2500 [A]

BH4-02	6/10/2002 0-2 ft BGS	6/10/2002 8-10 ft BGS
Trichloroethene	ND (63)	ND (66)

BH51-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	4600	3300

BH51A-02	1/08/2003 5-6 ft BGS	1/08/2003 7-8 ft BGS	1/08/2003 9-10 ft BGS
Total PCBs	1300	24 J	ND

BH55-02	12/20/2002 4-5 ft BGS
Total PCBs	65 J

BH17-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	120 [A]	ND (110)

BH60-02	12/20/2002 0-2 ft BGS	12/20/2002 4-5 ft BGS
Total PCBs	190 J	45 J

BH66-02	12/20/2002 4-5 ft BGS
Total PCBs	ND

BH18-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Total PCBs	ND/ND	ND
Trichloroethene	ND (77)/ND (83)	110 [A]

BH59-02	12/20/2002 4-5 ft BGS
Total PCBs	ND

BH45-02	12/02/2002 0-2 ft BGS	12/02/2002 4-6 ft BGS	12/02/2002 8-10 ft BGS
Total PCBs	110 J	ND	-
Trichloroethene	16 J	21 J	53 J

MW3S-02	6/11/2002 0-2 ft BGS	6/11/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (56)	70

MW4S-02	6/11/2002 0-2 ft BGS	6/11/2002 8-10 ft BGS
Total PCBs	ND	ND/ND
Trichloroethene	ND (60)	45 J/65

BH41-02	12/02/2002 4-6 ft BGS	12/02/2002 10-10.5 ft BGS
Total PCBs	430	ND

BH5-02	6/10/2002 0-2 ft BGS	6/10/2002 8-10 ft BGS
Trichloroethene	ND (69)	ND (61)

BH6-02	6/10/2002 0-2 ft BGS	6/10/2002 8-10 ft BGS
Trichloroethene	ND (53)	23 J

BH33-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Trichloroethene	ND (91)	ND (95)

BH7-02	6/10/2002 0-2 ft BGS	6/10/2002 8-10 ft BGS
Trichloroethene	ND (70)	21 J

BH14-02	6/17/2002 0-2 ft BGS	6/17/2002 8-10 ft BGS
Total PCBs	ND	ND
Trichloroethene	ND (74)	-

BH8-02	6/10/2002 0-2 ft BGS	6/10/2002 8-10 ft BGS
Trichloroethene	ND (52)	ND (60)

BH15-02	8/20/2002 0-2 ft BGS	8/20/2002 8-10 ft BGS
Total PCBs	17000	ND
Trichloroethene	2000 [A]	36 J

BH14A-02	6/21/2002 8-10 ft BGS
Trichloroethene	150 [A]

BH9-02	6/11/2002 0-2 ft BGS	6/11/2002 8-10 ft BGS
Trichloroethene	ND (54)	ND (52)

BH11-02	6/17/2002 0-2 ft BGS	6/17/2002 1.5-2 ft BGS	6/17/2002 8-10 ft BGS
Total PCBs	110000/72000	ND	3900
Trichloroethene	55 J/39 J	990 [A]	1700 [A]

BH34-02 BH31-02 BH46-02 BH37-02 BH48-02 BH49-02 BH12-02 BH19-02 BH50-02 BH13-02 BH51A-02 BH16-02 BH51-02 BH55-02 BH11-02 BH41-02 BH32-02 MW3S-02 BH17-02 BH59-02 BH60-02 BH15-02 BH45-02 BH66-02 BH14A-02 BH18-02 BH14-02 1998 EXCAVATION LIMITS BH33-02 MW4S-02 BH4-02 BH2-02 BH3-02 BH5-02 BH6-02 BH7-02 BH8-02 BH9-02 BH14A-02

WEST EAST

WEST EAST

0 10 30ft

LEGEND

BH5-02 ■ BOREHOLE LOCATION

MW4S-02 ● MONITORING WELL LOCATION

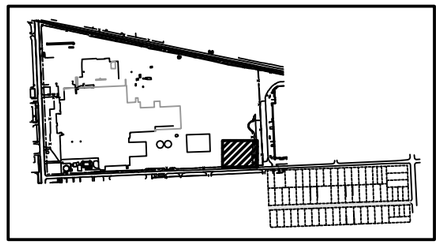
BH14A-02	6/21/2002
	8-10 ft BGS
Trichloroethene	0.15

SAMPLE LOCATION
SAMPLE DATE
DEPTH
RESULT (µg/kg)
CHEMICAL NAME

EXCEEDANCE

LOCATION EXCAVATED DURING PCB CLEANUP

Chemical name	Drinking Water Protection Criteria
Trichloroethene	100
Total PCBs	-



KEY PLAN

figure 2.2

PRE-EXCAVATION PCB & TCE SOIL SAMPLE LOCATIONS AND RESULTS
EAST SIDE OF AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA004 JAN 25/2005

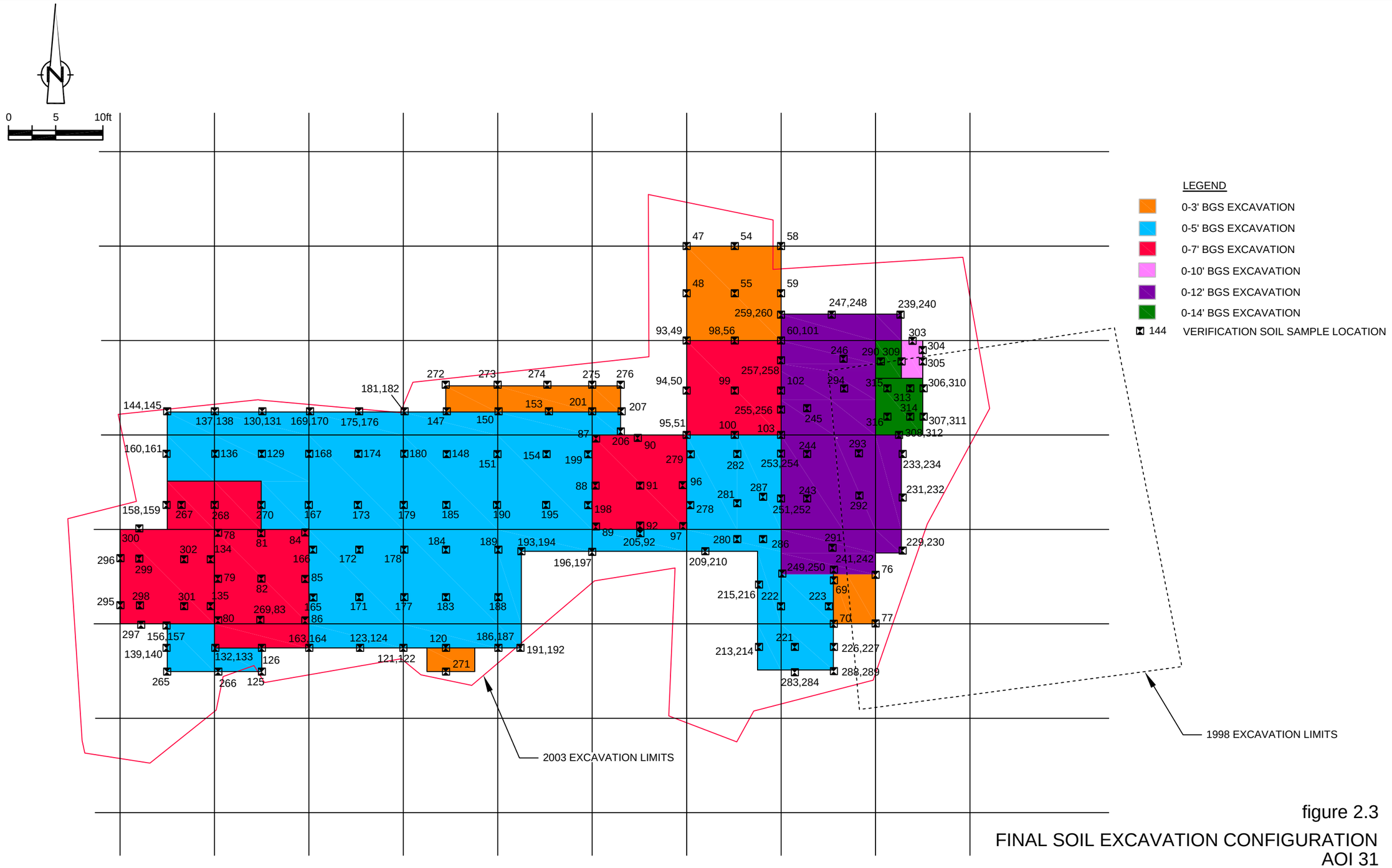


figure 2.3

FINAL SOIL EXCAVATION CONFIGURATION
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA005 JAN 25/2005

MW3S-02	6/21/02 ug/L	12/9/02 ug/L	7/21/03 ug/L	2/20/04 ug/L	4/5/04 ug/L	4/21/04 ug/L	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Total PCBs	ND	-	-	-	-	-	-	-	-
Trichloroethene	79 [A]	57 [A]	33 [A]	22 [A]	28 [A]	21 [A]	50 [A]/45 [A]	58 [A]	40 [A]

MW1-01	6/13/02 ug/L	12/4/02 ug/L	7/21/03 ug/L	2/23/04 ug/L
Total PCBs	ND/ND	-	-	-
Trichloroethene	ND (1)/ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW2-01	6/13/02 ug/L
Total PCBs	ND
Trichloroethene	ND (1)

TMW1-03	4/5/04 ug/L	4/21/04 ug/L
Trichloroethene	7.0 [A]	11 [A]

MW9S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	21 [A]	19 [A]	3.3

MW8S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	13 [A]	16 [A]	8.7 [A]

MW3D-02	1/10/03 ug/L	7/21/03 ug/L	2/20/04 ug/L
Trichloroethene	ND (1.0)	ND (1)	ND (1.0)

BH2-02	6/11/02 ug/L
Trichloroethene	ND (1)

MW4S-02	6/21/02 ug/L	12/9/02 ug/L	7/21/03 ug/L	2/23/04 ug/L	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Total PCBs	ND	-	-	-	-	-	-
Trichloroethene	99 [A]	ND (1.0)	60 [A]	60 [A]	54 [A]	67 [A]	54 [A]

MW6S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	38 [A]/38 [A]	42 [A]	38 [A]

MW7S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	35 [A]	35 [A]	39 [A]

BH3-02	6/10/02 ug/L
Trichloroethene	ND (1)

BH4-02	6/10/02 ug/L
Trichloroethene	52 [A]

BH5-02	6/10/02 ug/L
Trichloroethene	0.72 J

BH6-02	6/10/02 ug/L
Trichloroethene	54 [A]

BH7-02	6/10/02 ug/L
Trichloroethene	34 [A]

MW-104D	6/14/02 ug/L	12/6/02 ug/L	3/3/03 ug/L	7/21/03 ug/L	2/24/04 ug/L
Total PCBs	ND	-	-	-	-
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1)	ND (1.0)

MW-104S	6/14/02 ug/L	12/6/02 ug/L	3/3/03 ug/L	7/21/03 ug/L	2/24/04 ug/L	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Total PCBs	ND	-	-	-	-	-	-	-
Trichloroethene	12 [A]	12 [A]/14 [A]	11 [A]	11 [A]	11 [A]	11 [A]	8.6 [A]	8.9 [A]/8.8 [A]

MW14S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	6.1 [A]	6.2 [A]	6.3 [A]

MW15S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	8.9 [A]	8.9 [A]	9.2 [A]

MW-202D	6/20/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-202S	6/20/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	150 [A]	120 [A]	120 [A]	140 [A]

MW-203D	6/25/02 ug/L	12/5/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)/ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-203S	6/25/02 ug/L	12/5/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

BH10-02	6/11/02 ug/L
Trichloroethene	110 [A]

MW5S-02	12/8/02 ug/L	7/21/03 ug/L	2/23/04 ug/L
Trichloroethene	0.74 J	3.6/3.8	2.9

MW-101	6/19/02 ug/L	12/4/02 ug/L	7/21/03 ug/L	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Total PCBs	ND	-	-	-	-	-
Trichloroethene	35 [A]/35 [A]	38 [A]	33 [A]	21 [A]	29 [A]	13 [A]

MW-102	6/19/02 ug/L	12/4/02 ug/L	7/21/03 ug/L	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Total PCBs	ND	-	-	-	-	-
Trichloroethene	61 [A]	80 [A]	57 [A]	56 [A]	43 [A]	42 [A]

MW12S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	44 [A]	57 [A]	55 [A]

MW13S-04	7/6/04 ug/L	7/14/04 ug/L	7/28/04 ug/L
Trichloroethene	53 [A]	47 [A]/48 [A]	52 [A]/55 [A]

MW-105S	6/14/02 ug/L	12/3/02 ug/L	3/3/03 ug/L	7/21/03 ug/L	2/23/04 ug/L
Total PCBs	ND	-	-	-	-
Trichloroethene	1.3	1.4	1.3	1	0.95 J

MW-105D	6/14/02 ug/L	12/4/02 ug/L	3/3/03 ug/L	7/21/03 ug/L	2/23/04 ug/L
Total PCBs	ND	-	-	-	-
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1)	ND (1.0)

BH8-02	6/10/02 ug/L
Trichloroethene	6.8 [A]

BH9-02	6/11/02 ug/L
Trichloroethene	40 [A]

MW-103S	6/18/02 ug/L	12/3/02 ug/L	7/21/03 ug/L
Total PCBs	ND	-	-
Trichloroethene	85 [A]	100 [A]	60 [A]

MW-103D	6/18/02 ug/L	12/3/02 ug/L	7/21/03 ug/L	2/23/04 ug/L
Total PCBs	ND	-	-	-
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-201S	6/20/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-201D	6/20/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-205S	6/19/02 ug/L	12/5/02 ug/L	7/24/03 ug/L
Trichloroethene	0.22 J	ND (1.0)	ND (1)

MW-205D	6/19/02 ug/L	12/5/02 ug/L	7/24/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-204D	6/19/02 ug/L	12/5/02 ug/L	7/24/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-204S	6/18/02 ug/L	12/5/02 ug/L	7/24/03 ug/L
Trichloroethene	77 [A]	53 [A]	40 [A]

38024 Grantland Avenue	3/12/03 ug/L
Trichloroethene	ND (1)

37974 Grantland Avenue	6/30/03 ug/L
Trichloroethene	ND (1.0)

MW-206D	6/27/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)/ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-206S	6/26/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1.7)	ND (2.5)	ND (1)	ND (1.0)

MW-213S	6/26/02 ug/L	12/4/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	280 [A]	490 [A]	290 [A]	280 [A]

37920 Grantland Avenue	4/2/03 ug/L	7/14/03 ug/L
Trichloroethene	ND (2.0)	ND (2.5)

MW-213D	6/26/02 ug/L	12/4/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	1.2/1.2	0.61 J/0.70 J	0.84 J	0.46 J

MW-218D	6/25/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	0.17 J	ND (1.0)	ND (1)	ND (1.0)

MW-211S	6/26/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-218S	6/25/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	3.9	5.0	4.1	2.5

MW-211D	6/26/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW-302D	1/9/03 ug/L
Trichloroethene	27 [A]

MW-302S	1/9/03 ug/L	6/2/03 ug/L
Trichloroethene	530 [A]	460 [A]

MW-215S	6/24/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	89 [A]	79 [A]	87 [A]	61 [A]

MW-214S	6/20/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW-214D	6/20/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

37651 Grantland	6/30/03 ug/L
Trichloroethene	ND (1.0)

MW-304S	2/24/04 ug/L
Trichloroethene	ND (1.0)

MW-304D	2/24/04 ug/L
Trichloroethene	ND (1.0)

MW-217S	6/21/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-215D	6/24/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-217D	6/21/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-212S	6/24/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (2.5)	ND (3.3)/ND (2.0)	1.2 J/1.1 J	1.5 J

MW-212D	6/24/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW-303S	1/20/03 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1.0)	ND (1)	ND (1.0)

MW-216S	6/24/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)/ND (1.0)	ND (1)/ND (1)	ND (1.0)

MW-216D	6/24/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-301S	1/20/03 ug/L	7/23/03 ug/L	2/27/04 ug/L
Trichloroethene	ND (1.0)	ND (1)	ND (1.0)

37771 Amherin Road	3/12/03 ug/L
Trichloroethene	ND (1)

BH8-02	6/10/02 ug/L
Trichloroethene	6.8 [A]

BH9-02	6/11/02 ug/L
Trichloroethene	40 [A]

MW-103S	6/18/02 ug/L	12/3/02 ug/L	7/21/03 ug/L
Total PCBs	ND	-	-
Trichloroethene	85 [A]	100 [A]	60 [A]

MW-103D	6/18/02 ug/L	12/3/02 ug/L	7/21/03 ug/L	2/23/04 ug/L
Total PCBs	ND	-	-	-
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-201S	6/20/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-201D	6/20/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-205S	6/19/02 ug/L	12/5/02 ug/L	7/24/03 ug/L
Trichloroethene	0.22 J	ND (1.0)	ND (1)

MW-205D	6/19/02 ug/L	12/5/02 ug/L	7/24/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-204D	6/19/02 ug/L	12/5/02 ug/L	7/24/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-204S	6/18/02 ug/L	12/5/02 ug/L	7/24/03 ug/L
Trichloroethene	77 [A]	53 [A]	40 [A]

38024 Grantland Avenue	3/12/03 ug/L
Trichloroethene	ND (1)

37974 Grantland Avenue	6/30/03 ug/L
Trichloroethene	ND (1.0)

MW-206D	6/27/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)/ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-206S	6/26/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1.7)	ND (2.5)	ND (1)	ND (1.0)

MW-213S	6/26/02 ug/L	12/4/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	280 [A]	490 [A]	290 [A]	280 [A]

37920 Grantland Avenue	4/2/03 ug/L	7/14/03 ug/L
Trichloroethene	ND (2.0)	ND (2.5)

MW-213D	6/26/02 ug/L	12/4/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	1.2/1.2	0.61 J/0.70 J	0.84 J	0.46 J

MW-218D	6/25/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	0.17 J	ND (1.0)	ND (1)	ND (1.0)

MW-211S	6/26/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-218S	6/25/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	3.9	5.0	4.1	2.5

MW-211D	6/26/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW-302D	1/9/03 ug/L
Trichloroethene	27 [A]

MW-302S	1/9/03 ug/L	6/2/03 ug/L
Trichloroethene	530 [A]	460 [A]

MW-215S	6/24/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	89 [A]	79 [A]	87 [A]	61 [A]

MW-214S	6/20/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW-214D	6/20/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

37651 Grantland	6/30/03 ug/L
Trichloroethene	ND (1.0)

MW-304S	2/24/04 ug/L
Trichloroethene	ND (1.0)

MW-304D	2/24/04 ug/L
Trichloroethene	ND (1.0)

MW-217S	6/21/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-215D	6/24/02 ug/L	12/6/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-217D	6/21/02 ug/L	12/5/02 ug/L	7/23/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-212S	6/24/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (2.5)	ND (3.3)/ND (2.0)	1.2 J/1.1 J	1.5 J

MW-212D	6/24/02 ug/L	12/9/02 ug/L	7/22/03 ug/L	2/23/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)/ND (1.0)

MW-303S	1/20/03 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1.0)	ND (1)	ND (1.0)

MW-216S	6/24/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)/ND (1.0)	ND (1)/ND (1)	ND (1.0)

MW-216D	6/24/02 ug/L	12/6/02 ug/L	7/23/03 ug/L	2/24/04 ug/L
Trichloroethene	ND (1)	ND (1.0)	ND (1)	ND (1.0)

MW-301S	1/20/03 ug/L	7/23/03 ug/L	2/27/04 ug/L
Trichloroethene	ND (1.0)	ND (1)	ND (1.0)

37771 Amherin Road	3/12/03 ug/L
Trichloroethene	ND (1)

AOI 30 AOI 24 AOI 17 AOI 21 AOI 22 DEBRIS

MW-01 MW-01S MW-02S MW-02D MW-03S MW-03D MW-04S MW-04D MW-05S MW-05D MW-06S MW-06D MW-07S MW-07D MW-08S MW-08D MW-09S MW-09D MW-10S MW-10D MW-11S MW-11D MW-12S MW-12D MW-13S MW-13D MW-14S MW-14D MW-15S MW-15D BH1-02 BH2-02 BH3-02 BH4-02 BH5-02 BH6-02 BH7-02 BH8-02 BH9-02 BH10-02 MW-101 MW-102 MW-103S MW-103D MW-104S MW-104D MW-105S MW-105D MW-201S MW-201D MW-202S MW-202D MW-203S MW-203D MW-204S MW-204D MW-205S MW-205D MW-206S MW-206D MW-211S MW-211D MW-212S MW-212D MW-213S MW-213D MW-214S MW-214D MW-215S MW-215D MW-216S MW-216D MW-217S MW-217D MW-218S MW-218D MW-301S MW-301D MW-302S MW-302D MW-303S MW-303D MW-304S MW-304D

37771 Amherin Road (RESIDENTIAL AREA) 37794 Grantland Avenue 37920 Grantland Avenue 38024 Grantland Avenue GRANTLAND AVENUE OAKVILLE-HAMBURG

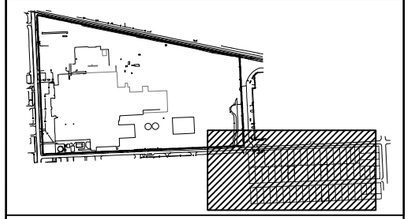
N'Q.	Revision	Date	Initial

0 100 200ft

LEGEND

- BH5-02 ■ BOREHOLE LOCATION
- MW-104S ● MONITORING WELL LOCATION
- MW-301S — SAMPLE LOCATION
- 01/20/03 — SAMPLE DATE
- ug/L — RESULT UNIT
- Trichloroethene — CHEMICAL NAME
- ND (1.0) — RESULT
- EXCEEDANCE

Chemical name	Residential Drinking Water Criteria (ug/L)
Trichloroethene	5



KEY PLAN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

13000 ECKLES ROAD
LIVONIA, MICHIGAN

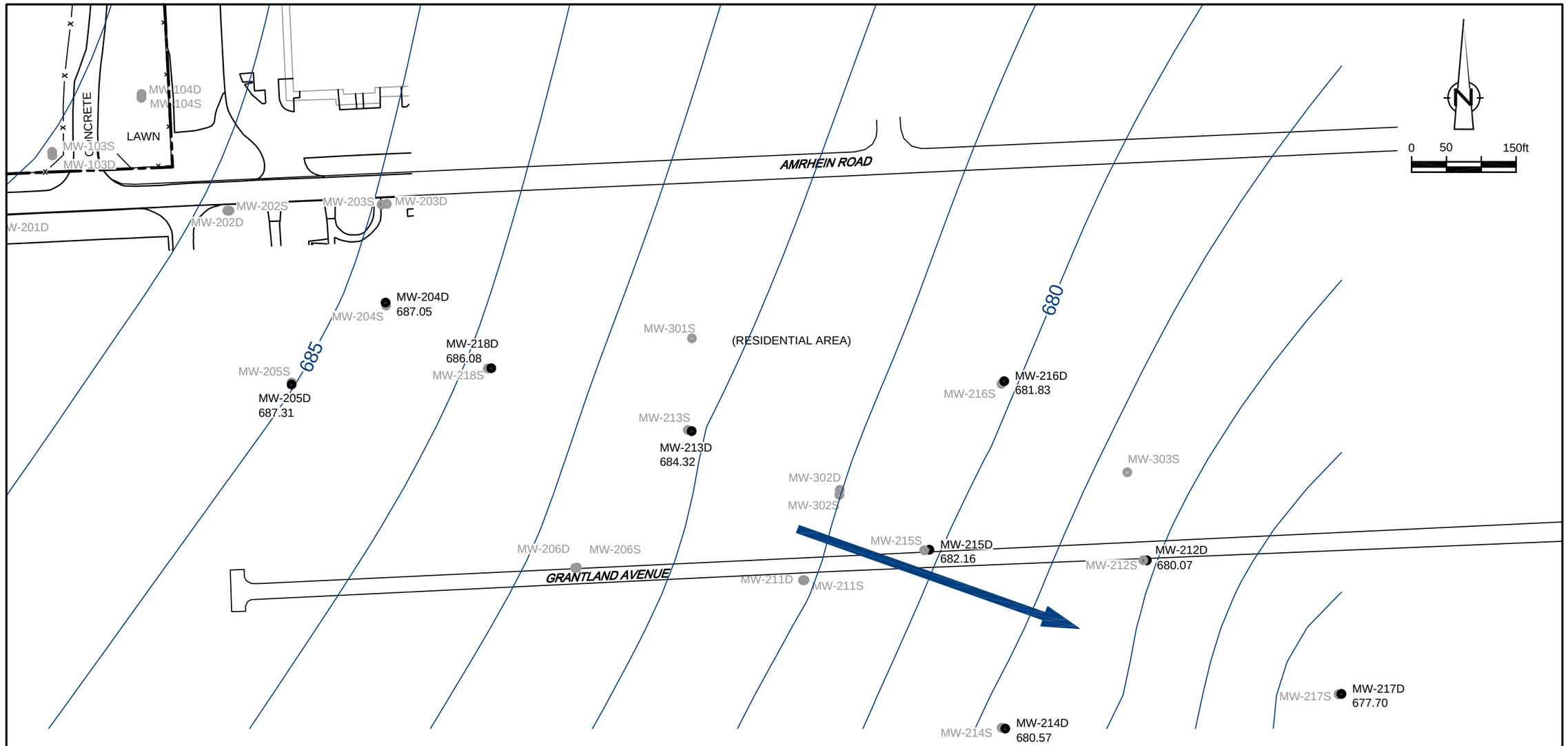
GROUNDWATER SAMPLE LOCATIONS AND DATA - AOI 31

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
M.T.	W.A.	SEPTEMBER 2004	
Scale: 1"=200'	Project N°: 12607-225	Report N°: 042	Drawing N°: figure 2.4

12607-225(042)GN-WA006 SEP 10/2004



LEGEND

- SITE BOUNDARY
- FENCE
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 685 GROUNDWATER ELEVATION CONTOUR
- MW-213S MONITORING WELL LOCATION
- 684.26 GROUNDWATER ELEVATION (feet MSL)

figure 2.5

GROUNDWATER CONTOURS - DEEP WELLS - MARCH 9, 2004
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA007 SEP 10/2004

MW2-01
MW-E-1D
MW-E-1S
MW1-01
RW-100
MW5-02
690.61
MW3-02
690.14
MW-101
MW-101
MW4-02
689.86
690
CONCRETE
MW-104D
MW-104S
MW-102
LAWN
MW-103S
689.16
MW-105D
MW-105S
MW-103D
S-5D
AMRHEIN ROAD
MW-202S
MW-203S
MW-203D
MW-202D
MW-201S
MW-201D
MW-204S
687.02
MW-204D
685
MW-301S
684.44
(RESIDENTIAL AREA)
MW-218D
MW-205S
687.30
MW-218S
686.17
MW-205D
MW-216D
MW-216S
682.04
MW-213S
684.26
MW-213D
MW-303S
680.56
MW-302D
MW-302S
MW-215S
682.23
MW-215D
MW-206D
MW-206S
MW-212S
680.10
MW-212D
GRANTLAND AVENUE
MW-211D
MW-211S
680
MW-217D
MW-217S
677.67
MW-214S
680.60
MW-214D
N
0
50
150ft

LEGEND

- SITE BOUNDARY
- FENCE
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 685 GROUNDWATER ELEVATION CONTOUR
- MW-213S MONITORING WELL LOCATION
- 684.26 GROUNDWATER ELEVATION (feet MSL)

figure 2.6

GROUNDWATER CONTOURS - SHALLOW WELLS - MARCH 9, 2004
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA008 SEP 10/2004

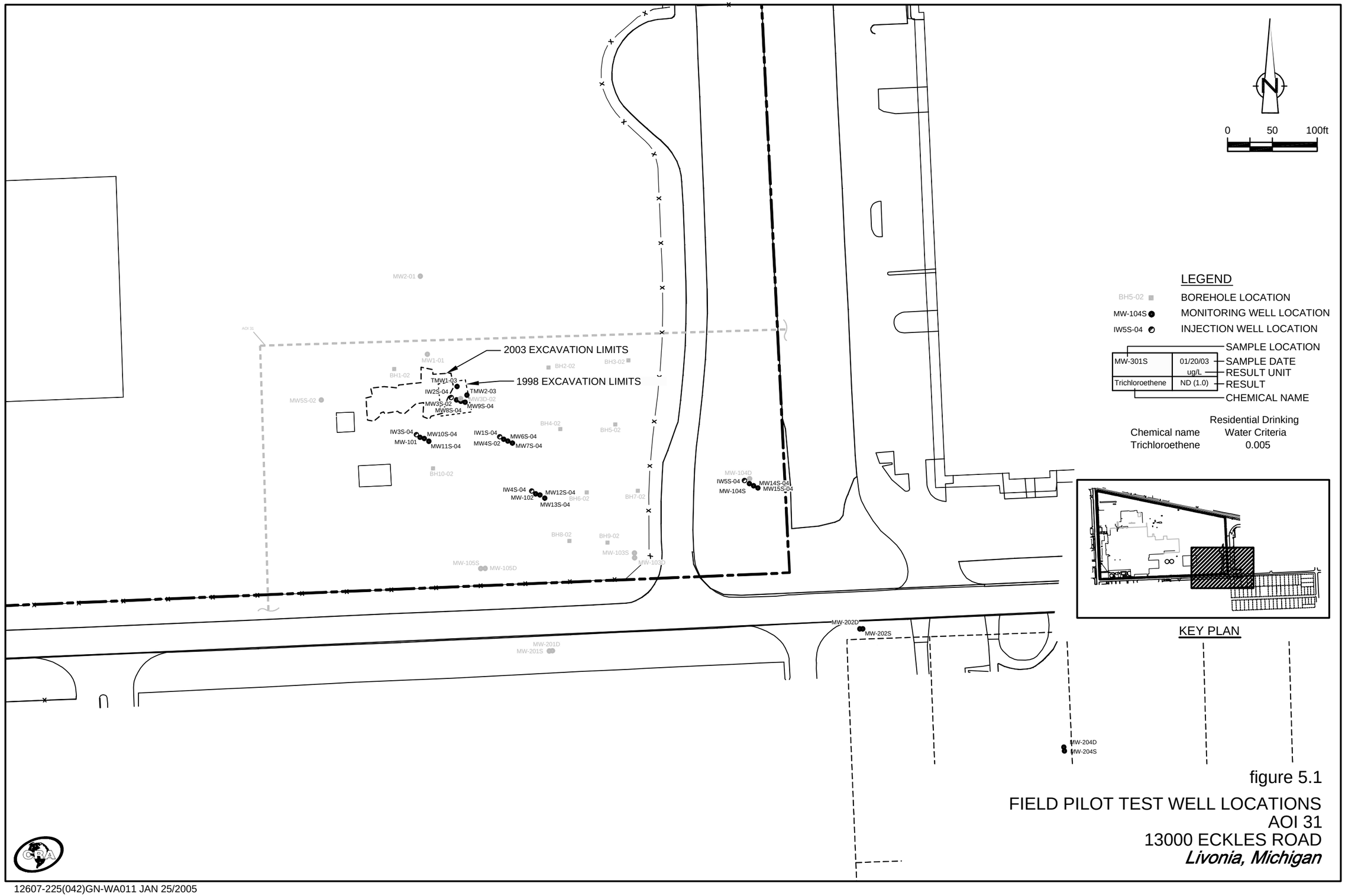


figure 5.1

FIELD PILOT TEST WELL LOCATIONS
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA011 JAN 25/2005

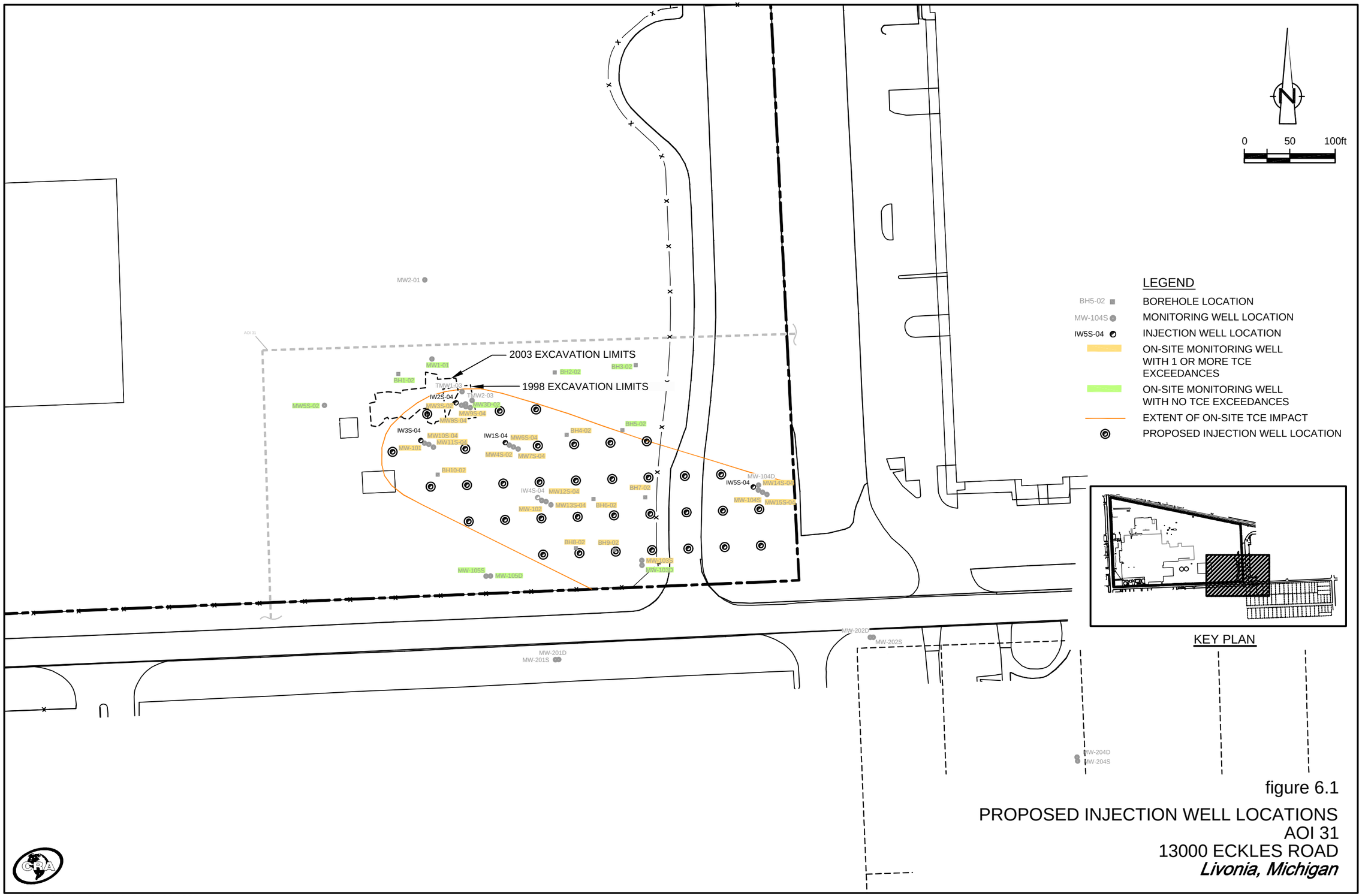


figure 6.1

PROPOSED INJECTION WELL LOCATIONS
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA012 JAN 26/2005

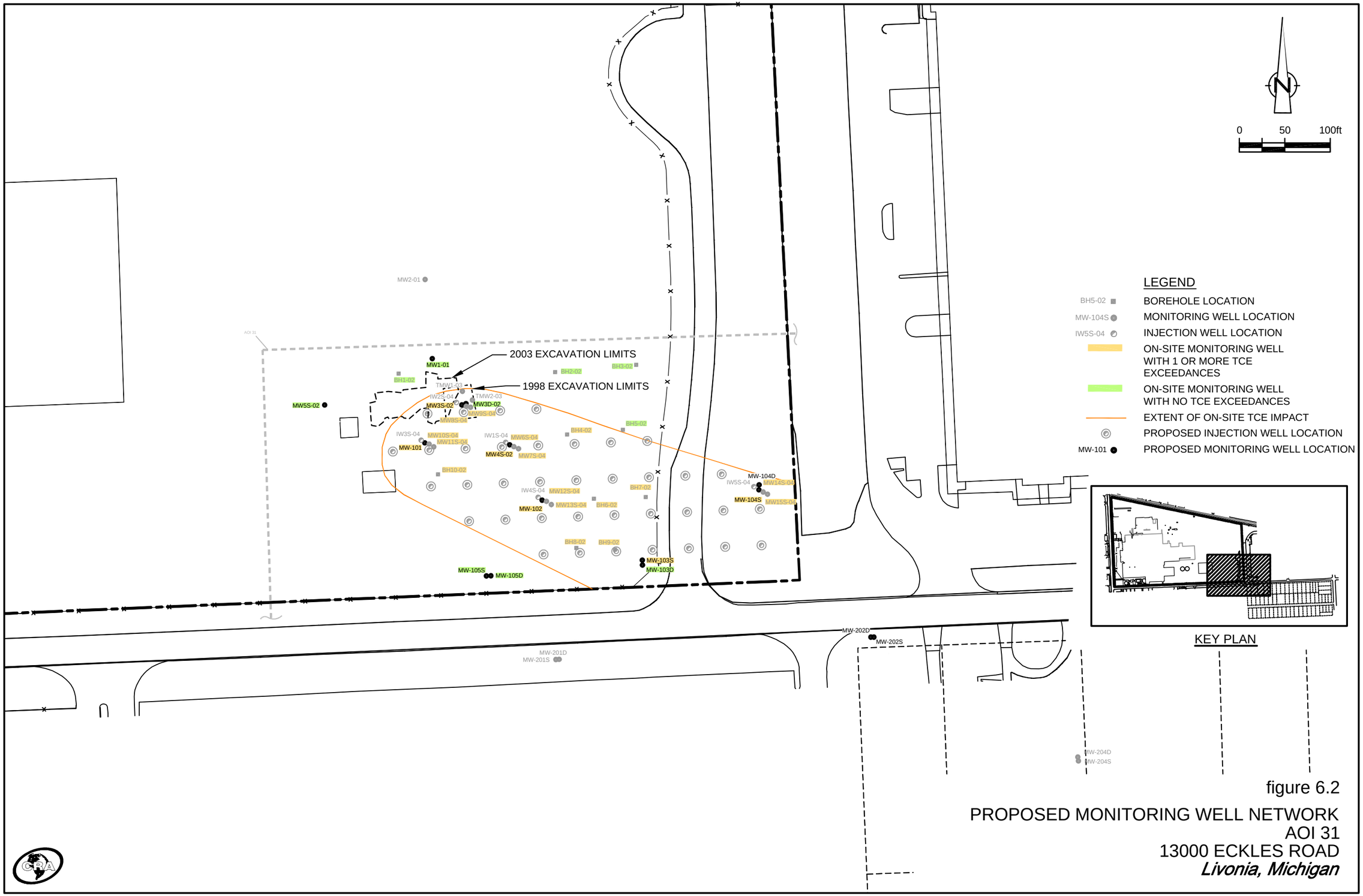
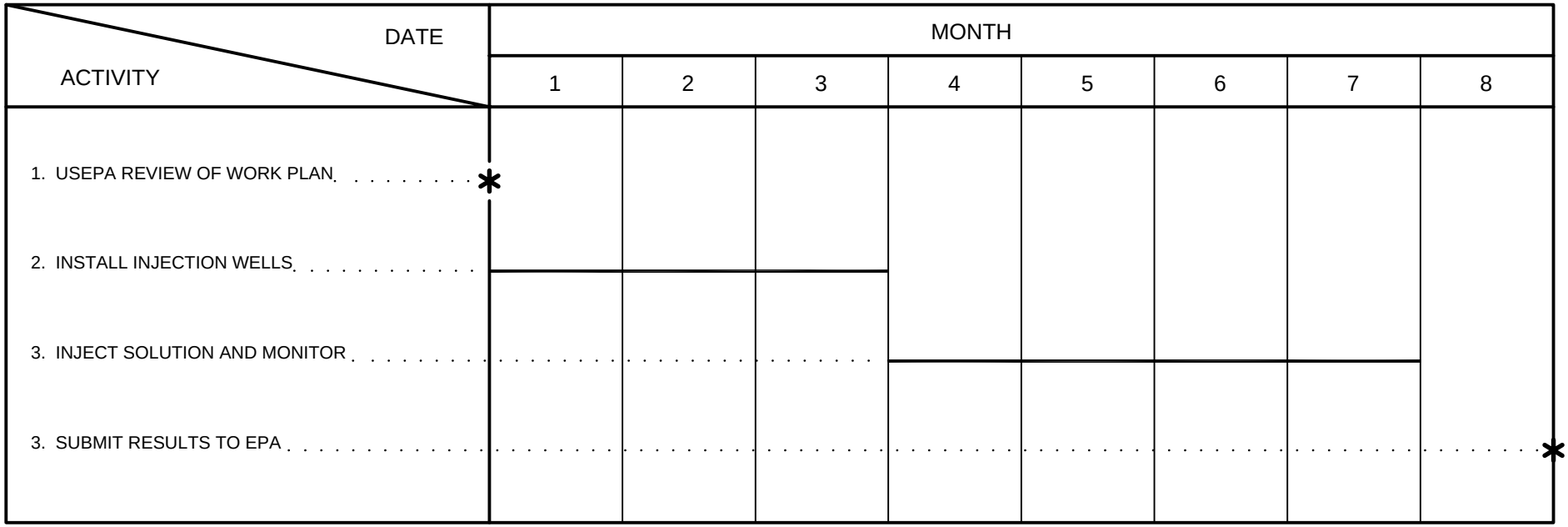


figure 6.2

PROPOSED MONITORING WELL NETWORK
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA013 JAN 25/2005



LEGEND

CONTINUOUS ACTIVITY

MILESTONE EVENT

figure 7.1

PROPOSED INTERIM MEASURE IMPLEMENTATION SCHEDULE
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA010 SEP 10/2004

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH1-02*	*BH1-02*	*BH1A-02*	*BH2-02*	*BH2-02*	*BH3-02*	*BH3-02*	*BH4-02*	*BH4-02*	*BH5-02*	*BH5-02*	*BH6-02*
Sample ID:			*S-060702-MM-010*	*S-060702-MM-011*	*S-061702-MM-064*	*S-060702-MM-012*	*S-060702-MM-013*	*S-061002-MM-014*	*S-061002-MM-015*	*S-061002-MM-019*	*S-061002-MM-020*	*S-061002-MM-022*	*S-061002-MM-023*	*S-061002-MM-025*
Sample Date:			*6/7/2002*	*6/7/2002*	*6/17/2002*	*6/7/2002*	*6/7/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*
Sample Depth:			*0-2 ft BGS*	*8.5-9.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
1,1-Dichloroethane	mg/kg	18	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
1,1-Dichloroethene	mg/kg	0.14	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.11)	ND (0.19)	-	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.16)	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.12)	ND (0.11)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (0.84)	ND (1.4)	-	ND (0.92)	ND (1)	ND (0.84)	ND (1.2)	ND (0.95)	ND (0.98)	ND (1)	ND (0.92)	ND (0.8)
Acetone	mg/kg	15	ND (0.84)	ND (1.4)	-	ND (0.92)	ND (1)	ND (0.84)	ND (1.2)	ND (0.95)	ND (0.98)	ND (1)	ND (0.92)	ND (0.8)
Benzene	mg/kg	0.1	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.28)	ND (0.47)	-	0.1 J	ND (0.33)	ND (0.28)	ND (0.4)	ND (0.32)	ND (0.33)	ND (0.34)	ND (0.31)	ND (0.27)
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.28)	ND (0.47)	-	ND (0.31)	ND (0.33)	ND (0.28)	ND (0.4)	ND (0.32)	ND (0.33)	ND (0.34)	ND (0.31)	ND (0.27)
Methyl acetate	mg/kg	-	ND (1.3)	ND (2.3)	-	ND (1.5)	ND (1.6)	ND (1.3)	ND (1.9)	ND (1.5)	ND (1.6)	ND (1.6)	ND (1.5)	ND (1.3)
Styrene	mg/kg	2.7	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
Tetrachloroethene	mg/kg	0.1	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
Toluene	mg/kg	16	0.011 J	0.022 J	-	0.013 J	0.014 J	ND (0.11)	ND (0.16) U	ND (0.13)	ND (0.13) U	ND (0.14)	ND (0.12)	ND (0.11) U
Trichloroethene	mg/kg	0.1	ND (0.056)	ND (0.094)	-	ND (0.061)	ND (0.067)	ND (0.056)	ND (0.079)	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.061)	ND (0.053)
Xylene (total)	mg/kg	5.6	ND (0.17)	0.038 J	-	ND (0.18)	ND (0.2)	ND (0.17)	0.046 J	ND (0.19)	0.054 J	ND (0.21)	ND (0.18)	ND (0.16)
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	ND (0.35)	-	ND (0.35)	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.35)	-	ND (0.35)	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.35)	-	ND (0.35)	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.35)	-	ND (0.35)	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.35)	-	ND (0.35)	-	-	-	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	95.2	97.1	93.1	95.6	95.8	96.1	96.5	96.5	96.7	97.0	95.3	96.2
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH1-02*	*BH1-02*	*BH1A-02*	*BH2-02*	*BH2-02*	*BH3-02*	*BH3-02*	*BH4-02*	*BH4-02*	*BH5-02*	*BH5-02*	*BH6-02*
Sample ID:			*S-060702-MM-010*	*S-060702-MM-011*	*S-061702-MM-064*	*S-060702-MM-012*	*S-060702-MM-013*	*S-061002-MM-014*	*S-061002-MM-015*	*S-061002-MM-019*	*S-061002-MM-020*	*S-061002-MM-022*	*S-061002-MM-023*	*S-061002-MM-025*
Sample Date:			*6/7/2002*	*6/7/2002*	*6/17/2002*	*6/7/2002*	*6/7/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*
Sample Depth:			*0-2 ft BGS*	*8.5-9.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimated.
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH6-02*	*BH7-02*	*BH7-02*	*BH8-02*	*BH8-02*	*BH9-02*	*BH9-02*	*BH10-02*	*BH10-02*	*BH10-02*	*BH10-02*	*BH11-02*
Sample ID:			*S-061002-MM-026*	*S-061002-MM-028*	*S-061002-MM-029*	*S-061002-MM-031*	*S-061002-MM-032*	*S-061102-MM-034*	*S-061102-MM-035*	*S-061102-MM-037*	*S-061102-MM-038*	*S-061102-MM-045*	*S-061102-MM-046*	*S-061702-MM-066*
Sample Date:			*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/17/2002*
Sample Depth:			*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS Dupl.*	*8-10 ft BGS*	*8-10 ft BGS Dupl.*	*0-2 ft BGS*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	ND (0.062)	ND (0.07)	ND (0.056)	ND (0.052)	ND (0.06)	ND (0.054)	ND (0.052)	ND (0.051)	ND (0.086)	0.011 J	0.015 J	ND (0.069)
1,1-Dichloroethane	mg/kg	18	ND (0.062)	ND (0.07)	ND (0.056)	ND (0.052)	ND (0.06)	ND (0.054)	ND (0.052)	ND (0.051)	ND (0.086)	ND (0.054)	ND (0.073)	ND (0.069)
1,1-Dichloroethene	mg/kg	0.14	ND (0.062)	ND (0.07)	ND (0.056)	ND (0.052)	ND (0.06)	ND (0.054)	ND (0.052)	ND (0.051)	ND (0.086)	ND (0.054)	ND (0.073)	ND (0.069)
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.12)	ND (0.14)	ND (0.11)	0.028 J	0.036 J	0.023 J	0.018 J	0.018 J	0.029 J	0.023 J	0.03 J	ND (0.14)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (0.93)	ND (1)	ND (0.84)	ND (0.79)	ND (0.9)	ND (0.81)	ND (0.78)	ND (0.77)	ND (1.3)	ND (0.81)	ND (1.1)	ND (1)
Acetone	mg/kg	15	ND (0.93)	ND (1)	ND (0.84)	0.37 J	0.4 J	0.3 J	0.33 J	0.29 J	0.56 J	0.39 J	0.41 J	ND (1) U
Benzene	mg/kg	0.1	ND (0.062)	ND (0.07)	ND (0.056)	0.018 J	ND (0.06)	ND (0.054)	ND (0.052)	0.017 J	ND (0.086)	ND (0.054)	ND (0.073)	ND (0.069)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.31)	ND (0.35)	ND (0.28)	ND (0.26)	ND (0.3)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.43)	ND (0.27)	ND (0.36)	ND (0.34) UJ
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.31)	ND (0.35)	ND (0.28)	ND (0.26)	ND (0.3)	0.025 J	ND (0.26)	ND (0.26)	0.046 J	ND (0.27)	0.035 J	ND (0.34)
Methyl acetate	mg/kg	-	ND (1.5)	ND (1.7)	ND (1.3)	ND (1.3)	ND (1.4)	ND (1.3)	ND (1.3)	ND (1.2)	ND (2.1)	ND (1.3)	ND (1.7)	ND (1.7)
Styrene	mg/kg	2.7	ND (0.062)	ND (0.07)	ND (0.056)	0.029 J	ND (0.06)	ND (0.054)	ND (0.052)	0.028 J	0.048 J	0.029 J	ND (0.073)	ND (0.069)
Tetrachloroethene	mg/kg	0.1	ND (0.062)	ND (0.07)	ND (0.056)	ND (0.052)	ND (0.06)	ND (0.054)	ND (0.052)	ND (0.051)	ND (0.086)	ND (0.054)	ND (0.073)	ND (0.069)
Toluene	mg/kg	16	ND (0.12) U	ND (0.14)	ND (0.11)	ND (0.1) U	ND (0.12) U	ND (0.11) U	ND (0.1) U	ND (0.1) U	ND (0.17) U	ND (0.11) U	ND (0.15) U	ND (0.14) U
Trichloroethene	mg/kg	0.1	0.023 J	ND (0.07)	0.021 J	ND (0.052)	ND (0.06)	ND (0.054)	ND (0.052)	ND (0.051)	ND (0.086)	0.024 J	0.037 J	0.055 J
Xylene (total)	mg/kg	5.6	ND (0.19)	ND (0.21)	ND (0.17)	ND (0.16)	ND (0.18)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.26)	ND (0.16)	ND (0.22)	0.059 J
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (1.7)
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (68)
Aroclor-1248 (PCB-1248)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	72
Aroclor-1254 (PCB-1254)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (68)
Aroclor-1260 (PCB-1260)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	ND (68)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	96.7	95.7	95.9	96.3	95.2	96.6	93.7	95.3	97.2	92.1	93.1	97.2
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH6-02*	*BH7-02*	*BH7-02*	*BH8-02*	*BH8-02*	*BH9-02*	*BH9-02*	*BH10-02*	*BH10-02*	*BH10-02*	*BH10-02*	*BH11-02*
Sample ID:			*S-061002-MM-026*	*S-061002-MM-028*	*S-061002-MM-029*	*S-061002-MM-031*	*S-061002-MM-032*	*S-061102-MM-034*	*S-061102-MM-035*	*S-061102-MM-037*	*S-061102-MM-038*	*S-061102-MM-045*	*S-061102-MM-046*	*S-061702-MM-066*
Sample Date:			*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/17/2002*
Sample Depth:			*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
											Dupl.		*Dupl.*	
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH11-02*	*BH11-02*	*BH11-02*	*BH12-02*	*BH12-02*	*BH13-02*	*BH13-02*	*BH14-02*	*BH14-02*	*BH14A-02*	*BH15-02*	*BH15-02*
Sample ID:			*S-061702-MM-068*	*S-061702-MM-067*	*S-061702-MM-069*	*S-061702-MM-070*	*S-061702-MM-071*	*S-061702-MM-072*	*S-061702-MM-073*	*S-061702-MM-074*	*S-061702-MM-075*	*S-062102-MM-095*	*S-082002-MM-154*	*S-082002-MM-155*
Sample Date:			*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/21/2002*	*8/20/2002*	*8/20/2002*
Sample Depth:			*0-2 ft BGS*	*1.5-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
			Dupl.											
Parameters	*Units*													
Volatiles		*Residential Drinking Water Protection Criteria*												
1,1,1-Trichloroethane	mg/kg	4	ND (0.081)	0.22	0.2	ND (0.058)	0.23	0.014 J	0.11	ND (0.074)	-	0.049 J	0.43	ND (0.082)
1,1-Dichloroethane	mg/kg	18	ND (0.081)	ND (0.061)	ND (0.055)	ND (0.058)	ND (0.06)	ND (0.064)	ND (0.062)	ND (0.074)	-	ND (0.054)	ND (0.09)	ND (0.082)
1,1-Dichloroethene	mg/kg	0.14	ND (0.081)	ND (0.061)	ND (0.055)	ND (0.058)	ND (0.06)	ND (0.064)	ND (0.062)	ND (0.074)	-	ND (0.054)	ND (0.09)	ND (0.082)
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.16)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.15)	-	ND (0.11)	ND (0.18)	ND (0.16)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (1.2)	0.099 J	ND (0.83)	ND (0.87)	ND (0.9)	ND (0.96)	ND (0.93)	ND (1.1)	-	ND (0.8)	ND (1.3) UJ	ND (1.2) UJ
Acetone	mg/kg	15	ND (1.2) U	ND (0.92) U	ND (0.83) U	ND (0.87) U	ND (0.9) U	ND (0.96) U	ND (0.93) U	ND (1.1) U	-	0.36 J	0.47 J	0.2 J
Benzene	mg/kg	0.1	ND (0.081)	ND (0.061)	ND (0.055)	ND (0.058)	ND (0.06)	ND (0.064)	ND (0.062)	ND (0.074)	-	ND (0.054)	ND (0.09)	ND (0.082)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.4) UJ	ND (0.31) UJ	ND (0.28) UJ	ND (0.29) UJ	ND (0.3) UJ	ND (0.32) UJ	ND (0.31) UJ	ND (0.37) UJ	-	ND (0.27) UJ	ND (0.45)	ND (0.41)
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.4)	ND (0.31)	ND (0.28)	ND (0.29)	ND (0.3)	ND (0.32)	ND (0.31)	ND (0.37)	-	ND (0.27) U	ND (0.45)	ND (0.41)
Methyl acetate	mg/kg	-	ND (1.9)	ND (1.5)	ND (1.3)	0.077 J	ND (1.4)	0.3 J	ND (1.5)	ND (1.8)	-	ND (1.3)	ND (2.1)	ND (2)
Styrene	mg/kg	2.7	ND (0.081)	ND (0.061)	ND (0.055)	ND (0.058)	ND (0.06)	ND (0.064)	ND (0.062)	ND (0.074)	-	ND (0.054)	ND (0.09)	ND (0.082)
Tetrachloroethene	mg/kg	0.1	ND (0.081)	ND (0.061)	0.017 J	ND (0.058)	ND (0.06)	ND (0.064)	ND (0.062)	ND (0.074)	-	ND (0.054)	ND (0.09)	ND (0.082)
Toluene	mg/kg	16	ND (0.16) U	ND (0.12) U	ND (0.11)	ND (0.12) U	ND (0.12) U	ND (0.13) U	ND (0.12)	ND (0.15) U	-	0.012 J	ND (0.18)	ND (0.16)
Trichloroethene	mg/kg	0.1	0.039 J	*0.99*	*1.7*	0.032 J	*0.87*	0.049 J	*0.67*	ND (0.074)	-	*0.15*	*2*	0.036 J
Xylene (total)	mg/kg	5.6	ND (0.24)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.18)	0.024 J	ND (0.19)	ND (0.22)	-	ND (0.16) U	ND (0.27)	ND (0.25)
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	ND (1.7)	0.06 J	ND (3.5)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (17)	ND (0.35)	ND (0.7)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	-	ND (1.7)	ND (0.34)
Aroclor-1248 (PCB-1248)	mg/kg	-	110	ND (0.35)	3.9	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	-	17	ND (0.34)
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (17)	ND (0.35)	ND (0.7)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	-	ND (1.7)	ND (0.34)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (17)	ND (0.35)	ND (0.7)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	-	ND (1.7)	ND (0.34)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	96.1	94.7	93.9	95.9	94.0	95.8	94.9	96.0	95.2	93.4	95.5	96.1
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH11-02*	*BH11-02*	*BH11-02*	*BH12-02*	*BH12-02*	*BH13-02*	*BH13-02*	*BH14-02*	*BH14-02*	*BH14A-02*	*BH15-02*	*BH15-02*
Sample ID:			*S-061702-MM-068*	*S-061702-MM-067*	*S-061702-MM-069*	*S-061702-MM-070*	*S-061702-MM-071*	*S-061702-MM-072*	*S-061702-MM-073*	*S-061702-MM-074*	*S-061702-MM-075*	*S-062102-MM-095*	*S-082002-MM-154*	*S-082002-MM-155*
Sample Date:			*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/17/2002*	*6/21/2002*	*8/20/2002*	*8/20/2002*
Sample Depth:			*0-2 ft BGS*	*1.5-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
			Dupl.											
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH16-02*	*BH16-02*	*BH16-02*	*BH17-02*	*BH17-02*	*BH18-02*	*BH18-02*	*BH18-02*	*BH19-02*	*BH19-02*	*BH20-02*	*BH20-02*
Sample ID:			*S-082002-MM-160*	*S-082002-MM-161*	*S-082002-MM-162*	*S-082002-MM-156*	*S-082002-MM-157*	*S-082002-MM-151*	*S-082002-MM-152*	*S-082002-MM-153*	*S-082002-MM-165*	*S-082002-MM-166*	*S-081902-MM-138*	*S-081902-MM-140*
Sample Date:			*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/19/2002*	*8/19/2002*
Sample Depth:			*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
				Dupl.					*Dupl.*					*Dupl.*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	*5.9*	*7.5*	0.46	0.046 J	ND (0.11)	ND (0.077)	ND (0.083)	0.045 J	ND (0.1)	ND (0.082)	0.029 J	0.047 J
1,1-Dichloroethane	mg/kg	18	2.7	3.4	ND (0.076)	ND (0.11)	ND (0.11)	ND (0.077)	ND (0.083)	ND (0.087)	ND (0.1)	ND (0.082)	ND (0.089) UJ	ND (0.091)
1,1-Dichloroethene	mg/kg	0.14	ND (1.8)	ND (1.8)	0.029 J	ND (0.11)	ND (0.11)	ND (0.077)	ND (0.083)	ND (0.087)	ND (0.1)	ND (0.082)	ND (0.089) UJ	ND (0.091)
1,4-Dichlorobenzene	mg/kg	1.7	ND (3.6)	ND (3.6)	ND (0.15)	ND (0.23)	ND (0.22)	ND (0.15)	ND (0.17)	ND (0.17)	ND (0.2)	ND (0.16)	ND (0.18) UJ	ND (0.18)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (27) UJ	ND (27) UJ	ND (1.1) UJ	ND (1.7) UJ	ND (1.7) UJ	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.5) UJ	ND (1.2) UJ	ND (1.3) UJ	ND (1.4)
Acetone	mg/kg	15	ND (27) UJ	ND (27) UJ	0.35 J	0.29 J	0.49 J	ND (1.2)	ND (1.2)	ND (1.3)	0.47 J	0.41 J	0.17 J	ND (1.4)
Benzene	mg/kg	0.1	ND (1.8)	ND (1.8)	ND (0.076)	ND (0.11)	ND (0.11)	ND (0.077)	ND (0.083)	ND (0.087)	ND (0.1)	ND (0.082)	ND (0.089) UJ	ND (0.091)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (9.1)	ND (9.1)	ND (0.38)	ND (0.57)	ND (0.55)	ND (0.39) UJ	ND (0.41) UJ	ND (0.44) UJ	ND (0.5)	ND (0.41)	ND (0.44) UJ	ND (0.45) UJ
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (9.1)	ND (9.1)	ND (0.38)	ND (0.57)	ND (0.55)	ND (0.39)	ND (0.41)	ND (0.44)	ND (0.5)	ND (0.41)	ND (0.44) UJ	ND (0.45)
Methyl acetate	mg/kg	-	ND (43)	ND (44)	ND (1.8)	ND (2.7)	ND (2.6)	ND (1.9)	ND (2)	ND (2.1)	ND (2.4)	ND (2)	ND (2.1) UJ	ND (2.2)
Styrene	mg/kg	2.7	ND (1.8)	ND (1.8)	ND (0.076)	ND (0.11)	ND (0.11)	ND (0.077)	ND (0.083)	ND (0.087)	ND (0.1)	ND (0.082)	ND (0.089) UJ	ND (0.091)
Tetrachloroethene	mg/kg	0.1	ND (1.8)	ND (1.8)	ND (0.076)	ND (0.11)	ND (0.11)	ND (0.077)	ND (0.083)	ND (0.087)	ND (0.1)	ND (0.082)	ND (0.089) UJ	ND (0.091)
Toluene	mg/kg	16	ND (3.6)	ND (3.6)	ND (0.15)	ND (0.23)	ND (0.22)	ND (0.15)	ND (0.17)	ND (0.17)	ND (0.2)	ND (0.16)	ND (0.18) UJ	ND (0.18)
Trichloroethene	mg/kg	0.1	*55*	*62*	*2.5*	*0.12*	ND (0.11)	ND (0.077)	ND (0.083)	*0.11*	0.035 J	ND (0.082)	0.031 J	ND (0.091)
Xylene (total)	mg/kg	5.6	ND (5.4)	ND (5.5)	ND (0.23)	ND (0.34)	ND (0.33)	ND (0.23)	ND (0.25)	ND (0.26)	ND (0.3)	ND (0.25)	ND (0.27) UJ	ND (0.27)
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (69)	ND (69)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.68)	ND (0.34)	ND (68)	ND (6.9)
Aroclor-1248 (PCB-1248)	mg/kg	-	79	100	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.34)	ND (0.35)	4.6	ND (0.34)	78	62
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (69)	ND (69)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.68)	ND (0.34)	ND (68)	ND (6.9)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (69)	ND (69)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.68)	ND (0.34)	ND (68)	ND (6.9)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	95.9	95.5	94.6	96.6	92.9	95.8	95.7	93.5	97.5	97.9	96.6	96.3
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH16-02*	*BH16-02*	*BH16-02*	*BH17-02*	*BH17-02*	*BH18-02*	*BH18-02*	*BH18-02*	*BH19-02*	*BH19-02*	*BH20-02*	*BH20-02*
Sample ID:			*S-082002-MM-160*	*S-082002-MM-161*	*S-082002-MM-162*	*S-082002-MM-156*	*S-082002-MM-157*	*S-082002-MM-151*	*S-082002-MM-152*	*S-082002-MM-153*	*S-082002-MM-165*	*S-082002-MM-166*	*S-081902-MM-138*	*S-081902-MM-140*
Sample Date:			*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/19/2002*	*8/19/2002*
Sample Depth:			*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
				Dupl.					*Dupl.*					*Dupl.*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH20-02*	*BH21-02*	*BH21-02*	*BH22-02*	*BH22-02*	*BH23-02*	*BH23-02*	*BH24-02*	*BH24-02*	*BH25-02*	*BH25-02*	*BH26-02*
Sample ID:			*S-081902-MM-139*	*S-081902-MM-143*	*S-081902-MM-144*	*S-081902-MM-145*	*S-081902-MM-146*	*S-081902-MM-147*	*S-081902-MM-148*	*S-081902-MM-130*	*S-081902-MM-131*	*S-081902-MM-141*	*S-081902-MM-142*	*S-081902-MM-132*
Sample Date:			*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*
Sample Depth:			*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Volatiles		*Residential Drinking Water Protection Criteria*												
1,1,1-Trichloroethane	mg/kg	4	0.059 J	ND (0.073)	0.02 J	ND (0.079)	ND (0.13)	ND (0.11)	ND (0.079)	ND (0.055)	0.085	ND (0.082)	0.016 J	ND (0.064)
1,1-Dichloroethane	mg/kg	18	ND (0.073)	ND (0.073)	ND (0.061)	ND (0.079)	ND (0.13)	ND (0.11)	ND (0.079)	ND (0.055)	ND (0.064)	ND (0.082)	ND (0.075)	ND (0.064)
1,1-Dichloroethene	mg/kg	0.14	ND (0.073)	ND (0.073)	ND (0.061)	ND (0.079)	ND (0.13)	ND (0.11)	ND (0.079)	ND (0.055)	ND (0.064)	ND (0.082)	ND (0.075)	ND (0.064)
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.15)	ND (0.15)	ND (0.12)	ND (0.16)	ND (0.26)	ND (0.23)	ND (0.16)	ND (0.11)	ND (0.13)	ND (0.16)	ND (0.15)	ND (0.13)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (1.1)	ND (1.1)	ND (0.92)	ND (1.2)	ND (2)	ND (1.7)	ND (1.2)	ND (0.83)	ND (0.96)	ND (1.2)	ND (1.1)	ND (0.97)
Acetone	mg/kg	15	0.3 J	0.33 J	0.3 J	0.42 J	ND (2)	ND (1.7)	ND (1.2)	ND (0.83)	ND (0.96)	0.17 J	0.17 J	ND (0.97)
Benzene	mg/kg	0.1	ND (0.073)	ND (0.073)	ND (0.061)	ND (0.079)	ND (0.13)	ND (0.11)	ND (0.079)	ND (0.055)	ND (0.064)	ND (0.082)	ND (0.075)	ND (0.064)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.36) UJ	ND (0.37) UJ	ND (0.31) UJ	ND (0.4)	ND (0.65)	ND (0.57)	ND (0.4)	ND (0.28)	ND (0.32)	ND (0.41) UJ	ND (0.37) UJ	ND (0.32)
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.36)	ND (0.37)	ND (0.31)	ND (0.4)	ND (0.65)	ND (0.57)	ND (0.4)	ND (0.28)	ND (0.32)	ND (0.41)	ND (0.37)	ND (0.32)
Methyl acetate	mg/kg	-	ND (1.7)	ND (1.8)	ND (1.5)	ND (1.9)	ND (3.1)	ND (2.8)	ND (1.9)	ND (1.3)	ND (1.5)	ND (2)	ND (1.8)	ND (1.5)
Styrene	mg/kg	2.7	ND (0.073)	ND (0.073)	ND (0.061)	ND (0.079)	ND (0.13)	ND (0.11)	ND (0.079)	ND (0.055)	ND (0.064)	ND (0.082)	ND (0.075)	ND (0.064)
Tetrachloroethene	mg/kg	0.1	ND (0.073)	ND (0.073)	ND (0.061)	ND (0.079)	ND (0.13)	ND (0.11)	ND (0.079)	ND (0.055)	ND (0.064)	ND (0.082)	ND (0.075)	ND (0.064)
Toluene	mg/kg	16	ND (0.15)	ND (0.15)	ND (0.12)	ND (0.16)	ND (0.26)	ND (0.23)	ND (0.16)	ND (0.11)	ND (0.13)	ND (0.16)	ND (0.15)	ND (0.13)
Trichloroethene	mg/kg	0.1	0.088	ND (0.073)	0.087	ND (0.079)	ND (0.13)	ND (0.11)	0.035 J	0.055	***0.34***	ND (0.082)	0.067 J	ND (0.064)
Xylene (total)	mg/kg	5.6	ND (0.22)	ND (0.22)	ND (0.18)	ND (0.24)	ND (0.39)	ND (0.34)	ND (0.24)	ND (0.17)	ND (0.19)	ND (0.24)	ND (0.22)	ND (0.19)
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (3.4)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (3.4)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (3.4)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (3.4)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	94.2	97.0	96.7	97.9	96.7	97.1	97.3	95.3	97.4	97.4	94.1	95.6
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH20-02*	*BH21-02*	*BH21-02*	*BH22-02*	*BH22-02*	*BH23-02*	*BH23-02*	*BH24-02*	*BH24-02*	*BH25-02*	*BH25-02*	*BH26-02*
Sample ID:			*S-081902-MM-139*	*S-081902-MM-143*	*S-081902-MM-144*	*S-081902-MM-145*	*S-081902-MM-146*	*S-081902-MM-147*	*S-081902-MM-148*	*S-081902-MM-130*	*S-081902-MM-131*	*S-081902-MM-141*	*S-081902-MM-142*	*S-081902-MM-132*
Sample Date:			*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*
Sample Depth:			*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH26-02*	*BH27-02*	*BH27-02*	*BH28-02*	*BH28-02*	*BH28-02*	*BH29-02*	*BH29-02*	*BH30-02*	*BH30-02*	*BH31-02*	*BH31-02*
Sample ID:			*S-081902-MM-133*	*S-081902-MM-128*	*S-081902-MM-129*	*S-081902-MM-125*	*S-081902-MM-126*	*S-081902-MM-127*	*S-081902-MM-134*	*S-081902-MM-135*	*S-081902-MM-136*	*S-081902-MM-137*	*S-082002-MM-167*	*S-082002-MM-168*
Sample Date:			*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/20/2002*	*8/20/2002*
Sample Depth:			*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
							Dupl.							
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	ND (0.081)	ND (0.072)	0.034 J	ND (0.061)	ND (0.057)	ND (0.062)	ND (0.093)	0.074 J	ND (0.098)	ND (0.075)	ND (0.11)	ND (0.097)
1,1-Dichloroethane	mg/kg	18	ND (0.081)	ND (0.072)	ND (0.063)	ND (0.061)	ND (0.057)	ND (0.062)	ND (0.093)	ND (0.079)	ND (0.098)	ND (0.075)	ND (0.11)	ND (0.097)
1,1-Dichloroethene	mg/kg	0.14	ND (0.081)	ND (0.072)	ND (0.063)	ND (0.061)	ND (0.057)	ND (0.062)	ND (0.093)	ND (0.079)	ND (0.098)	ND (0.075)	ND (0.11)	ND (0.097)
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.16)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.19)	ND (0.16)	ND (0.2)	ND (0.15)	ND (0.23)	ND (0.19)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (1.2)	ND (1.1)	ND (0.94)	ND (0.91)	ND (0.86)	ND (0.92)	ND (1.4)	ND (1.2)	ND (1.5)	ND (1.1)	ND (1.7) UJ	ND (1.5) UJ
Acetone	mg/kg	15	ND (1.2)	ND (1.1)	ND (0.94)	ND (0.91)	ND (0.86)	ND (0.92)	ND (1.4)	ND (1.2)	0.58 J	0.43 J	0.47 J	0.55 J
Benzene	mg/kg	0.1	ND (0.081)	ND (0.072)	ND (0.063)	ND (0.061)	ND (0.057)	ND (0.062)	ND (0.093)	ND (0.079)	ND (0.098)	ND (0.075)	ND (0.11)	ND (0.097)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.41)	ND (0.36)	ND (0.31)	ND (0.3)	ND (0.29)	ND (0.31)	ND (0.47)	ND (0.4)	ND (0.49) UJ	ND (0.38) UJ	ND (0.56)	ND (0.49)
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.41)	ND (0.36)	ND (0.31)	ND (0.3)	ND (0.29)	ND (0.31)	ND (0.47)	ND (0.4)	ND (0.49)	ND (0.38)	ND (0.56)	ND (0.49)
Methyl acetate	mg/kg	-	ND (2)	ND (1.7)	ND (1.5)	ND (1.5)	ND (1.4)	ND (1.5)	ND (2.2)	ND (1.9)	ND (2.4)	ND (1.8)	0.11 J	ND (2.3)
Styrene	mg/kg	2.7	ND (0.081)	ND (0.072)	ND (0.063)	ND (0.061)	ND (0.057)	ND (0.062)	ND (0.093)	ND (0.079)	ND (0.098)	ND (0.075)	ND (0.11)	ND (0.097)
Tetrachloroethene	mg/kg	0.1	ND (0.081)	ND (0.072)	ND (0.063)	ND (0.061)	ND (0.057)	ND (0.062)	ND (0.093)	ND (0.079)	ND (0.098)	ND (0.075)	ND (0.11)	ND (0.097)
Toluene	mg/kg	16	ND (0.16)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.19)	ND (0.16)	ND (0.2)	ND (0.15)	ND (0.23)	ND (0.19)
Trichloroethene	mg/kg	0.1	ND (0.081)	ND (0.072)	*0.15*	ND (0.061)	ND (0.057)	0.081	ND (0.093)	*0.28*	ND (0.098)	0.051 J	ND (0.11)	ND (0.097)
Xylene (total)	mg/kg	5.6	ND (0.24)	ND (0.21)	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.28)	ND (0.24)	ND (0.3)	ND (0.23)	ND (0.34)	ND (0.29)
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	-	-
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	-	-
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	-	-
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	-	-
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	94.0	95.0	96.5	94.2	94.1	95.8	95.0	97.5	97.6	97.1	97.3	95.1
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH26-02*	*BH27-02*	*BH27-02*	*BH28-02*	*BH28-02*	*BH28-02*	*BH29-02*	*BH29-02*	*BH30-02*	*BH30-02*	*BH31-02*	*BH31-02*
Sample ID:			*S-081902-MM-133*	*S-081902-MM-128*	*S-081902-MM-129*	*S-081902-MM-125*	*S-081902-MM-126*	*S-081902-MM-127*	*S-081902-MM-134*	*S-081902-MM-135*	*S-081902-MM-136*	*S-081902-MM-137*	*S-082002-MM-167*	*S-082002-MM-168*
Sample Date:			*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/19/2002*	*8/20/2002*	*8/20/2002*
Sample Depth:			*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
							Dupl.							
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH32-02*	*BH32-02*	*BH33-02*	*BH33-02*	*BH34-02*	*BH34-02*	*BH35-02*	*BH35-02*	*BH35-02*	*BH35-02*	*BH36-02*	*BH36-02*
Sample ID:			*S-082002-MM-169*	*S-082002-MM-170*	*S-082002-MM-171*	*S-082002-MM-172*	*S-120302-MM-525*	*S-120302-MM-526*	*S-120202-MM-506*	*S-120202-MM-507*	*S-120202-MM-508*	*S-120202-MM-509*	*S-120202-MM-510*	*S-120202-MM-511*
Sample Date:			*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*12/3/2002*	*12/3/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*
Sample Depth:			*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058) UJ	ND (0.061) UJ	ND (0.067) UJ	ND (0.083) UJ	-	-
1,1-Dichloroethane	mg/kg	18	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058)	ND (0.061)	ND (0.067)	ND (0.083)	-	-
1,1-Dichloroethene	mg/kg	0.14	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058)	ND (0.061)	ND (0.067)	ND (0.083)	-	-
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.28)	ND (0.17)	ND (0.18)	ND (0.19)	-	-	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.17)	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (2.1) UJ	ND (1.3) UJ	ND (1.4) UJ	ND (1.4) UJ	-	-	ND (0.87) UJ	ND (0.91) UJ	ND (1) UJ	ND (1.2) UJ	-	-
Acetone	mg/kg	15	0.76 J	0.37 J	0.45 J	0.48 J	-	-	ND (0.87) UJ	ND (0.91) UJ	ND (1) UJ	ND (1.2) UJ	-	-
Benzene	mg/kg	0.1	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058)	ND (0.061)	ND (0.067)	ND (0.083)	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.7)	ND (0.43)	ND (0.46)	ND (0.48)	-	-	ND (0.29)	ND (0.3)	ND (0.33)	ND (0.41)	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.7)	ND (0.43)	ND (0.46)	ND (0.48)	-	-	ND (0.29)	ND (0.3)	ND (0.33)	ND (0.41)	-	-
Methyl acetate	mg/kg	-	ND (3.4)	ND (2.1)	0.084 J	ND (2.3)	-	-	ND (1.4)	ND (1.5)	ND (1.6)	ND (2)	-	-
Styrene	mg/kg	2.7	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058)	ND (0.061)	ND (0.067)	ND (0.083)	-	-
Tetrachloroethene	mg/kg	0.1	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058)	ND (0.061)	ND (0.067)	ND (0.083)	-	-
Toluene	mg/kg	16	ND (0.28)	ND (0.17)	ND (0.18)	ND (0.19)	-	-	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.17)	-	-
Trichloroethene	mg/kg	0.1	ND (0.14)	ND (0.085)	ND (0.091)	ND (0.095)	-	-	ND (0.058)	ND (0.061)	ND (0.067)	ND (0.083)	-	-
Xylene (total)	mg/kg	5.6	ND (0.42)	ND (0.26)	ND (0.27)	ND (0.29)	-	-	ND (0.17)	ND (0.18)	ND (0.2)	ND (0.25)	-	-
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	-	-	-	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.35)	-	ND (0.35)	ND (0.35)
Aroclor-1248 (PCB-1248)	mg/kg	-	-	-	-	-	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.35)	-	ND (0.35)	ND (0.35)
Aroclor-1254 (PCB-1254)	mg/kg	-	-	-	-	-	ND (0.35)	ND (0.36)	0.033 J	0.045 J	0.011 J	-	0.74	ND (0.35)
Aroclor-1260 (PCB-1260)	mg/kg	-	-	-	-	-	0.061 J	ND (0.36) UJ	ND (0.36)	ND (0.36)	ND (0.35)	-	ND (0.35)	ND (0.35)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	97.5	94.2	97.4	97.2	94.6	91.6	92.0	92.3	94.9	96.9	94.7	95.1
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH32-02*	*BH32-02*	*BH33-02*	*BH33-02*	*BH34-02*	*BH34-02*	*BH35-02*	*BH35-02*	*BH35-02*	*BH35-02*	*BH36-02*	*BH36-02*
Sample ID:			*S-082002-MM-169*	*S-082002-MM-170*	*S-082002-MM-171*	*S-082002-MM-172*	*S-120302-MM-525*	*S-120302-MM-526*	*S-120202-MM-506*	*S-120202-MM-507*	*S-120202-MM-508*	*S-120202-MM-509*	*S-120202-MM-510*	*S-120202-MM-511*
Sample Date:			*8/20/2002*	*8/20/2002*	*8/20/2002*	*8/20/2002*	*12/3/2002*	*12/3/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*
Sample Depth:			*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH37-02*	*BH37-02*	*BH37-02*	*BH38-02*	*BH38-02*	*BH39-02*	*BH40-02*	*BH40-02*	*BH40-02*	*BH41-02*	*BH41-02*	*BH42-02*
Sample ID:			*S-120302-MM-528*	*S-120302-MM-529*	*S-120302-MM-530*	*S-120202-MM-502*	*S-120202-MM-495*	*S-120202-MM-505*	*S-120202-MM-513*	*S-120202-MM-514*	*S-120202-MM-515*	*S-120202-MM-523*	*S-120202-MM-522*	*S-120202-MM-496*
Sample Date:			*12/3/2002*	*12/3/2002*	*12/3/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*
Sample Depth:			*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*10-10.5 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	ND (0.075) UJ	0.02 J	0.032 J	-	-	-	0.13 J	0.15 J	0.015 J	-	-	0.025 J
1,1-Dichloroethane	mg/kg	18	ND (0.075)	ND (0.085)	ND (0.078)	-	-	-	ND (0.054)	ND (0.065)	ND (0.06)	-	-	ND (0.075)
1,1-Dichloroethene	mg/kg	0.14	ND (0.075)	ND (0.085)	ND (0.078)	-	-	-	ND (0.054)	ND (0.065)	ND (0.06)	-	-	ND (0.075)
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.15)	ND (0.17)	ND (0.16)	-	-	-	ND (0.11)	ND (0.13)	ND (0.12)	-	-	ND (0.15)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (1.1) UJ	ND (1.3) UJ	ND (1.2) UJ	-	-	-	ND (0.81) UJ	ND (0.98) UJ	ND (0.9) UJ	-	-	ND (1.1) UJ
Acetone	mg/kg	15	ND (1.1) UJ	ND (1.3) UJ	ND (1.2) UJ	-	-	-	0.1 J	ND (0.98) UJ	ND (0.9) UJ	-	-	ND (1.1) UJ
Benzene	mg/kg	0.1	ND (0.075)	ND (0.085)	ND (0.078)	-	-	-	ND (0.054)	ND (0.065)	ND (0.06)	-	-	ND (0.075)
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.38)	ND (0.42)	ND (0.39)	-	-	-	ND (0.27)	ND (0.33)	ND (0.3)	-	-	ND (0.37)
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.38)	ND (0.42)	ND (0.39)	-	-	-	ND (0.27)	ND (0.33)	ND (0.3)	-	-	ND (0.37)
Methyl acetate	mg/kg	-	ND (1.8)	ND (2)	ND (1.9)	-	-	-	ND (1.3)	ND (1.6)	ND (1.4)	-	-	ND (1.8)
Styrene	mg/kg	2.7	ND (0.075)	ND (0.085)	ND (0.078)	-	-	-	ND (0.054)	ND (0.065)	ND (0.06)	-	-	ND (0.075)
Tetrachloroethene	mg/kg	0.1	ND (0.075)	ND (0.085)	ND (0.078)	-	-	-	ND (0.054)	ND (0.065)	ND (0.06)	-	-	ND (0.075)
Toluene	mg/kg	16	ND (0.15)	ND (0.17)	ND (0.16)	-	-	-	ND (0.11)	ND (0.13)	ND (0.12)	-	-	ND (0.15)
Trichloroethene	mg/kg	0.1	0.015 J	0.073 J	***0.11***	-	-	-	***0.2***	***0.16***	0.027 J	-	-	0.045 J
Xylene (total)	mg/kg	5.6	ND (0.23)	ND (0.25)	ND (0.24)	-	-	-	ND (0.16)	ND (0.2)	ND (0.18)	-	-	ND (0.22)
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.36)	ND (0.35)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.7)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (1.8)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.36)	ND (0.35)	-	ND (0.36)	ND (0.35)	0.48	8.5	1.1	ND (0.36)	ND (0.37)	0.43	ND (1.8)
Aroclor-1254 (PCB-1254)	mg/kg	-	0.055 J	ND (0.35)	-	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.7)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	8.1
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.36) UJ	ND (0.35) UJ	-	0.032 J	ND (0.35)	ND (0.35)	ND (0.7)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.35)	ND (1.8)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	92.7	94.5	96.8	91.7	95.3	94.0	94.4	94.1	90.8	88.9	93.4	93.9
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH37-02*	*BH37-02*	*BH37-02*	*BH38-02*	*BH38-02*	*BH39-02*	*BH40-02*	*BH40-02*	*BH40-02*	*BH41-02*	*BH41-02*	*BH42-02*
Sample ID:			*S-120302-MM-528*	*S-120302-MM-529*	*S-120302-MM-530*	*S-120202-MM-502*	*S-120202-MM-495*	*S-120202-MM-505*	*S-120202-MM-513*	*S-120202-MM-514*	*S-120202-MM-515*	*S-120202-MM-523*	*S-120202-MM-522*	*S-120202-MM-496*
Sample Date:			*12/3/2002*	*12/3/2002*	*12/3/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*
Sample Depth:			*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*10-10.5 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH42-02*	*BH42-02*	*BH43-02*	*BH43-02*	*BH43-02*	*BH44-02*	*BH44-02*	*BH45-02*	*BH45-02*	*BH45-02*	*BH46-02*	*BH46-02*
Sample ID:			*S-120202-MM-504*	*S-120202-MM-497*	*S-120202-MM-498*	*S-120202-MM-501*	*S-120202-MM-499*	*S-120202-MM-516*	*S-120202-MM-517*	*S-120202-MM-519*	*S-120202-MM-520*	*S-120202-MM-521*	*S-122002-SP-590*	*S-122002-SP-591*
Sample Date:			*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/20/2002*	*12/20/2002*
Sample Depth:			*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*
						Dupl.								
Parameters	*Units*													
Volatiles		*Residential Drinking Water Protection Criteria*												
1,1,1-Trichloroethane	mg/kg	4	ND (0.068) UJ	ND (0.066) UJ	-	-	-	-	-	ND (0.065) UJ	ND (0.058) UJ	ND (0.062) UJ	-	-
1,1-Dichloroethane	mg/kg	18	ND (0.068)	ND (0.066)	-	-	-	-	-	ND (0.065)	ND (0.058)	ND (0.062)	-	-
1,1-Dichloroethene	mg/kg	0.14	ND (0.068)	ND (0.066)	-	-	-	-	-	ND (0.065)	ND (0.058)	ND (0.062)	-	-
1,4-Dichlorobenzene	mg/kg	1.7	ND (0.14)	ND (0.13)	-	-	-	-	-	ND (0.13)	ND (0.12)	ND (0.12)	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	ND (1) UJ	ND (0.98) UJ	-	-	-	-	-	ND (0.97) UJ	ND (0.87) UJ	ND (0.93) UJ	-	-
Acetone	mg/kg	15	ND (1) UJ	ND (0.98) UJ	-	-	-	-	-	ND (0.97) UJ	ND (0.87) UJ	ND (0.93) UJ	-	-
Benzene	mg/kg	0.1	ND (0.068)	ND (0.066)	-	-	-	-	-	ND (0.065)	ND (0.058)	ND (0.062)	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.34)	ND (0.33)	-	-	-	-	-	ND (0.32)	ND (0.29)	ND (0.31)	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.34)	ND (0.33)	-	-	-	-	-	ND (0.32)	ND (0.29)	ND (0.31)	-	-
Methyl acetate	mg/kg	-	ND (1.6)	ND (1.6)	-	-	-	-	-	ND (1.6)	ND (1.4)	ND (1.5)	-	-
Styrene	mg/kg	2.7	ND (0.068)	ND (0.066)	-	-	-	-	-	ND (0.065)	ND (0.058)	ND (0.062)	-	-
Tetrachloroethene	mg/kg	0.1	ND (0.068)	ND (0.066)	-	-	-	-	-	ND (0.065)	ND (0.058)	ND (0.062)	-	-
Toluene	mg/kg	16	ND (0.14)	ND (0.13)	-	-	-	-	-	ND (0.13)	ND (0.12)	ND (0.12)	-	-
Trichloroethene	mg/kg	0.1	ND (0.068)	0.071	-	-	-	-	-	0.016 J	0.021 J	0.053 J	-	-
Xylene (total)	mg/kg	5.6	ND (0.21)	ND (0.2)	-	-	-	-	-	ND (0.19)	ND (0.17)	ND (0.19)	-	-
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.35)	-	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.35)	-	ND (0.37)	ND (0.34)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.35)	-	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.36)	ND (0.35)	-	ND (0.37)	ND (0.34)
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.35)	-	ND (0.36)	ND (0.7)	ND (0.35)	ND (0.36)	ND (0.36)	0.11 J	ND (0.35)	-	ND (0.37)	ND (0.34)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.35)	-	0.22 J	0.24 J	0.035 J	0.061 J	ND (0.36)	ND (0.36)	ND (0.35)	-	0.061 J	ND (0.34)
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	93.6	96.0	92.7	93.8	94.7	92.8	91.0	92.1	93.4	93.1	90.2	97.2
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH42-02*	*BH42-02*	*BH43-02*	*BH43-02*	*BH43-02*	*BH44-02*	*BH44-02*	*BH45-02*	*BH45-02*	*BH45-02*	*BH46-02*	*BH46-02*
Sample ID:			*S-120202-MM-504*	*S-120202-MM-497*	*S-120202-MM-498*	*S-120202-MM-501*	*S-120202-MM-499*	*S-120202-MM-516*	*S-120202-MM-517*	*S-120202-MM-519*	*S-120202-MM-520*	*S-120202-MM-521*	*S-122002-SP-590*	*S-122002-SP-591*
Sample Date:			*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/2/2002*	*12/20/2002*	*12/20/2002*
Sample Depth:			*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*
						Dupl.								
Parameters	*Units*													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimat
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH47-02*	*BH47-02*	*BH48-02*	*BH48-02*	*BH49-02*	*BH50-02*	*BH51-02*	*BH51-02*	*BH51A-02*	*BH51A-02*	*BH51A-02*	*BH52-02*
Sample ID:			*S-122002-SP-592*	*S-122002-SP-593*	*S-122002-SP-594*	*S-122002-SP-595*	*S-122002-SP-596*	*S-122002-SP-597*	*S-122002-SP-598*	*S-122002-SP-599*	*S-010803-MM-640*	*S-010803-MM-641*	*S-010803-MM-642*	*S-122002-SP-600*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*1/8/2003*	*1/8/2003*	*1/8/2003*	*12/20/2002*
Sample Depth:			*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*5-6 ft BGS*	*7-8 ft BGS*	*9-10 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	18	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	15	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	2.7	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	16	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	mg/kg	5.6	-	-	-	-	-	-	-	-	-	-	-	-
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.36)	ND (0.72)	ND (0.73)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.35)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	ND (0.36)	ND (0.72)	ND (0.73)	1.3	0.024 J	ND (0.35)	ND (0.35)
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	0.037 J	ND (0.36)	4.6	3.3	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.35)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34) UJ	ND (0.36)	ND (0.36) UJ	ND (0.72)	ND (0.73)	ND (0.37)	ND (0.36)	ND (0.35)	0.082 J
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	89.7	91.1	92.6	97.6	90.5	91.2	91.5	90.5	89.0	92.4	95.0	93.5
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH47-02*	*BH47-02*	*BH48-02*	*BH48-02*	*BH49-02*	*BH50-02*	*BH51-02*	*BH51-02*	*BH51A-02*	*BH51A-02*	*BH51A-02*	*BH52-02*
Sample ID:			*S-122002-SP-592*	*S-122002-SP-593*	*S-122002-SP-594*	*S-122002-SP-595*	*S-122002-SP-596*	*S-122002-SP-597*	*S-122002-SP-598*	*S-122002-SP-599*	*S-010803-MM-640*	*S-010803-MM-641*	*S-010803-MM-642*	*S-122002-SP-600*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*1/8/2003*	*1/8/2003*	*1/8/2003*	*12/20/2002*
Sample Depth:			*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*5-6 ft BGS*	*7-8 ft BGS*	*9-10 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimat
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH52-02*	*BH53-02*	*BH53-02*	*BH54-02*	*BH54-02*	*BH55-02*	*BH56-02*	*BH56-02*	*BH57-02*	*BH57-02*	*BH58-02*	*BH58-02*	*BH59-02*
Sample ID:			*S-122002-SP-601*	*S-122002-SP-602*	*S-122002-SP-603*	*S-122002-SP-604*	*S-122002-SP-605*	*S-122002-SP-606*	*S-122002-SP-607*	*S-122002-SP-608*	*S-122002-SP-609*	*S-122002-SP-610*	*S-122002-SP-611*	*S-122002-SP-612*	*S-122002-SP-613*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*
Sample Depth:			*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*
Parameters	***Units***														
Volatiles		***Residential Drinking Water Protection Criteria***													
1,1,1-Trichloroethane	mg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	18	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	15	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	mg/kg	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi - Volatiles															
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs															
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	ND (0.69)	ND (0.35)	ND (0.36)	ND (0.35)	ND (3.7)	ND (0.35)	ND (0.36)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	ND (0.69)	ND (0.35)	ND (0.36)	ND (0.35)	25	ND (0.35)	ND (0.36)
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.36)	0.58	ND (0.37)	ND (0.36)	ND (0.35)	0.065 J	5.4	0.34 J	0.059 J	ND (0.35)	ND (3.7)	ND (0.35)	ND (0.36)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.36) UJ	ND (0.37)	ND (0.37) UJ	ND (0.36)	ND (0.35)	ND (0.38)	ND (0.69)	ND (0.35)	ND (0.36)	ND (0.35)	ND (3.7)	ND (0.35)	ND (0.36)
General Chemistry															
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	92.8	89.8	89.6	92.0	95.1	87.1	95.0	94.3	90.9	94.3	89.4	93.6	91.4
Microbial															
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH52-02*	*BH53-02*	*BH53-02*	*BH54-02*	*BH54-02*	*BH55-02*	*BH56-02*	*BH56-02*	*BH57-02*	*BH57-02*	*BH58-02*	*BH58-02*	*BH59-02*
Sample ID:			*S-122002-SP-601*	*S-122002-SP-602*	*S-122002-SP-603*	*S-122002-SP-604*	*S-122002-SP-605*	*S-122002-SP-606*	*S-122002-SP-607*	*S-122002-SP-608*	*S-122002-SP-609*	*S-122002-SP-610*	*S-122002-SP-611*	*S-122002-SP-612*	*S-122002-SP-613*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*
Sample Depth:			*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*
Parameters	***Units***														
Geotech															
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH60-02*	*BH60-02*	*BH61-02*	*BH61-02*	*BH61-02*	*BH62-02*	*BH62-02*	*BH63-02*	*BH63-02*	*BH64-02*	*BH64-02*	*BH65-02*	*BH65-02*
Sample ID:			*S-122002-SP-614*	*S-122002-SP-615*	*S-122002-SP-616*	*S-122002-SP-617*	*S-122002-SP-618*	*S-122002-SP-619*	*S-122002-SP-620*	*S-122002-SP-621*	*S-122002-SP-622*	*S-122002-SP-623*	*S-122002-SP-624*	*S-122002-SP-625*	*S-122002-SP-627*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*
Sample Depth:			*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
							Dupl.								*Dupl.*
Parameters	***Units***														
Volatiles		***Residential Drinking Water Protection Criteria***													
1,1,1-Trichloroethane	mg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	18	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	15	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	mg/kg	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi - Volatiles															
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs															
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.34)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.36)	ND (0.35)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.71)	ND (0.37)	ND (0.37)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.34)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.36)	ND (0.35)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.71)	ND (0.37)	ND (0.37)
Aroclor-1254 (PCB-1254)	mg/kg	-	0.19 J	0.045 J	0.038 J	0.099 J	ND (0.35)	0.032 J	ND (0.35)	1.7	ND (0.37)	1.9	3.1	ND (0.37)	ND (0.37)
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.34)	ND (0.35)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.36)	ND (0.35)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.71)	1.9	1.2
General Chemistry															
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	96.9	93.7	89.8	90.9	93.5	90.6	95.4	90.2	89.0	89.6	92.6	88.9	89.2
Microbial															
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH60-02*	*BH60-02*	*BH61-02*	*BH61-02*	*BH61-02*	*BH62-02*	*BH62-02*	*BH63-02*	*BH63-02*	*BH64-02*	*BH64-02*	*BH65-02*	*BH65-02*
Sample ID:			*S-122002-SP-614*	*S-122002-SP-615*	*S-122002-SP-616*	*S-122002-SP-617*	*S-122002-SP-618*	*S-122002-SP-619*	*S-122002-SP-620*	*S-122002-SP-621*	*S-122002-SP-622*	*S-122002-SP-623*	*S-122002-SP-624*	*S-122002-SP-625*	*S-122002-SP-627*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*
Sample Depth:			*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
							Dupl.								*Dupl.*
Parameters	***Units***														
Geotech															
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH65-02*	*BH66-02*	*BH67-02*	*BH67-02*	*BH68-02*	*BH68-02*	*BH69-02*	*BH69-02*	*BH70-02*	*BH70-02*	*BH71-03*	*BH72-03*
Sample ID:			*S-122002-SP-626*	*S-122002-SP-628*	*S-122002-SP-629*	*S-122002-SP-630*	*S-122002-SP-631*	*S-122002-SP-632*	*S-122002-SP-633*	*S-122002-SP-634*	*S-122002-SP-635*	*S-122002-SP-636*	*S-011003-MM-656*	*S-011003-MM-657*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*1/10/2003*	*1/10/2003*
Sample Depth:			*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Protection Criteria***												
1,1,1-Trichloroethane	mg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	18	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	15	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	-	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	2.7	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	16	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	mg/kg	5.6	-	-	-	-	-	-	-	-	-	-	-	-
Semi - Volatiles														
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.36)	0.039 J	ND (0.37)	ND (0.35)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.37)	0.019 J	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.35)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.36)
Aroclor-1260 (PCB-1260)	mg/kg	-	0.06 J	ND (0.36)	0.074 J	ND (0.35)	ND (0.36)	ND (0.36)	ND (0.37)	ND (0.35)	0.044 J	ND (0.35)	ND (0.35)	0.35 J
General Chemistry														
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	91.8	92.9	90.1	95.5	90.8	92.3	89.6	95.1	91.2	95.0	93.8	91.4
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH65-02*	*BH66-02*	*BH67-02*	*BH67-02*	*BH68-02*	*BH68-02*	*BH69-02*	*BH69-02*	*BH70-02*	*BH70-02*	*BH71-03*	*BH72-03*
Sample ID:			*S-122002-SP-626*	*S-122002-SP-628*	*S-122002-SP-629*	*S-122002-SP-630*	*S-122002-SP-631*	*S-122002-SP-632*	*S-122002-SP-633*	*S-122002-SP-634*	*S-122002-SP-635*	*S-122002-SP-636*	*S-011003-MM-656*	*S-011003-MM-657*
Sample Date:			*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*12/20/2002*	*1/10/2003*	*1/10/2003*
Sample Depth:			*4-5 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
Parameters	***Units***													
Geotech														
Bulk Density	pcf	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Degree of Saturation	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fine Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Percent Moisture	%	-	-	-	-	-	-	-	-	-	-	-	-	-
Porosity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH73-03*	*BH74-03*	*BH75-03*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*
Sample ID:			*S-011003-MM-658*	*S-011003-MM-659*	*S-011003-MM-660*	*GT-101002-MM-392*	*GT-101002-MM-391*	*GT-101002-MM-394*	*GT-101002-MM-397*	*GT-101002-MM-396*	*GT-101002-MM-393*	*GT-101002-MM-398*	*GT-101002-MM-395*
Sample Date:			*1/10/2003*	*1/10/2003*	*1/10/2003*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*
Sample Depth:			*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0.5-1 ft BGS*	*0-0.5 ft BGS*	*1.5-2 ft BGS*	*10.5-11 ft BGS*	*10-10.5 ft BGS*	*1-1.5 ft BGS*	*11-11.5 ft BGS*	*9.5-10 ft BGS*
Parameters	***Units***												
Volatiles		***Residential Drinking Water Protection Criteria***											
1,1,1-Trichloroethane	mg/kg	4	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	18	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	15	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	2.7	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	16	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	mg/kg	5.6	-	-	-	-	-	-	-	-	-	-	-
Semi - Volatiles													
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.36)	ND (0.37)	0.022 J	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.36)	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	-
General Chemistry													
Ammonia	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	-	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids	%	-	92.4	90.0	89.8	-	-	-	-	-	-	-	-
Microbial													
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH73-03*	*BH74-03*	*BH75-03*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*	*MW2-01*
Sample ID:			*S-011003-MM-658*	*S-011003-MM-659*	*S-011003-MM-660*	*GT-101002-MM-392*	*GT-101002-MM-391*	*GT-101002-MM-394*	*GT-101002-MM-397*	*GT-101002-MM-396*	*GT-101002-MM-393*	*GT-101002-MM-398*	*GT-101002-MM-395*
Sample Date:			*1/10/2003*	*1/10/2003*	*1/10/2003*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*
Sample Depth:			*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0.5-1 ft BGS*	*0-0.5 ft BGS*	*1.5-2 ft BGS*	*10.5-11 ft BGS*	*10-10.5 ft BGS*	*1-1.5 ft BGS*	*11-11.5 ft BGS*	*9.5-10 ft BGS*
Parameters	***Units***												
Geotech													
Bulk Density	pcf	-	-	-	-	-	-	-	124.9	113.8	-	128.3	-
Coarse Sand	%	-	-	-	-	-	8	-	-	-	-	-	4.8
Degree of Saturation	%	-	-	-	-	28	-	29	53	27	26	87	-
Fine Sand	%	-	-	-	-	-	46.4	-	-	-	-	-	43.1
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	-	-	-	-	-
Medium Sand	%	-	-	-	-	-	21.5	-	-	-	-	-	40.3
Percent Moisture	%	-	-	-	-	7.4	10.6	5.4	9.3	5.5	5.8	17.4	5.0
Porosity	none	-	-	-	-	0.41	-	0.33	0.32	0.36	0.37	0.35	-
Specific gravity	none	-	-	-	-	-	-	-	-	-	-	-	-
Void Ratio	none	-	-	-	-	0.69	-	0.49	0.47	0.56	0.59	0.54	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
- Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW3S-02*	*MW3S-02*	*MW4S-02*	*MW4S-02*	*MW4S-02*	*MW5S-02*	*MW5S-02*	*MW-103S*	*MW-103S*	*MW-103S*	*MW-103S*
Sample ID:			*S-061102-MM-049*	*S-061102-MM-050*	*S-061102-MM-041*	*S-061102-MM-042*	*S-061102-MM-048*	*S-011003-MM-661*	*S-120302-MM-531*	*GT-101002-MM-384*	*GT-101002-MM-383*	*GT-101002-MM-386*	*GT-101002-MM-387*
Sample Date:			*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*1/10/2003*	*12/3/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*
Sample Depth:			*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-8 ft BGS*	*0.5-1 ft BGS*	*0-0.5 ft BGS*	*1.5-2 ft BGS*	*10.2-10.7 ft BGS*
							Dupl.						
Parameters	***Units***												
Volatiles		***Residential Drinking Water Protection Criteria***											
1,1,1-Trichloroethane	mg/kg	4	ND (0.056)	0.014 J	ND (0.06)	ND (0.059)	0.012 J	ND (0.07)	0.021 J	-	-	-	-
1,1-Dichloroethane	mg/kg	18	ND (0.056)	ND (0.056)	ND (0.06)	ND (0.059)	ND (0.061)	ND (0.07)	ND (0.061)	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	ND (0.056)	ND (0.056)	ND (0.06)	ND (0.059)	ND (0.061)	ND (0.07)	ND (0.061)	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	0.019 J	ND (0.11)	0.019 J	0.021 J	0.028 J	ND (0.14)	ND (0.12)	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	0.11 J	ND (0.85)	0.1 J	ND (0.89)	ND (0.91)	ND (1)	ND (0.92) UJ	-	-	-	-
Acetone	mg/kg	15	0.42 J	0.48 J	0.56 J	0.32 J	0.4 J	ND (1)	ND (0.92) UJ	-	-	-	-
Benzene	mg/kg	0.1	ND (0.056)	ND (0.056)	ND (0.06)	ND (0.059)	ND (0.061)	ND (0.07)	ND (0.061)	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	ND (0.28) UJ	ND (0.28) UJ	ND (0.3) UJ	ND (0.3)	ND (0.3)	ND (0.35)	ND (0.31)	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	ND (0.28)	0.035 J	ND (0.3)	0.021 J	ND (0.3)	ND (0.35)	ND (0.31)	-	-	-	-
Methyl acetate	mg/kg	-	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.5)	ND (1.7)	ND (1.5)	-	-	-	-
Styrene	mg/kg	2.7	ND (0.056)	ND (0.056)	ND (0.06)	0.034 J	ND (0.061)	ND (0.07)	ND (0.061)	-	-	-	-
Tetrachloroethene	mg/kg	0.1	ND (0.056)	ND (0.056)	ND (0.06)	ND (0.059)	ND (0.061)	ND (0.07)	ND (0.061)	-	-	-	-
Toluene	mg/kg	16	ND (0.11) U	ND (0.11) U	ND (0.12)	ND (0.12) U	ND (0.12) U	ND (0.14)	ND (0.12)	-	-	-	-
Trichloroethene	mg/kg	0.1	ND (0.056)	0.07	ND (0.06)	0.045 J	0.065	ND (0.07)	0.094	-	-	-	-
Xylene (total)	mg/kg	5.6	ND (0.17)	ND (0.17)	0.034 J	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.18)	-	-	-	-
Semi - Volatiles													
bis(2-Ethylhexyl)phthalate	mg/kg	-	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.35)	-	-	-	-	-	-
PCBs													
Aroclor-1232 (PCB-1232)	mg/kg	-	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.35)	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/kg	-	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.35)	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/kg	-	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.35)	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/kg	-	ND (0.34)	ND (0.36)	ND (0.34)	ND (0.35)	ND (0.35)	-	-	-	-	-	-
General Chemistry													
Ammonia	mg/kg	-	-	-	-	-	-	-	1.4 J	-	-	-	-
Nitrate (as N)	mg/kg	200	-	-	-	-	-	-	1.6 J	-	-	-	-
Nitrite (as N)	mg/kg	20	-	-	-	-	-	-	ND (1.1)	-	-	-	-
pH	s.u.	-	-	-	-	-	-	-	8.5	-	-	-	-
Phosphorus	mg/kg	1300	-	-	-	-	-	-	280	-	-	-	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	-	-	1600 J	-	-	-	-
Total Solids	%	-	97.1	92.3	97.2	93.3	93.9	91.9	93.5	-	-	-	-
Microbial													
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	88000	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	700	-	-	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW3S-02*	*MW3S-02*	*MW4S-02*	*MW4S-02*	*MW4S-02*	*MW5S-02*	*MW5S-02*	*MW-103S*	*MW-103S*	*MW-103S*	*MW-103S*
Sample ID:			*S-061102-MM-049*	*S-061102-MM-050*	*S-061102-MM-041*	*S-061102-MM-042*	*S-061102-MM-048*	*S-011003-MM-661*	*S-120302-MM-531*	*GT-101002-MM-384*	*GT-101002-MM-383*	*GT-101002-MM-386*	*GT-101002-MM-387*
Sample Date:			*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*6/11/2002*	*1/10/2003*	*12/3/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*
Sample Depth:			*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-8 ft BGS*	*0.5-1 ft BGS*	*0-0.5 ft BGS*	*1.5-2 ft BGS*	*10.2-10.7 ft BGS*
							Dupl.						
Parameters	***Units***												
Geotech													
Bulk Density	pcf	-	-	-	-	-	-	-	125.3	106.3	-	102.4	-
Coarse Sand	%	-	-	-	-	-	-	-	9.4	-	5.7	-	14.9
Degree of Saturation	%	-	-	-	-	-	-	-	25.0	16	16	13	-
Fine Sand	%	-	-	-	-	-	-	-	29.3	-	53.0	-	25.9
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	-	-	0.15 J	-	-	-	-
Medium Sand	%	-	-	-	-	-	-	-	33.3	-	26.5	-	45.6
Percent Moisture	%	-	-	-	-	-	-	-	3.5	4.0	6.0	3.4	2.2
Porosity	none	-	-	-	-	-	-	-	0.27	0.4	-	0.42	-
Specific gravity	none	-	-	-	-	-	-	-	2.666	-	-	-	-
Void Ratio	none	-	-	-	-	-	-	-	0.37	0.66	-	0.71	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimat
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-103S*	*MW-103S*	*MW-103S*	*MW-103S*	*MW-301S*	*MW-301S*	*MW-302D*	*MW-303S*	*BH62A-02*
Sample ID:			*GT-101002-MM-388*	*GT-101002-MM-389*	*GT-101002-MM-385*	*GT-101002-MM-390*	*S-120402-MM-540*	*S-120402-MM-542*	*S-010703-MM-637*	*S-011603-SP-668*	*S-010803-MM-643*
Sample Date:			*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*12/4/2002*	*12/4/2002*	*1/7/2003*	*1/16/2003*	*1/8/2003*
Sample Depth:			*10.7-11.2 ft BGS*	*11.2-11.7 ft BGS*	*1-1.5 ft BGS*	*11.7-12.2 ft BGS*	*4-8 ft BGS*	*4-8 ft BGS*	*5-7 ft BGS*	*4-6 ft BGS*	*5-6 ft BGS*
								Dupl.			
Parameters	***Units***										
Volatiles		***Residential Drinking Water Protection Criteria***									
1,1,1-Trichloroethane	mg/kg	4	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/kg	18	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.14	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	1.7	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/kg	260	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	15	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	mg/kg	0.2	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	mg/kg	5.2	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	2.7	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	16	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Xylene (total)	mg/kg	5.6	-	-	-	-	-	-	-	-	-
Semi - Volatiles											
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	-	-	-	-	-	-
PCBs											
Aroclor-1232 (PCB-1232)	mg/kg	-	-	-	-	-	-	-	-	-	ND (0.34)
Aroclor-1248 (PCB-1248)	mg/kg	-	-	-	-	-	-	-	-	-	ND (0.34)
Aroclor-1254 (PCB-1254)	mg/kg	-	-	-	-	-	-	-	-	-	ND (0.34)
Aroclor-1260 (PCB-1260)	mg/kg	-	-	-	-	-	-	-	-	-	ND (0.34)
General Chemistry											
Ammonia	mg/kg	-	-	-	-	-	1 J	0.9 J	ND (2.1)	ND (2.2)	-
Nitrate (as N)	mg/kg	200	-	-	-	-	3.9 J	3.6 J	0.11 J	0.54 J	-
Nitrite (as N)	mg/kg	20	-	-	-	-	ND (1.1)	0.32 J	ND (1.1)	ND (1.1)	-
pH	s.u.	-	-	-	-	-	8.8	8.6	8.4	6.7	-
Phosphorus	mg/kg	1300	-	-	-	-	220	50	150	***10000***	-
Total Organic Carbon (TOC)	mg/kg	-	-	-	-	-	600	680	470 J	1000 J	-
Total Solids	%	-	-	-	-	-	95.2	96.1	94.4	92.4	96.2
Microbial											
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	210000	-	32000	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	2700	-	50	-	-

TABLE 2.1

SUMMARY OF SOIL SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-103S*	*MW-103S*	*MW-103S*	*MW-103S*	*MW-301S*	*MW-301S*	*MW-302D*	*MW-303S*	*BH62A-02*
Sample ID:			*GT-101002-MM-388*	*GT-101002-MM-389*	*GT-101002-MM-385*	*GT-101002-MM-390*	*S-120402-MM-540*	*S-120402-MM-542*	*S-010703-MM-637*	*S-011603-SP-668*	*S-010803-MM-643*
Sample Date:			*10/10/2002*	*10/10/2002*	*10/10/2002*	*10/10/2002*	*12/4/2002*	*12/4/2002*	*1/7/2003*	*1/16/2003*	*1/8/2003*
Sample Depth:			*10.7-11.2 ft BGS*	*11.2-11.7 ft BGS*	*1-1.5 ft BGS*	*11.7-12.2 ft BGS*	*4-8 ft BGS*	*4-8 ft BGS*	*5-7 ft BGS*	*4-6 ft BGS*	*5-6 ft BGS*
								Dupl.			
Parameters	***Units***										
Geotech											
Bulk Density	pcf	-	-	-	110.4	-	121.7	-	122.9	96.1	-
Coarse Sand	%	-	-	-	-	-	18.8	-	14.4	1.4	-
Degree of Saturation	%	-	14	20	12	56	75.0	-	25.0	22.8	-
Fine Sand	%	-	-	-	-	-	23.6	-	25.2	69.9	-
Fraction Organic Carbon (FOC)	%	-	-	-	-	-	0.057	0.065	0.044 J	0.092 J	-
Medium Sand	%	-	-	-	-	-	41.3	-	39.2	15.3	-
Percent Moisture	%	-	2.4	3.3	2.5	8.2	16.8	-	3.6	7.3	-
Porosity	none	-	0.32	0.31	0.37	0.28	0.37	-	0.28	0.46	-
Specific gravity	none	-	-	-	-	-	2.67	-	2.626	2.662	-
Void Ratio	none	-	0.47	0.45	0.58	0.39	0.6	-	0.38	0.85	-

Notes:

ND ( ) - Non-detect at associated value.
U - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimate
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*37651 Grantland*	*37920 Grantland Avenue*	*37974 Grantland Avenue*	*BH1-02*	*BH1-02*	*BH2-02*	*BH3-02*	*BH4-02*	*BH5-02*	*BH6-02*	*BH7-02*
Sample ID:			*GW-063003-CM-006*	*GW-071403-CM-009*	*GW-063003-CM-007*	*GW-061102-MM-043*	*GW-061102-MM-047*	*GW-061102-MM-040*	*GW-061002-MM-017*	*GW-061002-MM-021*	*GW-061002-MM-024*	*GW-061002-MM-027*	*GW-061002-MM-030*
Sample Date:			*6/30/2003*	*7/14/2003*	*6/30/2003*	*6/11/2002*	*6/11/2002* *Dupl.*	*6/11/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*	*6/10/2002*
Parameters	***Units***												
Volatiles		*Residential Drinking Water Criteria*											
1,1,1-Trichloroethane	mg/L	0.2	ND (0.001)	0.075	0.014	0.0021	0.0021	ND (0.001)	ND (0.001)	0.0092	0.00056 J	0.025	0.013
1,1-Dichloroethane	mg/L	0.88	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	0.00022 J
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	0.0009	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	0.00081 J	0.00052 J
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.005)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025)	ND (0.062)	ND (0.025)	0.0022 J	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.05)	ND (0.025)
2-Hexanone	mg/L	1	ND (0.05)	ND (0.12)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.1)	ND (0.05)
Acetone	mg/L	0.73	ND (0.025)	ND (0.062)	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) U	ND (0.05) U	ND (0.025) U	ND (0.05) U	ND (0.025) U
Benzene	mg/L	0.005	ND (0.001)	ND (0.0025)	ND (0.001)	0.00046 J	0.00046 J	0.00035 J	0.00077 J	0.00066 J	0.0006 J	0.00055 J	0.00058 J
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001)	0.00086	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.001)
Carbon disulfide	mg/L	0.8	ND (0.005)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.002) UJ	ND (0.001) UJ	ND (0.002) UJ	ND (0.001) UJ
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	0.0012 J	ND (0.001)
Cyclohexane	mg/L	-	ND (0.001)	ND (0.0025)	ND (0.001)	0.00032 J	0.00036 J	0.00014 J	0.00038 J	ND (0.002)	0.00029 J	ND (0.002)	0.00028 J
Ethylbenzene	mg/L	0.074	ND (0.001)	ND (0.0025)	ND (0.001)	0.00014 J	0.00014 J	ND (0.001)	0.0002 J	ND (0.002)	0.00022 J	ND (0.002)	0.00014 J
Methyl cyclohexane	mg/L	-	ND (0.001)	ND (0.0025)	ND (0.001)	0.00027 J	0.00033 J	0.00031 J	0.00053 J	ND (0.002)	0.00028 J	ND (0.002)	0.00022 J
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.005)	0.00095	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01) U	ND (0.005)	ND (0.01) U	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.002)	ND (0.001)
Toluene	mg/L	0.79	ND (0.001)	ND (0.0025)	ND (0.001)	0.0009 J	0.00081 J	0.00064 J	ND (0.001) U	ND (0.002) U	ND (0.0011) U	ND (0.002) U	ND (0.001) U
Trichloroethene	mg/L	0.005	ND (0.001)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	*0.052*	0.00072 J	*0.054*	*0.034*
Xylene (total)	mg/L	0.28	ND (0.003)	ND (0.0075)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.006)	0.00037 J	ND (0.006)	ND (0.003)
Semi - Volatiles													
Hexachloroethane	mg/L	0.0073	-	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Metals													
Iron	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-
Gas													
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry													
Ammonia	mg/l	10	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	250	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/L	63	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	250	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Microbial													
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is estimated.
J - Estimated.
Value - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*BH8-02*	*BH8-02*	*BH9-02*	*BH10-02*	*MW1-01*	*MW1-01*	*MW1-01*	*MW2-01*	*MW3D-02*	*MW3S-02*	*MW3S-02*	*MW3S-02*
Sample ID:			*GW-061002-MM-033*	*S-061002-MM-033*	*GW-061102-MM-036*	*GW-061102-MM-039*	*GW-061302-MM-054*	*GW-061302-MM-055*	*GW-120402-MM-551*	*GW-061302-MM-053*	*GW-011003-MM-654*	*GW-062102-MM-099*	*GW-082002-MM-163*	*GW-120902-MM-587*
Sample Date:			*6/10/2002*	*6/10/2002*	*6/11/2002*	*6/11/2002*	*6/13/2002*	*6/13/2002* *Dupl.*	*12/4/2002*	*6/13/2002*	*1/10/2003*	*6/21/2002*	*8/20/2002*	*12/7/2002*
Parameters	***Units***													
Volatiles		*Residential Drinking Water Criteria*												
1,1,1-Trichloroethane	mg/L	0.2	-	0.004	0.02	0.04	0.00022 J	0.00019 J	0.00041 J	ND (0.001)	ND (0.001)	0.042	-	-
1,1-Dichloroethane	mg/L	0.88	-	ND (0.001)	0.00049 J	0.0034	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00061 J	-	-
1,1-Dichloroethene	mg/L	0.007	-	ND (0.001)	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.002)	-	-
1,2,4-Trichlorobenzene	mg/L	0.07	-	ND (0.005)	ND (0.0062)	ND (0.017)	ND (0.005) U	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	-
1,2-Dichlorobenzene	mg/L	0.6	-	ND (0.001)	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
1,2-Dichloroethane	mg/L	0.005	-	ND (0.001)	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	-	ND (0.025)	ND (0.031)	ND (0.083)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.05)	-	-
2-Hexanone	mg/L	1	-	ND (0.05)	ND (0.062)	ND (0.17)	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	0.00077 J	ND (0.1)	-	-
Acetone	mg/L	0.73	-	ND (0.025) U	ND (0.031) UJ	ND (0.083) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.05) UJ	-	-
Benzene	mg/L	0.005	-	0.00073 J	0.0004 J	ND (0.0033)	0.00017 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Bromomethane (Methyl Bromide)	mg/L	0.01	-	ND (0.001)	ND (0.0012)	ND (0.0033)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	-	-
Carbon disulfide	mg/L	0.8	-	ND (0.005)	ND (0.0062)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	-
Carbon tetrachloride	mg/L	0.005	-	ND (0.001) UJ	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	0.00022 J	ND (0.001)	ND (0.002)	-	-
Chloroform (Trichloromethane)	mg/L	0.1	-	ND (0.001)	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Chloromethane (Methyl Chloride)	mg/L	0.26	-	ND (0.001)	ND (0.0012) UJ	ND (0.0033) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
cis-1,2-Dichloroethene	mg/L	0.07	-	ND (0.001)	0.0025	0.011	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Cyclohexane	mg/L	-	-	0.00036 J	0.0002 J	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Ethylbenzene	mg/L	0.074	-	0.00023 J	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Methyl cyclohexane	mg/L	-	-	0.0003 J	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Methyl Tert Butyl Ether	mg/L	0.04	-	ND (0.005)	ND (0.0062)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	-
Methylene chloride	mg/L	0.005	-	ND (0.005)	ND (0.0062)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	-
Tetrachloroethene	mg/L	0.005	-	ND (0.001)	ND (0.0012)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Toluene	mg/L	0.79	-	0.0013	0.00071 J	0.001 J	0.00033 J	0.00036 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	-
Trichloroethene	mg/L	0.005	-	*0.0068*	*0.04*	*0.11*	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	*0.079*	-	-
Xylene (total)	mg/L	0.28	-	0.0004 J	ND (0.0038)	ND (0.01)	0.00059 J	0.00054 J	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.006)	-	-
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-
Metals														
Iron	mg/L	0.3	-	-	-	-	-	-	ND (0.10)	-	*1.1*	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	-	-	-	ND (0.10)	-	*0.98*	-	-	-
Manganese	mg/L	0.05	-	-	-	-	-	-	ND (0.015)	-	*0.23*	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	-	-	-	ND (0.015)	-	*0.22*	-	-	-
Gas														
Methane	mg/L	-	-	-	-	-	-	-	0.0007	-	0.005	-	-	-
General Chemistry														
Ammonia	mg/l	10	-	-	-	-	-	-	ND (0.2) U	-	0.3	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	-	ND (10.0)	-	ND (10.0)	-	-	-
Chloride	mg/L	250	-	-	-	-	-	-	8.6	-	*271*	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	-	-	-	5.9	-	ND (0.10)	-	-	-
Phosphorus	mg/L	63	-	-	-	-	-	-	ND (0.1)	-	0.2	-	-	-
Sulfate	mg/L	250	-	-	-	-	-	-	37.6	-	85.0	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	ND (1.0) U	-	ND (1.4) U	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	2	-	3	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	680	-	5800	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	90	-	170	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW3S-02*	*MW4S-02*	*MW4S-02*	*MW4S-02*	*MW5S-02*	*MW5S-02*	*MW-101*	*MW-101*	*MW-101*	*MW-101*	*MW-102*	*MW-102*
Sample ID:			*GW-120902-MM-587*	*GW-062102-MM-098*	*GW-082002-MM-158*	*GW-082002-MM-159*	*GW-120902-MM-588*	*GW-120902-MM-588*	*GW-061902-MM-081*	*GW-061902-MM-082*	*GW-061902-MM-085*	*GW-120402-MM-548*	*GW-061902-MM-083*	*GW-120402-MM-549*
Sample Date:			*12/9/2002*	*6/21/2002*	*8/20/2002*	*8/20/2002*	*12/7/2002*	*12/9/2002*	*6/19/2002*	*6/19/2002*	*6/19/2002*	*12/4/2002*	*6/19/2002*	*12/4/2002*
						Dupl.				*Dupl.*				
Parameters	***Units***													
		Residential Drinking Water Criteria												
Volatiles														
1,1,1-Trichloroethane	mg/L	0.2	0.02	0.033	-	-	-	0.0011	0.016	0.016	-	0.023	0.028	0.038
1,1-Dichloroethane	mg/L	0.88	ND (0.002)	0.00063 J	-	-	-	ND (0.001)	0.0012	0.0012	-	0.0011	0.00093 J	0.0011 J
1,1-Dichloroethene	mg/L	0.007	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	0.00082 J	ND (0.0029)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.01)	ND (0.012)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	ND (0.014)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
1,2-Dichloroethane	mg/L	0.005	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.05)	ND (0.062)	-	-	-	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	-	ND (0.025) UJ	ND (0.062)	ND (0.072) UJ
2-Hexanone	mg/L	1	ND (0.1)	ND (0.12)	-	-	-	ND (0.05)	ND (0.05) UJ	ND (0.05) UJ	-	ND (0.05) UJ	ND (0.12)	ND (0.14) UJ
Acetone	mg/L	0.73	ND (0.05)	ND (0.062) UJ	-	-	-	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	-	ND (0.025) UJ	ND (0.062) U	ND (0.072) UJ
Benzene	mg/L	0.005	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Carbon disulfide	mg/L	0.8	ND (0.01)	ND (0.012)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	ND (0.014)
Carbon tetrachloride	mg/L	0.005	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	-	ND (0.001) UJ	ND (0.0025)	ND (0.0029) UJ
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	0.0036	0.0037	-	0.0023	0.0025	0.0032
Cyclohexane	mg/L	-	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Ethylbenzene	mg/L	0.074	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Methyl cyclohexane	mg/L	-	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.01)	ND (0.012)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	ND (0.014)
Methylene chloride	mg/L	0.005	ND (0.01)	ND (0.012)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	ND (0.014)
Tetrachloroethene	mg/L	0.005	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Toluene	mg/L	0.79	ND (0.002)	ND (0.0025)	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	ND (0.0029)
Trichloroethene	mg/L	0.005	*0.057*	*0.099*	-	-	-	0.00074 J	*0.035*	*0.035*	-	*0.038*	*0.061*	*0.08*
Xylene (total)	mg/L	0.28	ND (0.006)	ND (0.0075)	-	-	-	ND (0.003)	ND (0.003)	ND (0.003)	-	ND (0.003)	ND (0.0075)	ND (0.0086)
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	*0.0075*	ND (0.005)	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	ND (0.10)	-	-	-	-	ND (0.10)	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	ND (0.10)	-	-	-	-	ND (0.10)	-	-	-	-	-	-
Manganese	mg/L	0.05	0.0037 J	-	-	-	-	0.017	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	0.0011 J	-	-	-	-	0.016	-	-	-	-	-	-
Gas														
Methane	mg/L	-	ND (0.0005)	-	-	-	-	ND (0.0005)	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/l	10	ND (0.2) U	-	-	-	-	ND (0.2) U	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	8.0 J	-	-	-	-	ND (10.0)	-	-	-	-	-	-
Chloride	mg/L	250	5.1	-	-	-	-	9.3	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	5.4	-	-	-	-	*13.8*	-	-	-	-	-	-
Phosphorus	mg/L	63	ND (0.1)	-	-	-	-	0.1	-	-	-	-	-	-
Sulfate	mg/L	250	29.1	-	-	-	-	47.0	-	-	-	-	-	-
Sulfide	mg/L	-	ND (1.0)	-	-	-	-	ND (1.0)	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	3	-	-	-	-	3	-	-	-	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	150	-	-	-	-	350	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	30	-	-	-	-	150	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
italics - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-103D*	*MW-103D*	*MW-103S*	*MW-103S*	*MW-104D*	*MW-104D*	*MW-104D*	*MW-104S*	*MW-104S*	*MW-104S*	*MW-104S*	*MW-104S*	*MW-105D*
Sample ID:			*GW-061802-MM-078*	*GW-120302-MM-533*	*GW-061802-MM-077*	*GW-120302-MM-535*	*GW-061402-MM-059*	*GW-120602-MM-572*	*GW-030303-SP-882*	*GW-061402-MM-058*	*GW-120602-MM-573*	*GW-120602-MM-574*	*GW-120602-MM-574*	*GW-030303-SP-881*	*GW-061402-MM-061*
Sample Date:			*6/18/2002*	*12/3/2002*	*6/18/2002*	*12/3/2002*	*6/14/2002*	*12/6/2002*	*3/3/2003*	*6/14/2002*	*12/6/2002*	*12/6/2002*	*Dupl.*	*3/3/2003*	*6/14/2002*
Parameters	***Units***														
Volatiles		***Residential Drinking Water Criteria***													
1,1,1-Trichloroethane	mg/L	0.2	ND (0.001)	ND (0.001)	0.065	0.085	ND (0.001)	ND (0.001)	ND (0.001)	0.013	0.016	0.014		0.016	ND (0.001)
1,1-Dichloroethane	mg/L	0.88	ND (0.001)	ND (0.001)	0.00096 J	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	0.00035 J	0.00033 J	ND (0.001)		0.00049	ND (0.001)
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005)	ND (0.005)	0.0013 J	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025) UJ	ND (0.025)	ND (0.062) UJ	ND (0.1)	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ		ND (0.025)	ND (0.025)
2-Hexanone	mg/L	1	ND (0.05) UJ	ND (0.05)	ND (0.12) UJ	ND (0.2)	ND (0.05)	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ		ND (0.05)	ND (0.05)
Acetone	mg/L	0.73	ND (0.025) UJ	ND (0.025)	ND (0.062) UJ	ND (0.1)	0.0021 J	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ		ND (0.025)	0.0026 J
Benzene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001) UJ	ND (0.001) UJ	ND (0.0025) UJ	ND (0.004) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ		ND (0.001)	ND (0.001)
Carbon disulfide	mg/L	0.8	ND (0.005)	ND (0.005)	ND (0.012)	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)		ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001) UJ	ND (0.001)	ND (0.0025) UJ	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	ND (0.001)	0.0046	0.0043	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Ethylbenzene	mg/L	0.074	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Methyl cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	ND (0.005)	ND (0.012)	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.012)	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)		ND (0.005)	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Toluene	mg/L	0.79	ND (0.001)	ND (0.001)	ND (0.0025)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
Trichloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	*0.085*	*0.1*	ND (0.001)	ND (0.001)	ND (0.001)	*0.012*	*0.014*	*0.012*		*0.011*	ND (0.001)
Xylene (total)	mg/L	0.28	ND (0.003)	ND (0.003)	ND (0.0075)	ND (0.012)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)		ND (0.003)	ND (0.003)
Semi - Volatiles															
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-		-	-
Metals															
Iron	mg/L	0.3	-	*3.0*	-	ND (0.10)	-	-	-	-	-	-		-	-
Iron (Dissolved)	mg/L	0.3	-	*2.4*	-	ND (0.10)	-	-	-	-	-	-		-	-
Manganese	mg/L	0.05	-	*0.18*	-	ND (0.015) U	-	-	-	-	-	-		-	-
Manganese (Dissolved)	mg/L	0.05	-	*0.18*	-	ND (0.015) U	-	-	-	-	-	-		-	-
Gas															
Methane	mg/L	-	-	0.0006	-	ND (0.0005)	-	-	-	-	-	-		-	-
General Chemistry															
Ammonia	mg/l	10	-	0.1 J	-	0.09 J	-	-	-	-	-	-		-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	ND (10.0)	-	ND (10.0)	-	-	-	-	-	-		-	-
Chloride	mg/L	250	-	*281*	-	17.9	-	-	-	-	-	-		-	-
Nitrate (as N)	mg/L	10	-	0.040 J	-	*10.4*	-	-	-	-	-	-		-	-
Phosphorus	mg/L	63	-	0.06 J	-	ND (0.1)	-	-	-	-	-	-		-	-
Sulfate	mg/L	250	-	75.3	-	40.7	-	-	-	-	-	-		-	-
Sulfide	mg/L	-	-	ND (1.4) U	-	ND (1.1) U	-	-	-	-	-	-		-	-
Total Organic Carbon (TOC)	mg/L	-	-	3	-	6	-	-	-	-	-	-		-	-
Microbial															
Aerobic Total Microbial Population	CFU/mL	-	-	760	-	180	-	-	-	-	-	-		-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	50	-	30	-	-	-	-	-	-		-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-105D*	*MW-105D*	*MW-105S*	*MW-105S*	*MW-105S*	*MW-201D*	*MW-201D*	*MW-201S*	*MW-201S*	*MW-202D*	*MW-202D*	*MW-202S*
Sample ID:			*GW-120402-MM-550*	*GW-030303-SP-872*	*GW-061402-MM-060*	*GW-120302-MM-534*	*GW-030303-SP-871*	*GW-062002-MM-090*	*GW-120602-MM-578*	*GW-062002-MM-089*	*GW-120602-MM-575*	*GW-062002-MM-092*	*GW-120602-MM-576*	*GW-062002-MM-091*
Sample Date:			*12/4/2002*	*3/3/2003*	*6/14/2002*	*12/3/2002*	*3/3/2003*	*6/20/2002*	*12/6/2002*	*6/20/2002*	*12/6/2002*	*6/20/2002*	*12/6/2002*	*6/20/2002*
Parameters	***Units***													
Volatiles		***Residential Drinking Water Criteria***												
1,1,1-Trichloroethane	mg/L	0.2	ND (0.001)	ND (0.001)	0.026	0.028	0.026	ND (0.001)	ND (0.001)	0.0066	0.01	ND (0.001)	ND (0.001)	0.059
1,1-Dichloroethane	mg/L	0.88	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.001 J
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	ND (0.001)	ND (0.001)	0.0013	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) U	ND (0.005)	ND (0.02)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00012 J	ND (0.001)	ND (0.004)
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.1) UJ
2-Hexanone	mg/L	1	ND (0.05) UJ	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05) UJ	ND (0.05) UJ	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.2)
Acetone	mg/L	0.73	ND (0.025) UJ	ND (0.025)	0.002 J	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.1) UJ
Benzene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001) U	ND (0.004) UJ
Carbon disulfide	mg/L	0.8	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0042
Cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Ethylbenzene	mg/L	0.074	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Methyl cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)
Methylene chloride	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)
Tetrachloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Toluene	mg/L	0.79	ND (0.001)	0.00042	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)
Trichloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	0.0013	0.0014	0.0013	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	*0.15*
Xylene (total)	mg/L	0.28	ND (0.003)	0.001	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.012)
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Gas														
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/l	10	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	250	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/L	63	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	250	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-202S*	*MW-203D*	*MW-203D*	*MW-203D*	*MW-203S*	*MW-203S*	*MW-204D*	*MW-204D*	*MW-204S*	*MW-204S*	*MW-205D*	*MW-205D*
Sample ID:			*GW-120602-MM-577*	*GW-062502-MM-109*	*GW-062502-MM-110*	*GW-120502-MM-555*	*GW-062502-MM-108*	*GW-120502-MM-554*	*GW-061902-MM-088*	*GW-120502-MM-553*	*GW-061802-MM-080*	*GW-120502-MM-559*	*GW-061902-MM-087*	*GW-120502-MM-552*
Sample Date:			*12/6/2002*	*6/25/2002*	*6/25/2002*	*12/5/2002*	*6/25/2002*	*12/5/2002*	*6/19/2002*	*12/5/2002*	*6/18/2002*	*12/5/2002*	*6/19/2002*	*12/5/2002*
					Dupl.									
Parameters	*Units*	*Residential Drinking Water Criteria*												
Volatiles														
1,1,1-Trichloroethane	mg/L	0.2	0.049	ND (0.001)	ND (0.001)	ND (0.001)	0.00026 J	0.00093 J	ND (0.001)	ND (0.001)	0.012	0.0087	ND (0.001)	ND (0.001)
1,1-Dichloroethane	mg/L	0.88	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	0.00054 J	ND (0.001)	ND (0.001)
1,1-Dichloroethene	mg/L	0.007	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.025)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.01)	ND (0.0084) UJ	ND (0.005)	ND (0.005) UJ
1,2-Dichlorobenzene	mg/L	0.6	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.12) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.05) UJ	ND (0.042) UJ	ND (0.025) UJ	ND (0.025) UJ
2-Hexanone	mg/L	1	ND (0.25) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05)	ND (0.05)	ND (0.05) UJ	ND (0.1) UJ	ND (0.084) UJ	ND (0.05)	ND (0.05) UJ
Acetone	mg/L	0.73	ND (0.12) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.05) UJ	ND (0.042) UJ	ND (0.025) UJ	ND (0.025) UJ
Benzene	mg/L	0.005	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0017)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.005) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.0017)	ND (0.001) UJ	ND (0.001)
Carbon disulfide	mg/L	0.8	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.0084)	ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.0017)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	0.0035 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Cyclohexane	mg/L	-	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Ethylbenzene	mg/L	0.074	ND (0.005)	0.00016 J	0.00016 J	ND (0.001)	0.00013 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Methyl cyclohexane	mg/L	-	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.0084)	ND (0.005)	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.0084)	ND (0.005)	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00086 J	0.001 J	ND (0.001)	ND (0.001)
Toluene	mg/L	0.79	ND (0.005)	0.00084 J	0.00079 J	ND (0.001)	0.00056 J	ND (0.001)	0.00029 J	ND (0.001)	ND (0.002)	ND (0.0017)	ND (0.001)	ND (0.001)
Trichloroethene	mg/L	0.005	*0.12*	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	*0.077*	*0.053*	ND (0.001)	ND (0.001)
Xylene (total)	mg/L	0.28	ND (0.015)	0.00039 J	0.00039 J	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.006)	ND (0.005)	ND (0.003)	ND (0.003)
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	-	-	-	*2.2*	-	ND (0.10)	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	*2.1*	-	ND (0.10)	-	-	-	-	-	-
Manganese	mg/L	0.05	-	-	-	*0.16*	-	ND (0.015)	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	*0.16*	-	ND (0.015)	-	-	-	-	-	-
Gas														
Methane	mg/L	-	-	-	-	0.0024	-	ND (0.0005)	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/l	10	-	-	-	0.05 J	-	0.03 J	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	5.1 J	-	ND (10.0)	-	-	-	-	-	-
Chloride	mg/L	250	-	-	-	*362*	-	*336*	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	ND (0.10)	-	6.7	-	-	-	-	-	-
Phosphorus	mg/L	63	-	-	-	ND (0.1)	-	0.08 J	-	-	-	-	-	-
Sulfate	mg/L	250	-	-	-	139	-	38.1	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	ND (1.0)	-	ND (1.0) U	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	4	-	2	-	-	-	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	360	-	310	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	60	-	50	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
italics - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-205S*	*MW-205S*	*MW-206D*	*MW-206D*	*MW-206D*	*MW-206D*	*MW-206S*	*MW-206S*	*MW-206S*	*MW-211D*	*MW-211D*	*MW-211D*
Sample ID:			*GW-061902-MM-086*	*GW-120502-MM-560*	*GW-062702-MM-120*	*GW-062702-MM-123*	*GW-120902-MM-584*	*GW-120902-MM-584*	*GW-062602-MM-118*	*GW-120902-MM-581*	*GW-120902-MM-581*	*GW-062602-MM-116*	*GW-120902-MM-583*	*GW-120902-MM-583*
Sample Date:			*6/19/2002*	*12/5/2002*	*6/27/2002*	*6/27/2002*	*12/7/2002*	*12/9/2002*	*6/26/2002*	*12/7/2002*	*12/9/2002*	*6/26/2002*	*12/7/2002*	*12/9/2002*
						Dupl.								
Parameters	*Units*													
		Residential Drinking Water Criteria												
Volatiles														
1,1,1-Trichloroethane	mg/L	0.2	0.031	0.03	ND (0.001)	ND (0.001)	-	ND (0.001)	0.057	-	0.06	ND (0.001)	-	ND (0.001)
1,1-Dichloroethane	mg/L	0.88	ND (0.001)	ND (0.001)	0.00022 J	0.00022 J	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	-	ND (0.005)	ND (0.0084) UJ	-	ND (0.012)	ND (0.005) UJ	-	ND (0.005)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025) UJ	ND (0.025) UJ	0.0031 J	ND (0.025) UJ	-	ND (0.025)	ND (0.042) UJ	-	ND (0.062)	ND (0.025) UJ	-	ND (0.025)
2-Hexanone	mg/L	1	ND (0.05)	ND (0.05) UJ	ND (0.05) UJ	ND (0.05)	-	ND (0.05)	ND (0.084) UJ	-	ND (0.12)	ND (0.05) UJ	-	ND (0.05)
Acetone	mg/L	0.73	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) U	-	ND (0.025)	ND (0.042) UJ	-	ND (0.062)	ND (0.025) UJ	-	ND (0.025)
Benzene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	-	ND (0.001)	ND (0.0017) UJ	-	ND (0.0025)	ND (0.001) UJ	-	ND (0.001)
Carbon disulfide	mg/L	0.8	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.0084)	-	ND (0.012)	ND (0.005)	-	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.1	0.00029 J	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Ethylbenzene	mg/L	0.074	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Methyl cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.0084)	-	ND (0.012)	ND (0.005)	-	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.0084)	-	ND (0.012)	ND (0.005)	-	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Toluene	mg/L	0.79	0.00019 J	ND (0.001)	ND (0.001) U	ND (0.001) U	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001) U	-	ND (0.001)
Trichloroethene	mg/L	0.005	0.00022 J	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0017)	-	ND (0.0025)	ND (0.001)	-	ND (0.001)
Xylene (total)	mg/L	0.28	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	-	ND (0.003)	ND (0.005)	-	ND (0.0075)	ND (0.003)	-	ND (0.003)
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Gas														
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/l	10	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	250	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/L	63	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	250	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-211S*	*MW-211S*	*MW-211S*	*MW-212D*	*MW-212D*	*MW-212D*	*MW-212S*	*MW-212S*	*MW-212S*	*MW-212S*	*MW-212S*	*MW-213D*
Sample ID:			*GW-062602-MM-119*	*GW-120902-MM-582*	*GW-120902-MM-582*	*GW-062402-MM-102*	*GW-120902-MM-585*	*GW-120902-MM-585*	*GW-062402-MM-101*	*GW-120902-MM-579*	*GW-120902-MM-580*	*GW-120902-MM-579*	*GW-120902-MM-580*	*GW-062602-MM-114*
Sample Date:			*6/26/2002*	*12/7/2002*	*12/9/2002*	*6/24/2002*	*12/7/2002*	*12/9/2002*	*6/24/2002*	*12/7/2002*	*12/7/2002* *Dupl.*	*12/9/2002*	*12/9/2002* *Dupl.*	*6/26/2002*
Parameters	***Units***													
Volatiles		*Residential Drinking Water Criteria*												
1,1,1-Trichloroethane	mg/L	0.2	0.0023	-	0.0065	ND (0.001)	-	ND (0.001)	0.063	-	-	0.058	0.079	ND (0.001)
1,1-Dichloroethane	mg/L	0.88	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	0.00066 J	-	-	ND (0.002)	ND (0.0033)	0.00022 J
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	0.0015 J	-	-	0.0011 J	0.0015 J	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005) UJ	-	ND (0.005)	ND (0.005) UJ	-	ND (0.005)	ND (0.012) UJ	-	-	ND (0.01)	ND (0.017)	ND (0.005) UJ
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	-	ND (0.001)	0.00012 J	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025) UJ	-	ND (0.025)	ND (0.025) UJ	-	ND (0.025)	ND (0.062) UJ	-	-	ND (0.05)	ND (0.083)	ND (0.025) UJ
2-Hexanone	mg/L	1	ND (0.05) UJ	-	ND (0.05)	ND (0.05) UJ	-	ND (0.05)	ND (0.12) UJ	-	-	ND (0.1)	ND (0.17)	ND (0.05) UJ
Acetone	mg/L	0.73	ND (0.025) UJ	-	ND (0.025)	ND (0.025) UJ	-	ND (0.025)	ND (0.062) UJ	-	-	ND (0.05)	ND (0.083)	ND (0.025) UJ
Benzene	mg/L	0.005	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001) UJ	-	ND (0.001)	ND (0.001) UJ	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001) UJ
Carbon disulfide	mg/L	0.8	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	-	-	ND (0.01)	ND (0.017)	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	0.0011 J	-	-	0.00089 J	0.0012 J	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Cyclohexane	mg/L	-	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Ethylbenzene	mg/L	0.074	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Methyl cyclohexane	mg/L	-	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	-	-	ND (0.01)	ND (0.017)	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.005)	-	ND (0.005)	ND (0.005)	-	ND (0.005)	ND (0.012)	-	-	ND (0.01)	ND (0.017)	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001)
Toluene	mg/L	0.79	ND (0.001)	-	ND (0.001)	0.00065 J	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	ND (0.001) U
Trichloroethene	mg/L	0.005	ND (0.001)	-	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.0025)	-	-	ND (0.002)	ND (0.0033)	0.0012
Xylene (total)	mg/L	0.28	ND (0.003)	-	ND (0.003)	ND (0.003)	-	ND (0.003)	ND (0.0075)	-	-	ND (0.006)	ND (0.01)	ND (0.003) U
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Gas														
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/l	10	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	250	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	-	-	-	-	-	-	-	-	-
Phosphorus	mg/L	63	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	250	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-213D*	*MW-213D*	*MW-213D*	*MW-213S*	*MW-213S*	*MW-214D*	*MW-214D*	*MW-214S*	*MW-214S*	*MW-215D*	*MW-215D*	*MW-215S*
Sample ID:			*GW-062602-MM-115*	*GW-120402-MM-543*	*GW-120402-MM-544*	*GW-062602-MM-117*	*GW-120402-MM-545*	*GW-062002-MM-094*	*GW-120502-MM-556*	*GW-062002-MM-093*	*GW-120502-MM-557*	*GW-062402-MM-106*	*GW-120602-MM-568*	*GW-062402-MM-105*
Sample Date:			*6/26/2002*	*12/4/2002*	*12/4/2002*	*6/26/2002*	*12/4/2002*	*6/20/2002*	*12/5/2002*	*6/20/2002*	*12/5/2002*	*6/24/2002*	*12/6/2002*	*6/24/2002*
			Dupl.		*Dupl.*									
Parameters	***Units***													
		Residential Drinking Water Criteria												
Volatiles														
1,1,1-Trichloroethane	mg/L	0.2	ND (0.001)	ND (0.001)	ND (0.001)	0.044	0.069	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.061
1,1-Dichloroethane	mg/L	0.88	0.00024 J	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.042) UJ	ND (0.083)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	ND (0.014) UJ
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029) UJ
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.21) UJ	ND (0.42)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.072) UJ
2-Hexanone	mg/L	1	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.42) UJ	ND (0.83) UJ	ND (0.05)	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.14) UJ
Acetone	mg/L	0.73	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.21) UJ	ND (0.42) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	0.0046 J
Benzene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.0083) UJ	ND (0.017)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0029)
Carbon disulfide	mg/L	0.8	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.042)	ND (0.083)	0.0017 J	0.00049 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.014)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Ethylbenzene	mg/L	0.074	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Methyl cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.042)	ND (0.083)	ND (0.005)	ND (0.005)	0.00045 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.014)
Methylene chloride	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.042)	ND (0.083)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.014)
Tetrachloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0029)
Toluene	mg/L	0.79	ND (0.001) U	ND (0.001)	ND (0.001)	ND (0.0083)	ND (0.017)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00067 J	ND (0.001)	ND (0.0029)
Trichloroethene	mg/L	0.005	0.0012	0.0007 J	0.00061 J	*0.26*	*0.49*	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	*0.089*
Xylene (total)	mg/L	0.28	ND (0.003) U	ND (0.003)	ND (0.003)	ND (0.025)	ND (0.05)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0086)
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	-	*0.80*	*0.77*	-	ND (0.10)	-	-	-	-	-	-	-
Iron (Dissolved)	mg/L	0.3	-	*0.77*	*0.83*	-	ND (0.10)	-	-	-	-	-	-	-
Manganese	mg/L	0.05	-	*0.16*	*0.16*	-	ND (0.015)	-	-	-	-	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	*0.16*	*0.17*	-	ND (0.015)	-	-	-	-	-	-	-
Gas														
Methane	mg/L	-	-	0.0018	0.0014	-	ND (0.0005)	-	-	-	-	-	-	-
General Chemistry														
Ammonia	mg/l	10	-	ND (0.2) U	ND (0.2) U	-	ND (0.2) U	-	-	-	-	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	ND (10.0)	ND (10.0)	-	ND (10.0)	-	-	-	-	-	-	-
Chloride	mg/L	250	-	40.7	40.8	-	62.0	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	10	-	ND (0.10)	ND (0.10)	-	5.1	-	-	-	-	-	-	-
Phosphorus	mg/L	63	-	ND (0.1)	ND (0.1)	-	ND (0.1)	-	-	-	-	-	-	-
Sulfate	mg/L	250	-	37.8	38.1	-	55.7	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	1.7	ND (1.0) U	-	ND (1.0) U	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	2	2	-	2	-	-	-	-	-	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	220	200	-	230	-	-	-	-	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	40	50	-	40	-	-	-	-	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-215S*	*MW-216D*	*MW-216D*	*MW-216S*	*MW-216S*	*MW-216S*	*MW-217D*	*MW-217D*	*MW-217S*	*MW-217S*	*MW-218D*	*MW-218D*
Sample ID:			*GW-120602-MM-567*	*GW-062402-MM-107*	*GW-120602-MM-569*	*GW-062402-MM-104*	*GW-120602-MM-565*	*GW-120602-MM-566*	*GW-062102-MM-097*	*GW-120502-MM-562*	*GW-062102-MM-096*	*GW-120502-MM-561*	*GW-062502-MM-113*	*GW-120602-MM-570*
Sample Date:			*12/6/2002*	*6/24/2002*	*12/6/2002*	*6/24/2002*	*12/6/2002*	*12/6/2002*	*6/21/2002*	*12/5/2002*	*6/21/2002*	*12/5/2002*	*6/25/2002*	*12/6/2002*
								Dupl.						
Parameters	***Units***													
		Residential Drinking Water Criteria												
Volatiles														
1,1,1-Trichloroethane	mg/L	0.2	0.04	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	mg/L	0.88	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00048 J	0.00075 J	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	mg/L	0.007	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0014	0.0024	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.02)	ND (0.005) UJ	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.1) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ
2-Hexanone	mg/L	1	ND (0.2) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ	ND (0.05) UJ	ND (0.05) UJ
Acetone	mg/L	0.73	ND (0.1) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ
Benzene	mg/L	0.005	ND (0.004)	0.00019 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.004) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ
Carbon disulfide	mg/L	0.8	ND (0.02)	0.00024 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.004)	ND (0.001)	ND (0.001)	0.00054 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) U	ND (0.0012) U	ND (0.001)	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.004)	ND (0.001)	ND (0.001)	0.00017 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00014 J	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cyclohexane	mg/L	-	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	mg/L	0.074	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methyl cyclohexane	mg/L	-	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	mg/L	0.79	ND (0.004)	0.00088 J	ND (0.001)	0.00054 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00073 J	ND (0.001)
Trichloroethene	mg/L	0.005	*0.079*	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00017 J	ND (0.001)
Xylene (total)	mg/L	0.28	ND (0.012)	0.00035 J	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	0.00039 J	ND (0.003)
Semi - Volatiles														
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-	-	-	-
Metals														
Iron	mg/L	0.3	-	-	-	-	-	-	-	*1.5*	-	ND (0.10)	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	-	-	-	-	ND (0.10)	-	*1.9*	-	-
Manganese	mg/L	0.05	-	-	-	-	-	-	-	*0.081*	-	0.0044 J	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	-	-	-	-	ND (0.015) U	-	*0.089*	-	-
Gas														
Methane	mg/L	-	-	-	-	-	-	-	-	ND (0.0005)	-	0.0057	-	-
General Chemistry														
Ammonia	mg/l	10	-	-	-	-	-	-	-	ND (0.2)	-	ND (0.2) U	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	-	-	-	-	ND (10.0)	-	ND (10.0)	-	-
Chloride	mg/L	250	-	-	-	-	-	-	-	72.3	-	132	-	-
Nitrate (as N)	mg/L	10	-	-	-	-	-	-	-	2.4	-	0.030 J	-	-
Phosphorus	mg/L	63	-	-	-	-	-	-	-	0.1	-	ND (0.1)	-	-
Sulfate	mg/L	250	-	-	-	-	-	-	-	55.4	-	78.1	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	ND (1.0) U	-	ND (1.0) U	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	2	-	2	-	-
Microbial														
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	270	-	270	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	-	-	-	-	60	-	40	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 2.2

SUMMARY OF GROUNDWATER SAMPLE DETECTS - RFI
AOI 31
LIVONIA

Sample Location:			*MW-218S*	*MW-218S*	*MW-301S*	*MW-302D*	*MW-302D*	*MW-302S*	*MW-302S*	*MW-302S*	*MW-303S*
Sample ID:			*GW-062502-MM-111*	*GW-120602-MM-571*	*GW-012003-SP-670*	*GW-010903-MM-650*	*GW-011303-MM-650*	*GW-010903-MM-649*	*GW-011303-MM-649*	*GW-060203-BL-1166*	*GW-012003-SP-671*
Sample Date:			*6/25/2002*	*12/6/2002*	*1/20/2003*	*1/9/2003*	*1/13/2003*	*1/9/2003*	*1/13/2003*	*6/2/2003*	*1/20/2003*
Parameters	***Units***										
Volatiles		***Residential Drinking Water Criteria***									
1,1,1-Trichloroethane	mg/L	0.2	0.00065 J	0.00073 J	ND (0.001) UJ	0.053	-	0.14	-	0.14	ND (0.001) UJ
1,1-Dichloroethane	mg/L	0.88	ND (0.001)	ND (0.001)	0.0005 J	0.0011 J	-	ND (0.02)	-	ND (0.014)	ND (0.001)
1,1-Dichloroethene	mg/L	0.007	ND (0.001)	ND (0.001)	ND (0.001)	0.0023	-	ND (0.02)	-	0.005	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	0.07	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.01)	-	ND (0.1)	-	ND (0.071)	ND (0.005)
1,2-Dichlorobenzene	mg/L	0.6	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
1,2-Dichloroethane	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	0.00058 J	-	ND (0.02)	-	ND (0.014)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	13	ND (0.025) UJ	ND (0.025) UJ	ND (0.025)	ND (0.05)	-	ND (0.5)	-	ND (0.36)	ND (0.025)
2-Hexanone	mg/L	1	ND (0.05) UJ	ND (0.05) UJ	ND (0.05)	ND (0.1)	-	ND (1)	-	ND (0.71)	ND (0.05)
Acetone	mg/L	0.73	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.05)	-	ND (0.5)	-	ND (0.36)	ND (0.025) UJ
Benzene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	0.01	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001) UJ
Carbon disulfide	mg/L	0.8	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	ND (0.1)	-	ND (0.071)	ND (0.005)
Carbon tetrachloride	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.1	ND (0.001)	ND (0.001)	0.0012	ND (0.002)	-	ND (0.02)	-	ND (0.014)	0.00087 J
Chloromethane (Methyl Chloride)	mg/L	0.26	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.07	ND (0.001)	ND (0.001)	0.00096 J	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Ethylbenzene	mg/L	0.074	0.00015 J	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	0.0016
Methyl cyclohexane	mg/L	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	0.04	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	ND (0.1)	-	ND (0.071)	ND (0.005)
Methylene chloride	mg/L	0.005	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	-	ND (0.1)	-	ND (0.071)	ND (0.005)
Tetrachloroethene	mg/L	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Toluene	mg/L	0.79	0.00086 J	ND (0.001)	ND (0.001)	ND (0.002)	-	ND (0.02)	-	ND (0.014)	ND (0.001)
Trichloroethene	mg/L	0.005	0.0039	0.005	ND (0.001)	*0.027*	-	*0.53*	-	*0.46*	ND (0.001)
Xylene (total)	mg/L	0.28	0.00041 J	ND (0.003)	ND (0.003)	ND (0.006)	-	ND (0.06)	-	ND (0.043)	0.0076
Semi - Volatiles											
Hexachloroethane	mg/L	0.0073	-	-	-	-	-	-	-	-	-
Metals											
Iron	mg/L	0.3	-	-	-	*1.1*	-	ND (0.10)	-	-	-
Iron (Dissolved)	mg/L	0.3	-	-	-	*0.68*	-	ND (0.10)	-	-	-
Manganese	mg/L	0.05	-	-	-	*0.26*	-	0.021	-	-	-
Manganese (Dissolved)	mg/L	0.05	-	-	-	*0.25*	-	0.020	-	-	-
Gas											
Methane	mg/L	-	-	-	-	0.00089	-	ND (0.0005)	-	-	-
General Chemistry											
Ammonia	mg/l	10	-	-	-	0.4	-	0.1 J	-	-	-
Chemical Oxygen Demand (COD)	mg/L	-	-	-	-	9.9 J	-	ND (10.0)	-	-	-
Chloride	mg/L	250	-	-	-	*319*	-	*272*	-	-	-
Nitrate (as N)	mg/L	10	-	-	-	0.63	-	4.0	-	-	-
Phosphorus	mg/L	63	-	-	-	ND (0.1) U	-	ND (0.1) U	-	-	-
Sulfate	mg/L	250	-	-	-	105	-	49.9	-	-	-
Sulfide	mg/L	-	-	-	-	ND (1.4) UJ	-	ND (1.0) U	-	-	-
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	4	-	2	-	-
Microbial											
Aerobic Total Microbial Population	CFU/mL	-	-	-	-	100	-	760	-	-	-
Anaerobic Total Microbial Population	CFU/mL	-	-	-	-	ND	-	60	-	-	-

Notes:

ND ( ) - Non-detect at associated value.
UJ - Non-detect at associated value. The associated reporting limit is e
J - Estimated.
[ ] - Exceedance of Residential Drinking Water Criteria.

TABLE 4.1

INITIAL GROUNDWATER CHARACTERIZATION
AOI 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN

Parameter	*Units*	*MW-103S*	*MW-202S*
Vinyl chloride	µg/L	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	1.4	0.9
trans-1,2-Dichloroethene	µg/L	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	2.5	1.3
cis-1,2-Dichloroethene	µg/L	3.1	5.3
1,1,1-Trichloroethane	µg/L	61	52
1,2-Dichloroethane	µg/L	ND (1)	1.3
Trichloroethene	µg/L	149	76
Tetrachloroethene	µg/L	ND (1)	ND (1)
Toluene	µg/L	ND (1)	0.5
Ethylbenzene	µg/L	2.4	0.3
o-Xylene	µg/L	ND (1)	ND (1)

Note:

ND (x) Not detected at or above x.

TABLE 4.2

REMOVAL EFFICIENCY USING POTASSIUM PERMANGANATE
AOI 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN

Parameter	*Units*	*1% Solution*		*3% Solution*		*6% Solution*	
		MW-103S	*MW-202S*	*MW-103S*	*MW-202S*	*MW-103S*	*MW-202S*
Vinyl chloride	µg/L	-	-	-	-	-	-
1,1-Dichloroethene	µg/L	71	38	71	-	71	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	11	Not effective	Not effective	Not effective	Not effective	Not effective
cis-1,2-Dichloroethene	µg/L	88	86	90	86	88	58
1,1,1-Trichloroethane	µg/L	Not effective	Not effective	0.6	Not effective	Not effective	2.8
Trichloroethene	µg/L	>99	99	99	99	99	99
Toluene	µg/L	Not effective	-	Not effective	-	Not effective	-
Ethylbenzene	µg/L	71	-	71	-	58	-
o-Xylene	µg/L	Not effective	-	55	-	40	-

Note:

- Not applicable.

TABLE 4.3

REMOVAL EFFICIENCY USING SODIUM PERSULFATE
AOI 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN

Parameter	*Units*	*1% Solution*		*3% Solution*		*6% Solution*	
		MW-103S	*MW-202S*	*MW-103S*	*MW-202S*	*MW-103S*	*MW-202S*
Vinyl chloride	µg/L	-	-	-	-	-	-
1,1-Dichloroethene	µg/L	71	Not effective	71	-	65	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	Not effective	Not effective	Not effective	-	6.7	Not effective
cis-1,2-Dichloroethene	µg/L	Not effective	9.1	22	Not effective	31	33
1,1,1-Trichloroethane	µg/L	Not effective	Not effective	2.9	19	Not effective	Not effective
Trichloroethene	µg/L	3.9	6.0	22	0.8	48	52
Toluene	µg/L	Not effective	-	21	30	39	-
Ethylbenzene	µg/L	Not effective	-	Not effective	-	58	-
o-Xylene	µg/L	Not effective	-	Not effective	-	Not effective	-

Note:

-- Not applicable.

TABLE 4.4

CHEMICAL OXIDATION OF TCE IN GROUNDWATER OF MW-103S
AOI 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN

Parameter	*Units*	*Control 1 mL**	*1 mL Persulfate**	*1 mL Permanganate**
Vinyl chloride	µg/L	0.2	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	1.7	ND (1)	ND (1)
trans-1,2-Dichloroethene	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	1.9	2	1.7
cis-1,2-Dichloroethene	µg/L	4.8	4.9	0.6
1,1,1-Trichloroethane	µg/L	53.5	54.6	55.6
Trichloroethene	µg/L	146.1	140.4	0.5
Toluene	µg/L	2	2.4	2.6
Ethylbenzene	µg/L	1.7	3.1	0.5
o-Xylene	µg/L	0.8	1.5	1.1

Note:

* These data are the average of duplicates.

Parameter	*Units*	*Control 3 mL*	*3 mL Persulfate*	*3 mL Permanganate*
Vinyl chloride	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	1.7	ND (1)	ND (1)
trans-1,2-Dichloroethene	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	1.5	1.7	1.5
cis-1,2-Dichloroethene	µg/L	4.9	3.8	ND (1)
1,1,1-Trichloroethane	µg/L	54.4	52.8	54.1
Trichloroethene	µg/L	136.1	105.8	0.9
Toluene	µg/L	1.9	1.5	2.1
Ethylbenzene	µg/L	1.7	3.4	ND (1)
o-Xylene	µg/L	1.1	2.2	0.5

Parameter	*Units*	*Control 6 mL*	*6 mL Persulfate*	*6 mL Permanganate*
Vinyl chloride	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	1.7	0.6	ND (1)
trans-1,2-Dichloroethene	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	1.5	1.4	1.5
cis-1,2-Dichloroethene	µg/L	4.2	2.9	ND (1)
1,1,1-Trichloroethane	µg/L	50.4	52.2	52.1
Trichloroethene	µg/L	135.3	70.5	0.9
Toluene	µg/L	1.8	1.1	1.9
Ethylbenzene	µg/L	1.2	ND (1)	ND (1)
o-Xylene	µg/L	0.5	0.5	0.3

Note:

ND ( ) Not detected.

TABLE 4.5

CHEMICAL OXIDATION OF TCE IN GROUNDWATER OF MW-202S
AOI 31
ECKLES ROAD SITE
LIVONIA, MICHIGAN

Parameter	*Units*	*Control 1 mL**	*1 mL Persulfate**	*1 mL Permanganate**
Vinyl chloride	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	0.8	0.8	ND (1)
trans-1,2-Dichloroethene	µg/L	0.3	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	1.3	1.3	1.3
cis-1,2-Dichloroethene	µg/L	4.4	4	0.6
1,1,1-Trichloroethane	µg/L	71	71.4	73.7
Trichloroethene	µg/L	89.3	83.9	0.5
Toluene	µg/L	0.4	ND (1)	ND (1)
Ethylbenzene	µg/L	ND (1)	ND (1)	ND (1)
o-Xylene	µg/L	ND (1)	ND (1)	ND (1)

Note:

* These data are the average of duplicates.

Parameter	*Units*	*Control 3 mL*	*3 mL Persulfate*	*3 mL Permanganate*
Vinyl chloride	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	ND (1)	ND (1)	0.1
trans-1,2-Dichloroethene	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	1.1	1.1	1.3
cis-1,2-Dichloroethene	µg/L	4.2	3.4	0.6
1,1,1-Trichloroethane	µg/L	71	70.4	71.9
Trichloroethene	µg/L	90.2	63.3	ND (1)
Toluene	µg/L	ND (1)	ND (1)	ND (1)
Ethylbenzene	µg/L	ND (1)	ND (1)	ND (1)
o-Xylene	µg/L	ND (1)	ND (1)	ND (1)

Parameter	*Units*	*Control 6 mL*	*6 mL Persulfate*	*6 mL Permanganate*
Vinyl chloride	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethene	µg/L	ND (1)	ND (1)	ND (1)
trans-1,2-Dichloroethene	µg/L	ND (1)	ND (1)	ND (1)
1,1-Dichloroethane	µg/L	1.1	1.1	1.3
cis-1,2-Dichloroethene	µg/L	4	2.7	0.6
1,1,1-Trichloroethane	µg/L	68.6	71.3	66.7
Trichloroethene	µg/L	81.8	39.5	ND (1)
Toluene	µg/L	ND (1)	ND (1)	ND (1)
Ethylbenzene	µg/L	ND (1)	ND (1)	ND (1)
o-Xylene	µg/L	ND (1)	ND (1)	ND (1)

Note:

ND ( ) Not detected.

TABLE 5.1

SOIL SAMPLE RESULTS
PHASE I FIELD PILOT TEST
ACREA A0I 31, 13000 ECKLES ROAD
LIVONIA, MICHIGAN

AOI:		*AOI 31*	*AOI 31*
Sample Location:		*EXCAVATION*	*EXCAVATION*
After:		*pre-treatment*	*after treatment*
Sample ID:		*GW-040504-MM-1566*	*GW-042104-MM-1569*
Sample Date:		*4/5/2004*	*4/21/2004*
Matrix:		*Soil*	*Soil*
Volatile Organic Compounds	***Units***		
1,1,1-Trichloroethane	mg/kg	ND (0.078)	ND (0.061)
1,1,2-Trichloroethane	mg/kg	ND (0.078)	ND (0.061)
1,1-Dichloroethane	mg/kg	ND (0.078)	ND (0.061)
1,1-Dichloroethene	mg/kg	ND (0.078)	ND (0.061)
1,2,4-Trichlorobenzene	mg/kg	ND (0.39)	ND (0.3)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.39)	ND (0.3)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.39)	ND (0.061)
1,2-Dichlorobenzene	mg/kg	ND (0.16)	ND (0.12)
1,2-Dichloroethane	mg/kg	ND (0.078)	ND (0.061)
1,2-Dichloropropane	mg/kg	ND (0.078)	ND (0.061)
1,3-Dichlorobenzene	mg/kg	ND (0.16)	ND (0.12)
1,4-Dichlorobenzene	mg/kg	ND (0.16)	ND (0.12)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND (1.2)	ND (0.91)
2-Hexanone	mg/kg	ND (3.9)	ND (3)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (3.9)	ND (3)
Acetone	mg/kg	ND (1.2)	ND (0.91)
Benzene	mg/kg	ND (0.078)	ND (0.061)
Bromodichloromethane	mg/kg	ND (0.16)	ND (0.12)
Bromoform	mg/kg	ND (0.16)	ND (0.12)
Bromomethane (Methyl Bromide)	mg/kg	ND (0.39)	ND (0.3)
Carbon disulfide	mg/kg	ND (0.39)	ND (0.3)
Carbon tetrachloride	mg/kg	ND (0.078)	ND (0.061)
Chlorobenzene	mg/kg	ND (0.078)	ND (0.061)
Chloroethane	mg/kg	ND (0.39)	ND (0.3)
Chloroform (Trichloromethane)	mg/kg	ND (0.078)	ND (0.061)
Chloromethane (Methyl Chloride)	mg/kg	ND (0.39)	ND (0.3)
cis-1,2-Dichloroethene	mg/kg	ND (0.078)	ND (0.061)
cis-1,3-Dichloropropene	mg/kg	ND (0.078)	ND (0.061)
Cyclohexane	mg/kg	ND (1.9)	ND (1.5)
Dibromochloromethane	mg/kg	ND (0.078)	ND (0.061)
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.16)	ND (0.12)
Ethylbenzene	mg/kg	ND (0.078)	ND (0.061)
Isopropylbenzene	mg/kg	ND (0.39)	ND (0.3)
Methyl acetate	mg/kg	ND (1.9)	ND (1.5)
Methyl cyclohexane	mg/kg	ND (1.9)	ND (1.5)
Methyl Tert Butyl Ether	mg/kg	ND (0.39)	ND (0.3)
Methylene chloride	mg/kg	ND (0.39)	ND (0.3)
Styrene	mg/kg	ND (0.078)	ND (0.061)
Tetrachloroethene	mg/kg	ND (0.078)	ND (0.061)
Toluene	mg/kg	ND (0.16)	ND (0.12)
trans-1,2-Dichloroethene	mg/kg	ND (0.078)	ND (0.061)
trans-1,3-Dichloropropene	mg/kg	ND (0.078)	ND (0.061)
Trichloroethene	mg/kg	ND (0.078)	ND (0.061)
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.16)	ND (0.12)
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.39)	ND (0.12)
Vinyl chloride	mg/kg	ND (0.16)	ND (0.12)
Xylene (total)	mg/kg	ND (0.23)	ND (0.18)

Note:

mg/kg Milligrams per Kilogram.

TABLE 5.2

GROUNDWATER SAMPLE RESULTS
PHASE I FIELD PILOT TEST
AREA A0I 31, 13000 ECKLES ROAD
LIVONIA, MICHIGAN

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
Sample Location:		*MW3S-02*	*MW3S-02*	*TMW1-03*	*TMW1-03*
After:		*pre-treatment*	*after treatment*	*pre-treatment*	*after treatment*
Sample ID:		*GW-040504-MM-1564*	*GW-042104-MM-1570*	*GW-040504-MM-1565*	*GW-042104-MM-1571*
Sample Date:		*4/5/2004*	*4/21/2004*	*4/5/2004*	*4/21/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*
Volatile Organic Compounds	*Units*				
1,1,1-Trichloroethane	mg/L	0.011	0.0095	0.0023	0.0035
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,1-Dichloroethane	mg/L	0.00039	ND (0.0033)	ND (0.001)	ND (0.005)
1,1-Dichloroethene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	0.024	ND (0.025)	0.052
2-Hexanone	mg/L	ND (0.05)	ND (0.017)	ND (0.05)	ND (0.25)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	ND (0.017)	ND (0.05)	ND (0.25)
Acetone	mg/L	0.0013	0.25	0.00091	0.27
Benzene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Bromodichloromethane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Bromoform	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Carbon disulfide	mg/L	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.25)
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Chlorobenzene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Chloroethane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Chloroform (Trichloromethane)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
cis-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Cyclohexane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Dibromochloromethane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Ethylbenzene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Isopropylbenzene	mg/L	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.25)
Methyl acetate	mg/L	ND (0.01)	ND (0.033)	ND (0.01)	ND (0.5)
Methyl cyclohexane	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.25)
Methylene chloride	mg/L	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.25)
Styrene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Tetrachloroethene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Toluene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Trichloroethene	mg/L	0.028	0.021	0.007	0.011
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Vinyl chloride	mg/L	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.005)
Xylene (total)	mg/L	ND (0.003)	ND (0.01)	ND (0.003)	ND (0.015)

TABLE 5.2

GROUNDWATER SAMPLE RESULTS
PHASE I FIELD PILOT TEST
AREA A0I 31, 13000 ECKLES ROAD
LIVONIA, MICHIGAN

AOI:		***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***
Sample Location:		***MW3S-02***	***MW3S-02***	***TMW1-03***	***TMW1-03***
After:		***pre-treatment***	***after treatment***	***pre-treatment***	***after treatment***
Sample ID:		***GW-040504-MM-1564***	***GW-042104-MM-1570***	***GW-040504-MM-1565***	***GW-042104-MM-1571***
Sample Date:		***4/5/2004***	***4/21/2004***	***4/5/2004***	***4/21/2004***
Matrix:		***WG***	***WG***	***WG***	***WG***
Volatile Organic Compounds	***Units***				
Metals					
Manganese	mg/L	0.12	0.58	0.0062	0.0056
Manganese (Dissolved)	mg/L	0.13	0.55	0.012	0.017
Potassium	mg/L	2.8	4.4	2.3	14
General Chemistry					
Chloride	mg/L	14.9	9.3	21.7	13
Potassium Permanganate	%	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Total Dissolved Solids (TDS)	mg/L	340	410	470	800
Total Suspended Solids (TSS)	mg/L	ND (4.0)	3.0	ND (4.0)	ND (4.0)
Biological					
Aerobic TCE Specific Microbial Population	CFU/mL	ND	40	ND	100
Aerobic Total Microbial Population	CFU/mL	40	56000	130	59000
Anaerobic TCE Specific Microbial Population	CFU/mL	ND	60	ND	110
Anaerobic Total Microbial Population	CFU/mL	60	6500	100	7000
Percent Removals/Increases					
Percent Trichloroethylene Removal	%	--	25	--	<1
Percent Potassium Increase	%	--	57.1	--	218
Percent Manganese Increase	%	--	383	--	<1

TABLE 5.3

LIST OF FIELD PILOT STUDY MONITORING WELLS
AOI 31
LIVONIA, MICHIGAN

Well	*Maximum TCE Concentration (mg/L)*
MW-4S-02	0.099
MW-3S-02	0.079
MW-104S	0.014
MW-101	0.038
MW-103S	0.1

TABLE 5.4

ANALYTICAL RESULTS SUMMARY - IW1S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

AOI:		***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***
IW:		***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***
Sample Location:		***MW-4S-02***	***MW-4S-02***	***MW-4S-02***	***MW-6S-04***	***MW-6S-04***	***MW-6S-04***	***MW-6S-04***	***MW-7S-04***	***MW-7S-04***	***MW-7S-04***
After:		***pre-injection***	***after 1 week***	***after 3 weeks***	***pre-injection***	***pre-injection***	***after 1 week***	***after 3 weeks***	***pre-injection***	***after 1 week***	***after 3 weeks***
Sample ID:		***GW-070604-CB-1769***	***GW-071404-BF-1787***	***GW-072804-BF-1800***	***GW-070604-CB-1766***	***GW-070604-CB-1767***	***GW-071404-BF-1785***	***GW-072804-BF-1799***	***GW-070604-CB-1768***	***GW-071404-BF-1786***	***GW-072804-BF-1798***
Sample Date:		***7/6/2004***	***7/14/2004***	***7/28/2004***	***7/6/2004***	***7/6/2004***	***7/14/2004***	***7/28/2004***	***7/6/2004***	***7/14/2004***	***7/28/2004***
Matrix:		***WG***	***WG***	***WG***	***WG***	***WG***	***WG***	***WG***	***WG***	***WG***	***WG***
Sampling Event:		***AOI 31 Interim Measure***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure Dupl.***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure***	***AOI 31 Interim Measure***
Volatile Organic Compounds	***Units***										
1,1,1-Trichloroethane	mg/L	0.021	0.029	0.028	0.016	0.016	0.023	0.019	0.02	0.02	0.02
1,1,2,2-Tetrachloroethane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,1,2-Trichloroethane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,1-Dichloroethane	mg/L	0.00056	ND (0.0057)	ND (0.002)	0.0004	0.00044	ND (0.0057)	ND (0.0012)	0.00042	ND (0.005)	ND (0.0012)
1,1-Dichloroethene	mg/L	0.0012	ND (0.0057)	ND (0.002)	0.00091	0.00091	ND (0.0057)	ND (0.0012)	0.001	ND (0.005)	ND (0.0012)
1,2,4-Trichlorobenzene	mg/L	ND (0.01)	ND (0.029)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.029)	ND (0.0062)	ND (0.005)	ND (0.025)	ND (0.0062)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,2-Dichlorobenzene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,2-Dichloroethane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,2-Dichloropropane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,3-Dichlorobenzene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
1,4-Dichlorobenzene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.05)	0.14	0.0028	ND (0.025)	ND (0.025)	0.09	0.0024	ND (0.025)	0.073	0.0013
2-Hexanone	mg/L	ND (0.1)	0.0068	0.0021	ND (0.05)	ND (0.05)	ND (0.29)	0.00076	ND (0.05)	0.0027	ND (0.062)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.1)	0.0032	ND (0.1)	ND (0.05)	ND (0.05)	ND (0.29)	0.00059	ND (0.05)	ND (0.25)	ND (0.062)
Acetone	mg/L	0.0025	0.37	0.012	ND (0.025)	ND (0.025)	0.36	0.012	0.0011	0.29	0.0089
Benzene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Bromodichloromethane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Bromoform	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Bromomethane (Methyl Bromide)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Carbon disulfide	mg/L	ND (0.01)	ND (0.029)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.029)	ND (0.0062)	ND (0.005)	ND (0.025)	ND (0.0062)
Carbon tetrachloride	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Chlorobenzene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Chloroethane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Chloroform (Trichloromethane)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Chloromethane (Methyl Chloride)	mg/L	ND (0.002)	0.0011	ND (0.002)	ND (0.001)	ND (0.001)	0.0012	ND (0.0012)	ND (0.001)	0.0012	ND (0.0012)
cis-1,2-Dichloroethene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
cis-1,3-Dichloropropene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Cyclohexane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Dibromochloromethane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Ethylbenzene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Isopropylbenzene	mg/L	ND (0.01)	ND (0.029)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.029)	ND (0.0062)	ND (0.005)	ND (0.025)	ND (0.0062)
Methyl acetate	mg/L	ND (0.02)	ND (0.057)	ND (0.02)	ND (0.01)	ND (0.01)	ND (0.057)	ND (0.012)	ND (0.01)	ND (0.05)	ND (0.012)
Methyl cyclohexane	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Methyl Tert Butyl Ether	mg/L	ND (0.01)	ND (0.029)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.029)	ND (0.0062)	ND (0.005)	ND (0.025)	ND (0.0062)
Methylene chloride	mg/L	ND (0.01)	ND (0.029)	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.029)	ND (0.0062)	ND (0.005)	ND (0.025)	ND (0.0062)
Styrene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Tetrachloroethene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Toluene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
trans-1,2-Dichloroethene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
trans-1,3-Dichloropropene	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Trichloroethene	mg/L	0.054	0.067	0.054	0.036	0.036	0.042	0.038	0.035	0.035	0.039
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Vinyl chloride	mg/L	ND (0.002)	ND (0.0057)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0057)	ND (0.0012)	ND (0.001)	ND (0.005)	ND (0.0012)
Xylene (total)	mg/L	ND (0.006)	ND (0.017)	ND (0.006)	ND (0.003)	ND (0.003)	ND (0.017)	ND (0.0038)	ND (0.003)	ND (0.015)	ND (0.0038)

TABLE 5.4

ANALYTICAL RESULTS SUMMARY - IW1S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*	*IW 1S*
Sample Location:		*MW-4S-02*	*MW-4S-02*	*MW-4S-02*	*MW-6S-04*	*MW-6S-04*	*MW-6S-04*	*MW-6S-04*	*MW-7S-04*	*MW-7S-04*	*MW-7S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Metals											
Manganese	mg/L	0.0027	0.028	0.047	0.016	0.017	0.020	0.15	0.014	0.014	0.098
Manganese (Dissolved)	mg/L	0.0040	0.026	0.050	0.017	0.015	0.032	0.15	0.016	0.024	0.13
Potassium	mg/L	1.4	406	201	2.1	2.2	18.5	222	2.6	205	192
General Chemistry											
Chloride	mg/L	16.9	9.6	7.0	30.7	31.2	11.0	18.4	27.5	23.4	15.8
Potassium Permanganate	%	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	--	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Total Dissolved Solids (TDS)	mg/L	320	1500	620	460	470	830	740	440	940	700
Total Suspended Solids (TSS)	mg/L	ND (4.0)	11	ND (4.0)	ND (4.0)	ND (4.0)	3.0	ND (4.0)	ND (4.0)	7.0	ND (4.0)
Biological											
Aerobic TCE Specific Microbial Population	CFU/mL	250	190	560	ND	--	60	310	ND	130	520
Aerobic Total Microbial Population	CFU/mL	2600	24000	23000	2300	--	40000	22000	20000	48000	22000
Anaerobic TCE Specific Microbial Population	CFU/mL	ND	30	210	ND	--	70	260	ND	570	350
Anaerobic Total Microbial Population	CFU/mL	ND	1300	50	ND	--	1200	9000	60	280	20

TABLE 5.5

ANALYTICAL RESULTS SUMMARY - IW2S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*
Sample Location:		*MW-3S-02*	*MW-3S-02*	*MW-3S-02*	*MW-3S-02*	*MW-8S-04*	*MW-8S-04*	*MW-8S-04*	*MW-9S-04*	*MW-9S-04*	*MW-9S-04*
After:		*pre-injection*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Sample ID:		*GW-070604-DCR-1770*	*GW-070604-DCR-1771*	*GW-071404-MM-1790*	*GW-072804-BF-1803*	*GW-070604-DCR-1772*	*GW-071404-MM-1789*	*GW-072804-BF-1801*	*GW-070604-CB-1773*	*GW-071404-MM-1788*	*GW-072804-BF-1802*
Sample Date:		*7/6/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*
Volatile Organic Compounds	*Units*										
1,1,1-Trichloroethane	mg/L	0.018	0.02	0.024	0.023	0.0056	0.0065	0.0029	0.0067	0.0065	0.0013
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,1,2-Trichloroethane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,1-Dichloroethane	mg/L	0.0006	0.001	ND (0.005)	0.00086	0.00033	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,1-Dichloroethene	mg/L	ND (0.0017)	0.0013	ND (0.005)	ND (0.0012)	0.00035	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,2,4-Trichlorobenzene	mg/L	ND (0.0084)	ND (0.0072)	ND (0.025)	ND (0.0062)	ND (0.005)	ND (0.017)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.01)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,2-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,2-Dichloroethane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,2-Dichloropropane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,3-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
1,4-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.042)	ND (0.036)	0.062	0.0069	ND (0.025)	0.013	0.026	ND (0.025)	ND (0.025)	0.015
2-Hexanone	mg/L	ND (0.084)	ND (0.072)	ND (0.25)	0.0029	ND (0.05)	ND (0.17)	ND (0.12)	ND (0.05)	ND (0.05)	ND (0.1)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.084)	ND (0.072)	0.0022	0.00091	ND (0.05)	ND (0.17)	ND (0.12)	ND (0.05)	ND (0.05)	0.00075
Acetone	mg/L	0.0027	0.0025	0.3	0.028	0.0017	0.16	0.15	0.0015	0.0016	0.1
Benzene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Bromodichloromethane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Bromoform	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Bromomethane (Methyl Bromide)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Carbon disulfide	mg/L	ND (0.0084)	ND (0.0072)	ND (0.025)	ND (0.0062)	ND (0.005)	ND (0.017)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.01)
Carbon tetrachloride	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Chlorobenzene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Chloroethane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Chloroform (Trichloromethane)	mg/L	0.0007	0.00078	0.0009	0.00076	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Chloromethane (Methyl Chloride)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
cis-1,2-Dichloroethene	mg/L	0.00047	0.00051	0.0018	0.011	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
cis-1,3-Dichloropropene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Cyclohexane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Dibromochloromethane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Ethylbenzene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Isopropylbenzene	mg/L	ND (0.0084)	ND (0.0072)	ND (0.025)	ND (0.0062)	ND (0.005)	ND (0.017)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.01)
Methyl acetate	mg/L	ND (0.017)	ND (0.014)	ND (0.05)	ND (0.012)	ND (0.01)	ND (0.033)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.02)
Methyl cyclohexane	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Methyl Tert Butyl Ether	mg/L	ND (0.0084)	ND (0.0072)	ND (0.025)	ND (0.0062)	ND (0.005)	ND (0.017)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.01)
Methylene chloride	mg/L	ND (0.0084)	ND (0.0072)	ND (0.025)	ND (0.0062)	ND (0.005)	ND (0.017)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.01)
Styrene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Tetrachloroethene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Toluene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	0.0006
trans-1,2-Dichloroethene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
trans-1,3-Dichloropropene	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Trichloroethene	mg/L	0.045	0.05	0.058	0.04	0.013	0.016	0.0067	0.021	0.019	0.0033
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Vinyl chloride	mg/L	ND (0.0017)	ND (0.0014)	ND (0.005)	ND (0.0012)	ND (0.001)	ND (0.0033)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.002)
Xylene (total)	mg/L	ND (0.005)	ND (0.0043)	ND (0.015)	ND (0.0038)	ND (0.003)	ND (0.01)	ND (0.0075)	ND (0.003)	ND (0.003)	ND (0.006)

TABLE 5.5

ANALYTICAL RESULTS SUMMARY - IW2S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

IW:		*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*	*IW 2S*
Sample Location:		*MW-3S-02*	*MW-3S-02*	*MW-3S-02*	*MW-3S-02*	*MW-8S-04*	*MW-8S-04*	*MW-8S-04*	*MW-9S-04*	*MW-9S-04*	*MW-9S-04*
After:		*pre-injection*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Sample ID:		*GW-070604-DCR-1770*	*GW-070604-DCR-1771*	*GW-071404-MM-1790*	*GW-072804-BF-1803*	*GW-070604-DCR-1772*	*GW-071404-MM-1789*	*GW-072804-BF-1801*	*GW-070604-CB-1773*	*GW-071404-MM-1788*	*GW-072804-BF-1802*
Sample Date:		*7/6/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*
Metals											
Manganese	mg/L	0.37	0.39	1.4	1.4	0.12	0.22	0.30	0.10	0.088	0.14
Manganese (Dissolved)	mg/L	0.38	0.37	1.5	1.5	0.13	0.19	0.38	0.098	0.085	0.14
Potassium	mg/L	86.1	88.8	317	300	40.1	43.7	271	85.1	65.1	189
General Chemistry											
Chloride	mg/L	9.8	9.8	10.3	9.8	30.3	29.5	28.3	27.7	31.1	30.2
Potassium Permanganate	%	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Total Dissolved Solids (TDS)	mg/L	450	460	1100	960	590	690	1200	590	580	1000
Total Suspended Solids (TSS)	mg/L	5.0	4.0	14	9.0	5.0	ND (4.0)	8.0	5.0	ND (4.0)	7.0
Biological											
Aerobic TCE Specific Microbial Population	CFU/mL	20	20	170	920	20	20	1200	30	20	480
Aerobic Total Microbial Population	CFU/mL	1500	1900	16000	8300	720	13000	20000	1200	12000	1100
Anaerobic TCE Specific Microbial Population	CFU/mL	ND	ND	220	1900	ND	ND	2300	ND	10	1200
Anaerobic Total Microbial Population	CFU/mL	40	30	2000	670	10	ND	5100	ND	ND	1200

TABLE 5.6

ANALYTICAL RESULTS SUMMARY - IW3S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*
Sample Location:		*MW-101S*	*MW-101S*	*MW-101S*	*MW-10S-04*	*MW-10S-04*	*MW-10S-04*	*MW-11S-04*	*MW-11S-04*	*MW-11S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Sample ID:		*GW-070604-CB-1776*	*GW-071404-BF-1793*	*GW-072804-MM-1813*	*GW-070604-MM-1775*	*GW-071404-BF-1792*	*GW-072804-MM-1812*	*GW-070604-MM-1774*	*GW-071404-BF-1791*	*GW-072804-MM-1811*
Sample Date:		*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*
Volatile Organic Compounds	*Units*									
1,1,1-Trichloroethane	mg/L	0.0065	0.019	0.0062	0.00094	0.0061	0.0076	0.0081	0.008	0.0037
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.033)	ND (0.0072)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	0.078	0.0012	ND (0.025)	0.1	0.028	ND (0.025)	ND (0.025)	0.015
2-Hexanone	mg/L	ND (0.05)	0.0087	0.00066	ND (0.05)	ND (0.33)	0.0071	ND (0.05)	ND (0.05)	0.00045
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	0.0029	ND (0.05)	ND (0.05)	ND (0.33)	0.0025	ND (0.05)	ND (0.05)	0.00054
Acetone	mg/L	0.00096	0.33	0.0046	0.0013	0.45	0.11	0.0015	0.0014	0.056
Benzene	mg/L	ND (0.001)	0.0012	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Bromodichloromethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Bromoform	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	mg/L	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.033)	ND (0.0072)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Chlorobenzene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	0.0002	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	0.00097	ND (0.001)	ND (0.001)	0.0015	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	0.00022	ND (0.001)	ND (0.001)
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Cyclohexane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromochloromethane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	mg/L	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.033)	ND (0.0072)	ND (0.005)	ND (0.005)	ND (0.005)
Methyl acetate	mg/L	ND (0.01)	ND (0.05)	ND (0.01)	ND (0.01)	ND (0.067)	ND (0.014)	ND (0.01)	ND (0.01)	ND (0.01)
Methyl cyclohexane	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.033)	ND (0.0072)	ND (0.005)	ND (0.005)	ND (0.005)
Methylene chloride	mg/L	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.033)	ND (0.0072)	ND (0.005)	ND (0.005)	ND (0.005)
Styrene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	mg/L	ND (0.001)	ND (0.005)	0.00038	ND (0.001)	ND (0.0067)	0.00042	ND (0.001)	ND (0.001)	0.0003
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	mg/L	0.021	0.029	0.013	0.0028	0.019	0.021	0.024	0.024	0.0098
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl chloride	mg/L	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.0067)	ND (0.0014)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	mg/L	ND (0.003)	ND (0.015)	ND (0.003)	ND (0.003)	ND (0.02)	ND (0.0043)	ND (0.003)	ND (0.003)	ND (0.003)

TABLE 5.6

ANALYTICAL RESULTS SUMMARY - IW3S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

IW:		*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*	*IW 3S*
Sample Location:		*MW-101S*	*MW-101S*	*MW-101S*	*MW-10S-04*	*MW-10S-04*	*MW-10S-04*	*MW-11S-04*	*MW-11S-04*	*MW-11S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Sample ID:		*GW-070604-CB-1776*	*GW-071404-BF-1793*	*GW-072804-MM-1813*	*GW-070604-MM-1775*	*GW-071404-BF-1792*	*GW-072804-MM-1812*	*GW-070604-MM-1774*	*GW-071404-BF-1791*	*GW-072804-MM-1811*
Sample Date:		*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*
Metals										
Manganese	mg/L	ND (0.015)	6.4	0.014	0.0083	0.28	0.11	0.038	0.012	0.11
Manganese (Dissolved)	mg/L	0.0038	5.6	0.016	0.0098	0.21	0.11	0.042	0.019	0.12
Potassium	mg/L	3.1	400	71.5	1.4	135	474	2.7	3.2	51.4
General Chemistry										
Chloride	mg/L	20.4	15.8	19.8	52.2	23.9	37.6	27.7	29.9	36.6
Potassium Permanganate	%	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Total Dissolved Solids (TDS)	mg/L	530	1400	640	610	1000	1400	570	570	750
Total Suspended Solids (TSS)	mg/L	ND (4.0)	66	ND (4.0)	4.0	7.0	ND (4.0)	ND (4.0)	4.0	ND (4.0)
Biological										
Aerobic TCE Specific Microbial Population	CFU/mL	ND	40	1300	30	450	1400	260	180	350
Aerobic Total Microbial Population	CFU/mL	40	ND	8900	6100	19000	18000	11000	4400	14000
Anaerobic TCE Specific Microbial Population	CFU/mL	ND	10	120	150	290	180	470	470	1500
Anaerobic Total Microbial Population	CFU/mL	10	ND	10	1100	580	580	2800	410	130

TABLE 5.7

ANALYTICAL RESULTS SUMMARY - IW4S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*
Sample Location:		*MW-102S*	*MW-102S*	*MW-102S*	*MW-12S-04*	*MW-12S-04*	*MW-12S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 1 week*	*after 1 week*	*after 3 weeks*	*after 3 weeks*
Sample ID:		*GW-070604-MM-1765*	*GW-071404-MM-1784*	*GW-072804-MM-1810*	*GW-070604-MM-1764*	*GW-071404-MM-1783*	*GW-072804-MM-1809*	*GW-070604-MM-1763*	*GW-071404-MM-1781*	*GW-071404-MM-1782*	*GW-072804-MM-1807*	*GW-072804-MM-1808*	
Sample Date:		*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/14/2004*	*7/28/2004*	*7/28/2004*	
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*
Volatile Organic Compounds	***Units***												
1,1,1-Trichloroethane	mg/L	0.026	0.031	0.023	0.021	0.029	0.031	0.025	0.021	0.022	0.026	0.026	
1,1,2,2-Tetrachloroethane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,1,2-Trichloroethane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,1-Dichloroethane	mg/L	0.0012	0.00078	0.00063	0.00063	ND (0.005)	0.00086	0.0013	0.00076	0.00079	0.00094	0.00091	
1,1-Dichloroethene	mg/L	0.0012	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	0.0018	0.0012	ND (0.0017)	ND (0.0017)	0.0016	0.0015	
1,2,4-Trichlorobenzene	mg/L	ND (0.0084)	ND (0.012)	ND (0.0084)	ND (0.01)	ND (0.025)	ND (0.0084)	ND (0.01)	ND (0.0084)	ND (0.0084)	ND (0.01)	ND (0.01)	
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,2-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,2-Dichloroethane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,2-Dichloropropane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,3-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
1,4-Dichlorobenzene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.042)	0.043	0.00095	ND (0.05)	0.071	0.0026	ND (0.05)	0.0065	0.0066	ND (0.05)	ND (0.05)	
2-Hexanone	mg/L	ND (0.084)	0.0034	0.00062	ND (0.1)	ND (0.25)	ND (0.084)	ND (0.1)	ND (0.084)	ND (0.084)	ND (0.1)	ND (0.1)	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.084)	0.0014	ND (0.084)	ND (0.1)	ND (0.25)	0.00056	ND (0.1)	ND (0.084)	ND (0.084)	ND (0.1)	ND (0.1)	
Acetone	mg/L	0.0025	0.2	0.0044	0.0019	0.33	0.0097	ND (0.05)	0.032	0.034	ND (0.05)	ND (0.05)	
Benzene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Bromodichloromethane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Bromoform	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Bromomethane (Methyl Bromide)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Carbon disulfide	mg/L	ND (0.0084)	ND (0.012)	ND (0.0084)	ND (0.01)	ND (0.025)	ND (0.0084)	ND (0.01)	ND (0.0084)	ND (0.0084)	ND (0.01)	ND (0.01)	
Carbon tetrachloride	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Chlorobenzene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Chloroethane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Chloroform (Trichloromethane)	mg/L	ND (0.0017)	0.00049	ND (0.0017)	ND (0.002)	ND (0.005)	0.00032	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Chloromethane (Methyl Chloride)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
cis-1,2-Dichloroethene	mg/L	0.0022	0.0013	0.0016	0.0019	0.002	0.0017	0.0026	0.0021	0.0023	0.0023	0.0021	
cis-1,3-Dichloropropene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Cyclohexane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Dibromochloromethane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Ethylbenzene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Isopropylbenzene	mg/L	ND (0.0084)	ND (0.012)	ND (0.0084)	ND (0.01)	ND (0.025)	ND (0.0084)	ND (0.01)	ND (0.0084)	ND (0.0084)	ND (0.01)	ND (0.01)	
Methyl acetate	mg/L	ND (0.017)	ND (0.025)	ND (0.017)	ND (0.02)	ND (0.05)	ND (0.017)	ND (0.02)	ND (0.017)	ND (0.017)	ND (0.02)	ND (0.02)	
Methyl cyclohexane	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Methyl Tert Butyl Ether	mg/L	ND (0.0084)	ND (0.012)	ND (0.0084)	ND (0.01)	ND (0.025)	ND (0.0084)	ND (0.01)	ND (0.0084)	ND (0.0084)	ND (0.01)	ND (0.01)	
Methylene chloride	mg/L	ND (0.0084)	ND (0.012)	ND (0.0084)	ND (0.01)	ND (0.025)	0.0009	ND (0.01)	ND (0.0084)	ND (0.0084)	0.0012	0.0011	
Styrene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Tetrachloroethene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Toluene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
trans-1,2-Dichloroethene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
trans-1,3-Dichloropropene	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Trichloroethene	mg/L	0.056	0.043	0.042	0.044	0.057	0.055	0.053	0.046	0.047	0.055	0.052	
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Vinyl chloride	mg/L	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.002)	ND (0.005)	ND (0.0017)	ND (0.002)	ND (0.0017)	ND (0.0017)	ND (0.002)	ND (0.002)	
Xylene (total)	mg/L	ND (0.005)	ND (0.0075)	ND (0.005)	ND (0.006)	ND (0.015)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.006)	

TABLE 5.7

ANALYTICAL RESULTS SUMMARY - IW4S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

IW:		*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*
Sample Location:		*MW-102S*	*MW-102S*	*MW-102S*	*MW-12S-04*	*MW-12S-04*	*MW-12S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 1 week*	*after 3 weeks*	*after 3 weeks*
Sample ID:		*GW-070604-MM-1765*	*GW-071404-MM-1784*	*GW-072804-MM-1810*	*GW-070604-MM-1764*	*GW-071404-MM-1783*	*GW-072804-MM-1809*	*GW-070604-MM-1763*	*GW-071404-MM-1781*	*GW-071404-MM-1782*	*GW-072804-MM-1807*	*GW-072804-MM-1808*
Sample Date:		*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/14/2004*	*7/28/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*
Metals												
Manganese	mg/L	0.0014	0.42	0.19	0.016	0.022	0.078	0.010	0.0052	0.0057	0.0032	0.0031
Manganese (Dissolved)	mg/L	0.0035	0.29	0.086	0.017	0.029	0.080	0.013	0.014	0.0052	0.017	0.0032
Potassium	mg/L	2.7	225	86.9	2.6	106	189	2.6	3.1	2.9	16.6	16.7
General Chemistry												
Chloride	mg/L	15.0	13.4	16.4	15.4	13.3	16.7	17.8	19.6	19.6	24.4	24.8
Potassium Permanganate	%	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	--	ND (0.0005)	--
Total Dissolved Solids (TDS)	mg/L	430	910	560	440	810	710	460	510	520	560	570
Total Suspended Solids (TSS)	mg/L	ND (4.0)	4.0	ND (4.0)	ND (4.0)	3.0	ND (4.0)	ND (4.0)	5.0	ND (4.0)	ND (4.0)	ND (4.0)
Biological												
Aerobic TCE Specific Microbial Population	CFU/mL	40	270	450	70	40	230	ND	30	--	ND	--
Aerobic Total Microbial Population	CFU/mL	90	21000	1400	7000	28000	21000	2800	7000	--	410	--
Anaerobic TCE Specific Microbial Population	CFU/mL	ND	50	490	230	160	2600	100	520	--	ND	--
Anaerobic Total Microbial Population	CFU/mL	ND	290	20	2000	2200	300	510	270	--	30	--

TABLE 5.8

ANALYTICAL RESULTS SUMMARY - IW5S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*
Sample Location:		*MW-104S*	*MW-104S*	*MW-104S*	*MW-104S*	*MW-14S-04*	*MW-14S-04*	*MW-14S-04*	*MW-15S-04*	*MW-15S-04*	*MW-15S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Sample ID:		*GW-070604-DCR-1762*	*GW-071404-MM-1796*	*GW-072804-MM-1814*	*GW-072804-MM-1815*	*GW-070604-DCR-1760*	*GW-071404-BF-1795*	*GW-072804-BF-1805*	*GW-070604-DCR-1761*	*GW-071404-BF-1794*	*GW-072804-BF-1804*
Sample Date:		*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*
Volatile Organic Compounds	*Units*										
1,1,1-Trichloroethane	mg/L	0.0096	0.01	0.0064	0.0061	0.014	0.015	0.014	0.0083	0.0085	0.0067
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	mg/L	0.00024	ND (0.001)	ND (0.001)	ND (0.001)	0.00047	0.00053	0.00064	0.00023	ND (0.001)	ND (0.001)
1,1-Dichloroethene	mg/L	0.00049	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00045	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	0.013	0.00062	0.00064	ND (0.025)	0.0012	0.0068	ND (0.025)	0.00096	ND (0.025)
2-Hexanone	mg/L	ND (0.05)	0.00084	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	0.00042	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Acetone	mg/L	ND (0.025)	0.065	0.0034	0.0031	0.0014	0.0081	0.046	0.00092	0.008	0.0016
Benzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromodichloromethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromoform	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00039	0.00018	ND (0.001)	0.00025	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cyclohexane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromochloromethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methyl acetate	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methyl cyclohexane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Styrene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	mg/L	ND (0.001)	ND (0.001)	0.00036	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00024
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	mg/L	0.011	0.0086	0.0088	0.0089	0.0061	0.0062	0.0063	0.0089	0.0089	0.0092
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl chloride	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	mg/L	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Metals											
Manganese	mg/L	ND (0.015)	0.51	0.64	0.57	0.022	0.018	0.015	0.011	0.014	0.0089
Manganese (Dissolved)	mg/L	0.0050	0.25	0.33	0.38	0.023	0.025	0.028	0.013	0.021	0.025
Potassium	mg/L	2.3	52.7	28.7	28.2	2.7	2.9	4.0	2.0	2.8	16.4

TABLE 5.8

ANALYTICAL RESULTS SUMMARY - IW5S
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN
JULY 2004

IW:		*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*
Sample Location:		*MW-104S*	*MW-104S*	*MW-104S*	*MW-104S*	*MW-14S-04*	*MW-14S-04*	*MW-14S-04*	*MW-15S-04*	*MW-15S-04*	*MW-15S-04*
After:		*pre-injection*	*after 1 week*	*after 3 weeks*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*	*pre-injection*	*after 1 week*	*after 3 weeks*
Sample ID:		*GW-070604-DCR-1762*	*GW-071404-MM-1796*	*GW-072804-MM-1814*	*GW-072804-MM-1815*	*GW-070604-DCR-1760*	*GW-071404-BF-1795*	*GW-072804-BF-1805*	*GW-070604-DCR-1761*	*GW-071404-BF-1794*	*GW-072804-BF-1804*
Sample Date:		*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*	*7/6/2004*	*7/14/2004*	*7/28/2004*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
Sampling Event:		*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure Dupl.*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*	*AOI 31 Interim Measure*
General Chemistry											
Chloride	mg/L	32.2	30.0	30.8	31.1	23.8	25.4	27.0	32.6	32.0	35.6
Potassium Permanganate	%	ND (0.0005)	ND (0.0005)	ND (0.0005)	--	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Total Dissolved Solids (TDS)	mg/L	440	500	470	460	430	460	520	400	460	480
Total Suspended Solids (TSS)	mg/L	3.0	5.0	ND (4.0)	ND (4.0)	ND (4.0)	3.0	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Biological											
Aerobic TCE Specific Microbial Population	CFU/mL	ND	100	30	--	ND	840	ND	ND	30	30
Aerobic Total Microbial Population	CFU/mL	ND	20	ND	--	4600	50	640	3300	21000	90
Anaerobic TCE Specific Microbial Population	CFU/mL	40	ND	ND	--	ND	40	ND	40	30	ND
Anaerobic Total Microbial Population	CFU/mL	ND	1100	ND	--	290	2800	30	150	1200	20

TABLE 5.9

PERCENT TCE REDUCTION
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN

AOI:		***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***
IW:		***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***	***IW 1S***
Sample Location:		***MW-4S-02***	***MW-4S-02***	***MW-6S-04***	***MW-6S-04***	***MW-7S-04***	***MW-7S-04***
After:		***after 1 week***	***after 3 weeks***	***after 1 week***	***after 3 weeks***	***after 1 week***	***after 3 weeks***
	Units						
% TCE Removal	%	<1	<1	<1	<1	<1	<1
% Potassium Increase	%	28900	14300	741	9990	7790	7290

AOI:		***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***
IW:		***IW 2S***	***IW 2S***	***IW 2S***	***IW 2S***	***IW 2S***	***IW 2S***
Sample Location:		***MW-3S-02***	***MW-3S-02***	***MW-8S-04***	***MW-8S-04***	***MW-9S-04***	***MW-9S-04***
After:		***after 1 week***	***after 3 weeks***	***after 1 week***	***after 3 weeks***	***after 1 week***	***after 3 weeks***
	Units						
% TCE Removal	%	<1	20.0	<1	48.5	9.52	84.3
% Potassium Increase	%	257	238	8.98	576	<1	122

AOI:		***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***	***AOI 31***
IW:		***IW 3S***	***IW 3S***	***IW 3S***	***IW 3S***	***IW 3S***	***IW 3S***
Sample Location:		***MW-101S***	***MW-101S***	***MW-10S-04***	***MW-10S-04***	***MW-11S-04***	***MW-11S-04***
After:		***after 1 week***	***after 3 weeks***	***after 1 week***	***after 3 weeks***	***after 1 week***	***after 3 weeks***
	Units						
% TCE Removal	%	<1	38.1	<1	<1	<1	59.2
% Potassium Increase	%	12800	2210	9540	33800	18.5	1800

TABLE 5.9

PERCENT TCE REDUCTION
CHEMICAL OXIDATION FIELD PILOT TEST, AREA AOI 31, 13000
ECKLES ROAD SITE
LIVONIA, MICHIGAN

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*	*IW 4S*
Sample Location:		*MW-102S*	*MW-102S*	*MW-12S-04*	*MW-12S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*	*MW-13S-04*
After:		*after 1 week*	*after 3 weeks*	*after 1 week*	*after 3 weeks*	*after 1 week*	*after 1 week*	*after 3 weeks*	*after 3 weeks*
	Units						*Dupl.*		*Dupl.*
% TCE Removal	%	23.2	25.0	<1	-25.0	13.2	11.3	<1	1.9
% Potassium Increase	%	8230	3120	3980	7170	19.2	11.5	538	542

AOI:		*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*	*AOI 31*
IW:		*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*	*IW 5S*
Sample Location:		*MW-104S*	*MW-104S*	*MW-104S*	*MW-14S-04*	*MW-14S-04*	*MW-15S-04*	*MW-15S-04*
After:		*after 1 week*	*after 3 weeks*	*after 3 weeks*	*after 1 week*	*after 3 weeks*	*after 1 week*	*after 3 weeks*
				Dupl.				
% TCE Removal	%	21.8	20.0	19.1	<1	<1	<1	<1
% Potassium Increase	%	2190	1150	1230	7.41	48.1	40.0	720

TABLE 5.10

SLUG TEST RESULTS
JULY 30, 2004
13000 ECKLES ROAD
LIVONIA, MICHIGAN

Well	*Test*	*Hydraulic* Conductivity (ft/min)*	*Hydraulic* Conductivity (cm/sec)*
IW1S-04	Rising Head	1.33E-02	6.75E-03
IW1S-04	Rising Head	1.24E-02	6.29E-03
IW1S-04	Rising Head	1.42E-02	7.19E-03
IW2S-04	Rising Head	8.83E-03	4.48E-03
IW2S-04	Rising Head	9.06E-03	4.60E-03
IW2S-04	Rising Head	8.25E-03	4.19E-03
IW3S-04	Rising Head	8.60E-03	4.37E-03
IW3S-04	Rising Head	9.18E-03	4.67E-03
IW3S-04	Rising Head	9.60E-03	4.88E-03
IW4S-04	Rising Head	5.76E-03	2.93E-03
IW4S-04	Rising Head	5.75E-03	2.92E-03
IW4S-04	Rising Head	5.81E-03	2.95E-03
IW5S-04	Rising Head	7.33E-03	3.72E-03
IW5S-04	Rising Head	6.74E-03	3.42E-03
IW5S-04	Rising Head	6.01E-03	3.05E-03
Geometric Mean		8.35E-03	4.24E-03

Notes:

* Based on slug tests performed by CRA on July 30, 2004

Data analyzed using Bouwer-Rice Method for
Unconfined Aquifers

APPENDIX A

RFI SOIL AND GROUNDWATER DATA

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*AOI 22*	*AOI 22*	*AOI 22*	*AOI 22*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-22-1*	*SB-22-1*	*SB-22-2*	*SB-22-2*	*MW-A1-4D*	*MW-A1-4D*	*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5D*
Depth:		*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*1.8-3.8 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*20-22.5 ft BGS*
Sample ID:		*S-092502-MM-249*	*S-092502-MM-250*	*S-092502-MM-253*	*S-092502-MM-254*	*S-010803-MM-646*	*S-010803-MM-647*	*S-031003-DRD-1013*	*S-031003-DRD-1015*	*S-031003-DRD-1016*	*S-031003-DRD-1017*
Sample Date:		*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*1/8/2003*	*1/8/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE IA*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/kg	--	--	--	--	0.024 J	0.21	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	ND (0.11) UJ	ND (0.13) UJ	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
1,1-Dichloroethane	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
1,1-Dichloroethene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	ND (0.28) UJ	ND (0.33) UJ	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	--	--	ND (0.28) UJ	ND (0.33) UJ	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
1,2-Dichloroethane	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
1,2-Dichloropropane	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	--	--	ND (0.84) UJ	ND (1) UJ	--	--	--	--
2-Hexanone	mg/kg	--	--	--	--	ND (2.8)	ND (3.3)	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	--	--	ND (2.8)	ND (3.3)	--	--	--	--
Acetone	mg/kg	--	--	--	--	ND (0.84) UJ	ND (1) UJ	--	--	--	--
Benzene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Bromodichloromethane	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
Bromoform	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	--	--	--	--	R	R	--	--	--	--
Carbon disulfide	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
Carbon tetrachloride	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Cyclohexane	mg/kg	--	--	--	--	ND (1.4)	ND (1.6)	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
Methyl acetate	mg/kg	--	--	--	--	ND (1.4)	ND (1.6)	--	--	--	--
Methyl cyclohexane	mg/kg	--	--	--	--	ND (1.4)	ND (1.6)	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
Methylene chloride	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
Styrene	mg/kg	--	--	--	--	0.024 J	ND (0.067)	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Toluene	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Trichloroethene	mg/kg	--	--	--	--	ND (0.056)	ND (0.067)	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	--	--	ND (0.28)	ND (0.33)	--	--	--	--
Vinyl chloride	mg/kg	--	--	--	--	ND (0.11)	ND (0.13)	--	--	--	--
Xylene (total)	mg/kg	--	--	--	--	ND (0.17)	ND (0.2)	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*AOI 22*	*AOI 22*	*AOI 22*	*AOI 22*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-22-1*	*SB-22-1*	*SB-22-2*	*SB-22-2*	*MW-A1-4D*	*MW-A1-4D*	*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5D*
Depth:		*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*1.8-3.8 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*20-22.5 ft BGS*
Sample ID:		*S-092502-MM-249*	*S-092502-MM-250*	*S-092502-MM-253*	*S-092502-MM-254*	*S-010803-MM-646*	*S-010803-MM-647*	*S-031003-DRD-1013*	*S-031003-DRD-1015*	*S-031003-DRD-1016*	*S-031003-DRD-1017*
Sample Date:		*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*1/8/2003*	*1/8/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE IA*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*AOI 22*	*AOI 22*	*AOI 22*	*AOI 22*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-22-1*	*SB-22-1*	*SB-22-2*	*SB-22-2*	*MW-A1-4D*	*MW-A1-4D*	*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5D*
Depth:		*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*1.8-3.8 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*20-22.5 ft BGS*
Sample ID:		*S-092502-MM-249*	*S-092502-MM-250*	*S-092502-MM-253*	*S-092502-MM-254*	*S-010803-MM-646*	*S-010803-MM-647*	*S-031003-DRD-1013*	*S-031003-DRD-1015*	*S-031003-DRD-1016*	*S-031003-DRD-1017*
Sample Date:		*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*1/8/2003*	*1/8/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE IA*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Metals											
Antimony	mg/kg	ND (0.52)	ND (0.55) U	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.52)	--	--	--	--
Arsenic	mg/kg	1.8	1.6	1.5	1.3	2.9	1.1	--	--	--	--
Barium	mg/kg	13.3	10.9	9.5	9.3	22.7	4.0	--	--	--	--
Beryllium	mg/kg	ND (0.21) U	ND (0.22) U	ND (0.21) U	ND (0.22) U	0.13 J	ND (0.21)	--	--	--	--
Cadmium	mg/kg	0.055	0.043 J	0.072	0.057	0.067	0.049 J	--	--	--	--
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	101	271	268	612
Chromium Total	mg/kg	5.9	7.1	4.7	5.9	180	71.0	108	312	285	640
Chromium VI (Hexavalent)	mg/kg	ND (0.84)	0.56 J	0.37 J	ND (0.86)	--	--	6.9	40.4	17.5	28.3
Cobalt	mg/kg	2.8	2.0	1.9	2.5	6.0	1.3	--	--	--	--
Copper	mg/kg	3.3	9.9	15.5	5.8	5.6	2.8	--	--	--	--
Cyanide (total)	mg/kg	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.21)	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	4720	3990	3410	5860
Lead	mg/kg	2.9	2.7	3.7	3.7	7.4	ND (2.4) U	--	--	--	--
Manganese	mg/kg	304	118	136	160	497	99.3	--	--	--	--
Mercury	mg/kg	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	0.021 J	ND (0.10)	--	--	--	--
Nickel	mg/kg	7.2	7.9	21.1	16.4	8.7	3.7	14.8	83.0	51.8	88.5
Selenium	mg/kg	0.11 J	ND (0.22)	0.080 J	0.091 J	ND (0.22)	ND (0.21)	--	--	--	--
Silver	mg/kg	ND (0.52)	ND (0.55)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.52)	--	--	--	--
Thallium	mg/kg	ND (0.10) U	ND (0.11)	ND (0.11) U	ND (0.11) U	0.032 J	0.019 J	--	--	--	--
Vanadium	mg/kg	8.3	7.7	6.9	7.0	22.0	4.1	--	--	--	--
Zinc	mg/kg	14.1	10.9	13.4	11.2	14.2	7.5	--	--	--	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--
General Chemistry											
pH	s.u.	--	--	--	--	--	--	9.4	9.0	8.4	8.5
Total Solids	%	95.3	91.4	93.0	92.9	92.4	95.6	95.1	85.3	83.2	81.6

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-5D*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-7S*	*MW-A1-7S*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-9D*	*MW-A1-9D*
Depth:		*8-10 ft BGS*	*1-3 ft BGS*	*5-7 ft BGS*	*1-3 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*
Sample ID:		*S-031003-DRD-1014*	*S-030603-DCR-995*	*S-030603-DCR-996*	*S-030603-DCR-993*	*S-030603-DCR-994*	*S-022603-DCR-719*	*S-022603-DCR-720*	*S-022603-DCR-741*	*S-022503-DCR-715*	*S-022503-DCR-716*
Sample Date:		*3/10/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*2/26/2003*	*2/26/2003*	*2/26/2003*	*2/25/2003*	*2/25/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/kg	--	0.043	0.2	ND (0.055)	0.23	--	ND (0.053)	ND (0.067)	0.031	ND (0.058)
1,1,2,2-Tetrachloroethane	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
1,1,2-Trichloroethane	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
1,1-Dichloroethane	mg/kg	--	ND (0.048)	0.67	ND (0.055)	0.035	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
1,1-Dichloroethene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
1,2,4-Trichlorobenzene	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
1,2-Dichlorobenzene	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
1,2-Dichloroethane	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
1,2-Dichloropropane	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
1,3-Dichlorobenzene	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
1,4-Dichlorobenzene	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	ND (0.72)	ND (0.82)	ND (0.82)	ND (0.84)	--	ND (0.8)	ND (1)	ND (0.8)	0.071
2-Hexanone	mg/kg	--	ND (2.4)	ND (2.7)	ND (2.7)	ND (2.8)	--	ND (2.7)	ND (3.3)	ND (2.7)	ND (2.9)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	ND (2.4)	ND (2.7)	ND (2.7)	ND (2.8)	--	ND (2.7)	ND (3.3)	ND (2.7)	ND (2.9)
Acetone	mg/kg	--	ND (0.72)	ND (0.82)	ND (0.82)	ND (0.84)	--	ND (0.8)	ND (1)	0.14	0.19
Benzene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Bromodichloromethane	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
Bromoform	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
Bromomethane (Methyl Bromide)	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
Carbon disulfide	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	0.013	ND (0.29)
Carbon tetrachloride	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Chlorobenzene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Chloroethane	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
Chloroform (Trichloromethane)	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Chloromethane (Methyl Chloride)	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
cis-1,2-Dichloroethene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
cis-1,3-Dichloropropene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Cyclohexane	mg/kg	--	ND (1.1)	ND (1.3)	ND (1.3)	ND (1.3)	--	ND (1.3)	ND (1.6)	ND (1.3)	ND (1.4)
Dibromochloromethane	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Dichlorodifluoromethane (CFC-12)	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
Ethylbenzene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	0.02	0.03
Isopropylbenzene	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
Methyl acetate	mg/kg	--	ND (1.1)	ND (1.3)	ND (1.3)	ND (1.3)	--	0.029	ND (1.6)	0.05	0.16
Methyl cyclohexane	mg/kg	--	ND (1.1)	ND (1.3)	ND (1.3)	ND (1.3)	--	ND (1.3)	ND (1.6)	ND (1.3)	ND (1.4)
Methyl Tert Butyl Ether	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
Methylene chloride	mg/kg	--	ND (0.24)	ND (0.27)	0.032	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
Styrene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	0.018
Tetrachloroethene	mg/kg	--	0.011	0.026	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Toluene	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
trans-1,2-Dichloroethene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
trans-1,3-Dichloropropene	mg/kg	--	ND (0.048)	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Trichloroethene	mg/kg	--	0.03	ND (0.054)	ND (0.055)	ND (0.056)	--	ND (0.053)	ND (0.067)	ND (0.054)	ND (0.058)
Trichlorofluoromethane (CFC-11)	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
Trifluorotrichloroethane (Freon 113)	mg/kg	--	ND (0.24)	ND (0.27)	ND (0.27)	ND (0.28)	--	ND (0.27)	ND (0.33)	ND (0.27)	ND (0.29)
Vinyl chloride	mg/kg	--	ND (0.095)	ND (0.11)	ND (0.11)	ND (0.11)	--	ND (0.11)	ND (0.13)	ND (0.11)	ND (0.12)
Xylene (total)	mg/kg	--	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.17)	--	ND (0.16)	ND (0.2)	ND (0.16)	0.026

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-5D*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-7S*	*MW-A1-7S*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-9D*	*MW-A1-9D*
Depth:		*8-10 ft BGS*	*1-3 ft BGS*	*5-7 ft BGS*	*1-3 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*
Sample ID:		*S-031003-DRD-1014*	*S-030603-DCR-995*	*S-030603-DCR-996*	*S-030603-DCR-993*	*S-030603-DCR-994*	*S-022603-DCR-719*	*S-022603-DCR-720*	*S-022603-DCR-741*	*S-022503-DCR-715*	*S-022503-DCR-716*
Sample Date:		*3/10/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*2/26/2003*	*2/26/2003*	*2/26/2003*	*2/25/2003*	*2/25/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2,4,5-Trichlorophenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2,4,6-Trichlorophenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2,4-Dichlorophenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2,4-Dimethylphenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2,4-Dinitrophenol	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
2,4-Dinitrotoluene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2,6-Dinitrotoluene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2-Chloronaphthalene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2-Chlorophenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2-Methylnaphthalene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
2-Nitrophenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
3,3'-Dichlorobenzidine	mg/kg	--	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.1)	--	ND (22)	ND (2.4)	ND (53)	ND (56)
3-Nitroaniline	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
4,6-Dinitro-2-methylphenol	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
4-Bromophenyl phenyl ether	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
4-Chloro-3-methylphenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
4-Chloroaniline	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
4-Chlorophenyl phenyl ether	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
4-Nitrophenol	mg/kg	--	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	--	ND (19)	ND (2)	ND (45)	ND (48)
Acenaphthene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Acenaphthylene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Acetophenone	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Anthracene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Atrazine	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Benzaldehyde	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Benzo(a)anthracene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Benzo(a)pyrene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Benzo(b)fluoranthene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Benzo(g,h,i)perylene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Benzo(k)fluoranthene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Biphenyl	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
bis(2-Chloroethoxy)methane	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
bis(2-Chloroethyl)ether	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
bis(2-Ethylhexyl)phthalate	mg/kg	--	ND (0.36)	ND (0.37)	0.024	0.014	--	ND (3.7)	ND (0.39)	ND (8.8)	0.45
Butyl benzylphthalate	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Caprolactam	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Carbazole	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Chrysene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Dibenz(a,h)anthracene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Dibenzofuran	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Diethyl phthalate	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Dimethyl phthalate	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Di-n-butylphthalate	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Di-n-octyl phthalate	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Fluoranthene	mg/kg	--	ND (0.36)	ND (0.37)	0.02	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Fluorene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	0.36	0.052	ND (8.8)	ND (9.2)
Hexachlorobenzene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Hexachlorobutadiene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Hexachlorocyclopentadiene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Hexachloroethane	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Indeno(1,2,3-cd)pyrene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-5D*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-7S*	*MW-A1-7S*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-9D*	*MW-A1-9D*
Depth:		*8-10 ft BGS*	*1-3 ft BGS*	*5-7 ft BGS*	*1-3 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*4-5 ft BGS*
Sample ID:		*S-031003-DRD-1014*	*S-030603-DCR-995*	*S-030603-DCR-996*	*S-030603-DCR-993*	*S-030603-DCR-994*	*S-022603-DCR-719*	*S-022603-DCR-720*	*S-022603-DCR-741*	*S-022503-DCR-715*	*S-022503-DCR-716*
Sample Date:		*3/10/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*2/26/2003*	*2/26/2003*	*2/26/2003*	*2/25/2003*	*2/25/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Isophorone	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Methylphenol (Cresol)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Naphthalene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Nitrobenzene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
N-Nitrosodi-n-propylamine	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
N-Nitrosodiphenylamine	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Pentachlorophenol	mg/kg	--	ND (0.88)	ND (0.89)	ND (0.88)	ND (0.84)	--	ND (9)	ND (0.94)	ND (21)	ND (22)
Phenanthrene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	1.3	0.22	6.2	3.6
Phenol	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Pyrene	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (3.7)	ND (0.39)	ND (8.8)	ND (9.2)
Metals											
Antimony	mg/kg	--	0.33	ND (0.56)	0.72	0.36	--	0.29	ND (0.59)	0.27	0.37
Arsenic	mg/kg	--	1.8	1.8	2.2	2.1	--	1.3	1.6	0.92	1.4
Barium	mg/kg	--	15.1	16.1	12.6	8.0	--	6.8	5.0	8.3	19.7
Beryllium	mg/kg	--	ND (0.22)	ND (0.22)	0.082	ND (0.21)	--	0.12	0.13	0.11	0.13
Cadmium	mg/kg	--	0.054	0.053	0.047	0.065	--	0.077	0.045	0.049	0.12
Chromium III (Trivalent)	mg/kg	1330	9.9	5.0	7.7	6.4	3.0	5.7	3.7	5.4	5.8
Chromium Total	mg/kg	2060	10.5	5.1	8.2	6.5	3.2	6.2	4.0	5.8	5.8
Chromium VI (Hexavalent)	mg/kg	734	0.60	ND (0.89)	0.45	ND (0.84)	0.16	0.52	0.33	0.40	ND (0.90)
Cobalt	mg/kg	--	3.0	2.3	3.3	2.1	--	2.0	1.7	2.0	2.3
Copper	mg/kg	--	4.6	7.2	7.0	6.0	--	5.7	4.7	5.7	4.5
Cyanide (total)	mg/kg	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	4410	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	3.8	2.9	4.9	2.2	--	3.2	1.8	2.9	5.7
Manganese	mg/kg	--	118	220	165	117	--	124	119	140	133
Mercury	mg/kg	--	0.034	0.034	0.045	0.031	--	0.027	0.030	0.028	0.041
Nickel	mg/kg	377	8.2	7.2	7.1	6.8	3.8	5.4	4.4	8.3	4.2
Selenium	mg/kg	--	0.12	0.075	0.14	0.061	--	0.067	ND (0.24)	0.064	0.082
Silver	mg/kg	--	ND (0.55)	ND (0.56)	ND (0.55)	ND (0.53)	--	ND (0.56)	ND (0.59)	ND (0.53)	ND (0.56)
Thallium	mg/kg	--	0.040	0.031	0.046	0.056	--	0.033	0.027	0.041	0.048
Vanadium	mg/kg	--	12.4	6.7	14.9	6.8	--	7.2	5.4	7.4	9.4
Zinc	mg/kg	--	11.4	13.9	11.1	14.4	--	209	7.6	10.7	17.9
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (0.37)	ND (0.39)	ND (0.35)	ND (0.37)
Aroclor-1221 (PCB-1221)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (0.37)	ND (0.39)	ND (0.35)	ND (0.37)
Aroclor-1232 (PCB-1232)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (0.37)	ND (0.39)	ND (0.35)	ND (0.37)
Aroclor-1242 (PCB-1242)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	0.014	ND (0.39)	ND (0.35)	ND (0.37)
Aroclor-1248 (PCB-1248)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (0.37)	ND (0.39)	ND (0.35)	ND (0.37)
Aroclor-1254 (PCB-1254)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (0.37)	0.009	ND (0.35)	ND (0.37)
Aroclor-1260 (PCB-1260)	mg/kg	--	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.35)	--	ND (0.37)	ND (0.39)	ND (0.35)	ND (0.37)
General Chemistry											
pH	s.u.	8.2	--	--	--	--	--	--	--	--	--
Total Solids	%	80.1	91.1	90.0	91.1	94.7	98.2	89.4	84.8	94.1	89.3

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-9D*	*MW-A1-9D*	*MW-A1-10D*	*MW-A1-10D*	*MW-A1-11D*	*MW-A1-11D*	*MW-A1-12D*	*MW-A1-12D*	*MW-A1-12D*	*MW-A1-12D*
Depth:		*4-5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*23-25 ft BGS*
Sample ID:		*S-022503-DCR-717*	*S-022503-DCR-718*	*S-022503-DCR-713*	*S-022503-DCR-714*	*S-022603-DCR-742*	*S-022603-DCR-743*	*S-031003-DRD-1045*	*S-031003-DRD-1047*	*S-031003-DRD-1048*	*S-031003-DRD-1049*
Sample Date:		*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/26/2003*	*2/26/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*
Sample Type:		*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	0.073	0.076	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	ND (2.6)	ND (3.5)	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (2.6)	ND (3.5)	--	--	--	--	--	--	--	--
Acetone	mg/kg	0.2	0.18	--	--	--	--	--	--	--	--
Benzene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
Bromoform	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
Carbon disulfide	mg/kg	ND (0.26)	0.015	--	--	--	--	--	--	--	--
Carbon tetrachloride	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Cyclohexane	mg/kg	ND (1.2)	ND (1.7)	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	0.03	0.018	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
Methyl acetate	mg/kg	0.18	0.054	--	--	--	--	--	--	--	--
Methyl cyclohexane	mg/kg	ND (1.2)	ND (1.7)	--	--	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
Methylene chloride	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
Styrene	mg/kg	0.019	0.018	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Toluene	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	ND (0.051)	ND (0.071)	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.26)	ND (0.35)	--	--	--	--	--	--	--	--
Vinyl chloride	mg/kg	ND (0.1)	ND (0.14)	--	--	--	--	--	--	--	--
Xylene (total)	mg/kg	0.029	ND (0.21)	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-9D*	*MW-A1-9D*	*MW-A1-10D*	*MW-A1-10D*	*MW-A1-11D*	*MW-A1-11D*	*MW-A1-12D*	*MW-A1-12D*	*MW-A1-12D*	*MW-A1-12D*
Depth:		*4-5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*23-25 ft BGS*
Sample ID:		*S-022503-DCR-717*	*S-022503-DCR-718*	*S-022503-DCR-713*	*S-022503-DCR-714*	*S-022603-DCR-742*	*S-022603-DCR-743*	*S-031003-DRD-1045*	*S-031003-DRD-1047*	*S-031003-DRD-1048*	*S-031003-DRD-1049*
Sample Date:		*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/26/2003*	*2/26/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*
Sample Type:		*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	ND (56)	ND (42)	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	ND (48)	ND (35)	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Anthracene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Atrazine	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	0.49	0.36	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Carbazole	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Chrysene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Fluorene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-9D*	*MW-A1-9D*	*MW-A1-10D*	*MW-A1-10D*	*MW-A1-11D*	*MW-A1-11D*	*MW-A1-12D*	*MW-A1-12D*	*MW-A1-12D*	*MW-A1-12D*
Depth:		*4-5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*23-25 ft BGS*
Sample ID:		*S-022503-DCR-717*	*S-022503-DCR-718*	*S-022503-DCR-713*	*S-022503-DCR-714*	*S-022603-DCR-742*	*S-022603-DCR-743*	*S-031003-DRD-1045*	*S-031003-DRD-1047*	*S-031003-DRD-1048*	*S-031003-DRD-1049*
Sample Date:		*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/25/2003*	*2/26/2003*	*2/26/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*	*3/10/2003*
Sample Type:		*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Isophorone	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	ND (22)	ND (17)	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	3.3	1.5	--	--	--	--	--	--	--	--
Phenol	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Pyrene	mg/kg	ND (9.3)	ND (6.9)	--	--	--	--	--	--	--	--
Metals											
Antimony	mg/kg	ND (0.56)	0.27	--	--	--	--	--	--	--	--
Arsenic	mg/kg	1.2	1.5	--	--	--	--	--	--	--	--
Barium	mg/kg	18.0	5.5	--	--	--	--	--	--	--	--
Beryllium	mg/kg	0.14	0.11	--	--	--	--	--	--	--	--
Cadmium	mg/kg	0.15	0.064	--	--	--	--	--	--	--	--
Chromium III (Trivalent)	mg/kg	5.6	3.1	6.4	4.8	9.2	3.7	10.6	174	802	860
Chromium Total	mg/kg	5.6	3.8	6.7	4.9	9.9	4.0	12.1	178	829	2060
Chromium VI (Hexavalent)	mg/kg	ND (0.90)	0.71	0.30	0.15	0.74	0.36	1.6	3.7	27.8	1200
Cobalt	mg/kg	2.4	1.9	--	--	--	--	--	--	--	--
Copper	mg/kg	4.5	5.6	--	--	--	--	--	--	--	--
Cyanide (total)	mg/kg	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	4440	3920	4530	5880
Lead	mg/kg	5.2	1.8	--	--	--	--	--	--	--	--
Manganese	mg/kg	129	253	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.040	0.024	--	--	--	--	--	--	--	--
Nickel	mg/kg	4.4	5.1	8.9	4.6	12.5	4.7	6.2	1350	2190	3350
Selenium	mg/kg	ND (0.22)	0.057	--	--	--	--	--	--	--	--
Silver	mg/kg	ND (0.56)	ND (0.52)	--	--	--	--	--	--	--	--
Thallium	mg/kg	0.034	0.037	--	--	--	--	--	--	--	--
Vanadium	mg/kg	9.7	5.7	--	--	--	--	--	--	--	--
Zinc	mg/kg	16.0	9.9	--	--	--	--	--	--	--	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	ND (0.37)	ND (0.34)	--	--	--	--	--	--	--	--
General Chemistry											
pH	s.u.	--	--	--	--	--	--	9.8	8.2	7.2	7.4
Total Solids	%	88.9	96.0	93.3	94.9	86.7	92.9	89.6	81.3	84.6	84.3

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-12D*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-14D*	*MW-A1-14D*	*MW-A1-14D*	*SB-A1-1*
Depth:		*8-10 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*22-23 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-031003-DRD-1046*	*S-031103-DRD-1057*	*S-031103-DRD-1059*	*S-031103-DRD-1060*	*S-031103-DRD-1061*	*S-031103-DRD-1058*	*S-027203-DCR-746*	*S-027203-DCR-748*	*S-027203-DCR-747*	*S-092402-MM-216*
Sample Date:		*3/10/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*2/27/2003*	*2/27/2003*	*2/27/2003*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	mg/kg	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	--	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--
Cyclohexane	mg/kg	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
Methyl acetate	mg/kg	--	--	--	--	--	--	--	--	--	--
Methyl cyclohexane	mg/kg	--	--	--	--	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--
Methylene chloride	mg/kg	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	mg/kg	--	--	--	--	--	--	--	--	--	--
Xylene (total)	mg/kg	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-12D*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-14D*	*MW-A1-14D*	*MW-A1-14D*	*SB-A1-1*
Depth:		*8-10 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*22-23 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-031003-DRD-1046*	*S-031103-DRD-1057*	*S-031103-DRD-1059*	*S-031103-DRD-1060*	*S-031103-DRD-1061*	*S-031103-DRD-1058*	*S-027203-DCR-746*	*S-027203-DCR-748*	*S-027203-DCR-747*	*S-092402-MM-216*
Sample Date:		*3/10/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*2/27/2003*	*2/27/2003*	*2/27/2003*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-12D*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-13S*	*MW-A1-14D*	*MW-A1-14D*	*MW-A1-14D*	*SB-A1-1*
Depth:		*8-10 ft BGS*	*0-2 ft BGS*	*13-15 ft BGS*	*18-20 ft BGS*	*22-23 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-031003-DRD-1046*	*S-031103-DRD-1057*	*S-031103-DRD-1059*	*S-031103-DRD-1060*	*S-031103-DRD-1061*	*S-031103-DRD-1058*	*S-027203-DCR-746*	*S-027203-DCR-748*	*S-027203-DCR-747*	*S-092402-MM-216*
Sample Date:		*3/10/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*2/27/2003*	*2/27/2003*	*2/27/2003*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units										
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--
Metals											
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	ND (0.54) UJ
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	2.2
Barium	mg/kg	--	--	--	--	--	--	--	--	--	35.5
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	0.17 J
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	0.36
Chromium III (Trivalent)	mg/kg	3.9	7.0	227	1140	2850	12.4	6.5	6.4	9.4	--
Chromium Total	mg/kg	4.2	7.3	236	1250	4520	13.2	6.8	6.6	10.5	215
Chromium VI (Hexavalent)	mg/kg	0.27	0.25	9.2	108	1670	0.77	0.25	0.23	1.1	7.2
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	2.6
Copper	mg/kg	--	--	--	--	--	--	--	--	--	20.7
Cyanide (total)	mg/kg	--	--	--	--	--	--	--	--	--	ND (0.22)
Iron	mg/kg	3820	5180	3250	4240	9090	4760	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	116
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	195
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	0.019 J
Nickel	mg/kg	37.5	13.8	529	2700	7350	7.2	7.8	6.7	8.1	492
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	0.16 J
Silver	mg/kg	--	--	--	--	--	--	--	--	--	ND (0.54)
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	ND (0.11) U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	9.2
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	68.3
PCBs											
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--
General Chemistry											
pH	s.u.	9.8	8.8	8.2	7.8	7.3	8.5	--	--	--	--
Total Solids	%	90.7	94.8	81.9	82.1	86.3	92.8	92.9	93.3	92.2	92.1

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-1*	*SB-A1-2*	*SB-A1-2*	*SB-A1-2*	*SB-A1-2*	*SB-A1-3*	*SB-A1-3*	*SB-A1-4*	*SB-A1-4*	*SB-A1-4*	*SB-A1-5*
Depth:		*7-9 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092402-MM-217*	*S-092402-MM-220*	*S-092402-MM-221*	*S-092402-MM-222*	*S-092402-MM-222*	*S-092402-MM-218*	*S-092402-MM-219*	*S-092402-MM-213*	*S-092402-MM-214*	*S-092402-MM-215*	*S-092402-MM-233*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	ND (0.12)	0.027 J	--	ND (0.12)	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	ND (0.94) UJ	ND (1.1) UJ	--	ND (0.91) UJ	--	--	--	--	--	--
2-Hexanone	mg/kg	--	ND (3.1)	ND (3.5)	--	ND (3)	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	0.042 J	ND (3.5) UJ	--	ND (3) UJ	--	--	--	--	--	--
Acetone	mg/kg	--	ND (0.94)	ND (1.1)	--	ND (0.91)	--	--	--	--	--	--
Benzene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Bromodichloromethane	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
Bromoform	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Carbon disulfide	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Carbon tetrachloride	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Chloroethane	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Cyclohexane	mg/kg	--	ND (1.5)	ND (1.7)	--	ND (1.5)	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Methyl acetate	mg/kg	--	ND (1.5) U	ND (1.7)	--	ND (1.5)	--	--	--	--	--	--
Methyl cyclohexane	mg/kg	--	ND (1.5)	ND (1.7)	--	ND (1.5)	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Methylene chloride	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Styrene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Toluene	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Trichloroethene	mg/kg	--	ND (0.062)	ND (0.07)	--	ND (0.061)	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	--	ND (0.31)	ND (0.35)	--	ND (0.3)	--	--	--	--	--	--
Vinyl chloride	mg/kg	--	ND (0.12)	ND (0.14)	--	ND (0.12)	--	--	--	--	--	--
Xylene (total)	mg/kg	--	ND (0.19)	ND (0.21)	--	ND (0.18)	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-1*	*SB-A1-2*	*SB-A1-2*	*SB-A1-2*	*SB-A1-2*	*SB-A1-3*	*SB-A1-3*	*SB-A1-4*	*SB-A1-4*	*SB-A1-4*	*SB-A1-5*
Depth:		*7-9 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092402-MM-217*	*S-092402-MM-220*	*S-092402-MM-221*	*S-092402-MM-222*	*S-092402-MM-222*	*S-092402-MM-218*	*S-092402-MM-219*	*S-092402-MM-213*	*S-092402-MM-214*	*S-092402-MM-215*	*S-092402-MM-233*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-1*	*SB-A1-2*	*SB-A1-2*	*SB-A1-2*	*SB-A1-2*	*SB-A1-3*	*SB-A1-3*	*SB-A1-4*	*SB-A1-4*	*SB-A1-4*	*SB-A1-5*
Depth:		*7-9 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092402-MM-217*	*S-092402-MM-220*	*S-092402-MM-221*	*S-092402-MM-222*	*S-092402-MM-222*	*S-092402-MM-218*	*S-092402-MM-219*	*S-092402-MM-213*	*S-092402-MM-214*	*S-092402-MM-215*	*S-092402-MM-233*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals												
Antimony	mg/kg	ND (0.56) UJ	ND (0.56) UJ	ND (0.57) UJ	ND (0.54) UJ	--	ND (0.53) UJ	ND (0.52) UJ	ND (0.52) UJ	ND (0.53) UJ	ND (0.53) UJ	ND (0.53) UJ
Arsenic	mg/kg	2.2	3.3	3.4	1.5	--	2.2	1.5	2.3	1.9	2.0	2.3
Barium	mg/kg	13.2	33.4	68.9	16.9	--	26.0	4.9	399	503	47.3	12.3
Beryllium	mg/kg	ND (0.22) U	ND (0.22) U	ND (0.23) U	ND (0.21) U	--	ND (0.21) U	ND (0.21) U	0.78	0.78	0.17 J	ND (0.21) U
Cadmium	mg/kg	0.087	0.42	0.43	0.060	--	0.18	0.047 J	1.9	1.6	0.32	0.10
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	318	103	235	6.3	--	47.7	10.6	473	569	47.3	31.8
Chromium VI (Hexavalent)	mg/kg	12.5	2.2	0.55 J	ND (0.86)	--	4.5	1.2	54.4	31.1	7.3	0.56 J
Cobalt	mg/kg	1.9	3.1	3.9	2.3	--	2.1	1.5	1.2	1.7	1.6	2.0
Copper	mg/kg	11.6	73.1	72.8	6.7	--	25.9	4.2	5180	137	19.1	6.7
Cyanide (total)	mg/kg	ND (0.22)	ND (0.22)	ND (0.23)	ND (0.21)	--	ND (0.21)	ND (0.21)	0.19 J	0.19 J	ND (0.21)	ND (0.21)
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	17.6	61.3	133	4.4	--	39.2	2.2	133	161	17.1	5.5
Manganese	mg/kg	135	239	304	289	--	148	107	353	426	149	136
Mercury	mg/kg	ND (0.11)	0.020 J	0.025 J	ND (0.11)	--	ND (0.11)	ND (0.10)	0.16	0.16	0.020 J	ND (0.11)
Nickel	mg/kg	374	495	914	9.9	--	162	6.6	781	1060	106	26.0
Selenium	mg/kg	0.13 J	0.17 J	0.16 J	ND (0.21)	--	0.13 J	0.060 J	0.34	0.31	0.093 J	0.089 J
Silver	mg/kg	ND (0.56)	ND (0.56)	ND (0.57)	ND (0.54)	--	ND (0.53)	ND (0.52)	2.2	0.76	ND (0.53) U	ND (0.53)
Thallium	mg/kg	ND (0.11) U	ND (0.11) U	ND (0.11) U	ND (0.11)	--	ND (0.11) U	ND (0.10)	ND (0.10) U	ND (0.11) U	ND (0.11)	ND (0.11) U
Vanadium	mg/kg	7.0	8.7	10.5	7.1	--	7.3	4.9	4.7	6.4	5.6	7.0
Zinc	mg/kg	37.8	331	392	14.8	--	69.1	8.9	270	239	30.5	15.5
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	89.8	89.8	88.4	93.1	--	94.2	95.3	95.5	94.3	94.1	94.1

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-5*	*SB-A1-5*	*SB-A1-6*	*SB-A1-6*	*SB-A1-7*	*SB-A1-7*	*SB-A1-7*	*SB-A1-8*	*SB-A1-8*	*SB-A1-9*	*SB-A1-9*
Depth:		*13.5-15.5 ft BGS*	*13.5-15.5 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
Sample ID:		*S-092402-MM-234*	*S-092402-MM-235*	*S-092402-MM-236*	*S-092402-MM-237*	*S-092302-MM-183*	*S-092302-MM-184*	*S-092302-MM-185*	*S-092302-MM-181*	*S-092302-MM-182*	*S-092302-MM-179*	*S-092302-MM-180*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
1,1,2-Trichloroethane	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
1,1-Dichloroethane	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
1,1-Dichloroethene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
1,2-Dichlorobenzene	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
1,2-Dichloroethane	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
1,2-Dichloropropane	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
1,3-Dichlorobenzene	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
1,4-Dichlorobenzene	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	ND (0.85) UJ	ND (0.78) UJ	--	--	--	ND (1.2)	ND (1.1)	--	--
2-Hexanone	mg/kg	--	--	ND (2.8)	ND (2.6)	--	--	--	ND (4.1)	ND (3.7)	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	ND (2.8) UJ	0.047 J	--	--	--	ND (4.1)	ND (3.7)	--	--
Acetone	mg/kg	--	--	ND (0.85)	ND (0.78)	--	--	--	ND (1.2)	ND (1.1)	--	--
Benzene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Bromodichloromethane	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
Bromoform	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
Bromomethane (Methyl Bromide)	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	0.077 J	--	--
Carbon disulfide	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
Carbon tetrachloride	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Chlorobenzene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Chloroethane	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
Chloroform (Trichloromethane)	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Chloromethane (Methyl Chloride)	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
cis-1,2-Dichloroethene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
cis-1,3-Dichloropropene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Cyclohexane	mg/kg	--	--	ND (1.4)	ND (1.3)	--	--	--	ND (2)	ND (1.8)	--	--
Dibromochloromethane	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
Ethylbenzene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Isopropylbenzene	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
Methyl acetate	mg/kg	--	--	ND (1.4) U	ND (1.3)	--	--	--	ND (2)	ND (1.8)	--	--
Methyl cyclohexane	mg/kg	--	--	ND (1.4)	ND (1.3)	--	--	--	ND (2)	ND (1.8)	--	--
Methyl Tert Butyl Ether	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
Methylene chloride	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
Styrene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Tetrachloroethene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Toluene	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
trans-1,2-Dichloroethene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
trans-1,3-Dichloropropene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Trichloroethene	mg/kg	--	--	ND (0.057)	ND (0.052)	--	--	--	ND (0.082)	ND (0.074)	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	ND (0.28)	ND (0.26)	--	--	--	ND (0.41)	ND (0.37)	--	--
Vinyl chloride	mg/kg	--	--	ND (0.11)	ND (0.1)	--	--	--	ND (0.16)	ND (0.15)	--	--
Xylene (total)	mg/kg	--	--	ND (0.17)	ND (0.16)	--	--	--	ND (0.24)	ND (0.22)	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-5*	*SB-A1-5*	*SB-A1-6*	*SB-A1-6*	*SB-A1-7*	*SB-A1-7*	*SB-A1-7*	*SB-A1-8*	*SB-A1-8*	*SB-A1-9*	*SB-A1-9*
Depth:		*13.5-15.5 ft BGS*	*13.5-15.5 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
Sample ID:		*S-092402-MM-234*	*S-092402-MM-235*	*S-092402-MM-236*	*S-092402-MM-237*	*S-092302-MM-183*	*S-092302-MM-184*	*S-092302-MM-185*	*S-092302-MM-181*	*S-092302-MM-182*	*S-092302-MM-179*	*S-092302-MM-180*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-5*	*SB-A1-5*	*SB-A1-6*	*SB-A1-6*	*SB-A1-7*	*SB-A1-7*	*SB-A1-7*	*SB-A1-8*	*SB-A1-8*	*SB-A1-9*	*SB-A1-9*
Depth:		*13.5-15.5 ft BGS*	*13.5-15.5 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*
Sample ID:		*S-092402-MM-234*	*S-092402-MM-235*	*S-092402-MM-236*	*S-092402-MM-237*	*S-092302-MM-183*	*S-092302-MM-184*	*S-092302-MM-185*	*S-092302-MM-181*	*S-092302-MM-182*	*S-092302-MM-179*	*S-092302-MM-180*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals												
Antimony	mg/kg	ND (0.54) UJ	ND (0.54) UJ	ND (0.54) UJ	ND (0.53) UJ	--	--	--	ND (1.1) UJ	ND (0.53) UJ	--	--
Arsenic	mg/kg	1.2	1.1	1.7	1.6	--	--	--	2.9 J	2.0 J	--	--
Barium	mg/kg	6.5	9.0	13.5	7.3	--	--	--	15.5	5.9	--	--
Beryllium	mg/kg	ND (0.22) U	ND (0.22) U	ND (0.21) U	ND (0.21) U	--	--	--	0.21	0.13 J	--	--
Cadmium	mg/kg	0.053 J	0.053 J	0.11	0.061	--	--	--	0.093	0.12	--	--
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	193	227	9.7	6.4	4240 J	4130 J	10300 J	6.0	10.9	8.2 J	5.6 J
Chromium VI (Hexavalent)	mg/kg	0.48 J	0.68 J	0.51 J	0.78 J	2000	2860	6920	0.83 J	0.43 J	ND (0.89)	0.65 J
Cobalt	mg/kg	1.6	1.9	1.9	2.1	--	--	--	5.4	2.5	--	--
Copper	mg/kg	3.7	4.9	11.1	5.6 J	--	--	--	7.2	5.4	--	--
Cyanide (total)	mg/kg	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.21)	--	--	--	ND (0.21)	ND (0.21)	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.0	2.4	13.8	3.4	--	--	--	4.2	2.2	--	--
Manganese	mg/kg	124	127	132	144	--	--	--	285 J	184 J	--	--
Mercury	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	--	--	--	ND (0.11)	ND (0.11)	--	--
Nickel	mg/kg	57.1	70.2	39.2	27.5	675	277	314	6560	2540	59.7	22.9
Selenium	mg/kg	0.098 J	0.062 J	0.10 J	0.068 J	--	--	--	ND (0.21)	0.070 J	--	--
Silver	mg/kg	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.53)	--	--	--	ND (0.53)	ND (0.53)	--	--
Thallium	mg/kg	ND (0.11) U	ND (0.11) U	ND (0.11) U	ND (0.11) U	--	--	--	0.037 J	0.0075 J	--	--
Vanadium	mg/kg	4.0	5.1	7.4	6.9	--	--	--	9.6	6.7	--	--
Zinc	mg/kg	8.7	9.6	25.0	11.8	--	--	--	16.8	11.4	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	93.0	91.8	93.1	94.9	93.5	89.0	88.6	94.5	95.0	90.3	93.8

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-10*	*SB-A1-10*	*SB-A1-11*	*SB-A1-11*	*SB-A1-12*	*SB-A1-12*	*SB-A1-13*	*SB-A1-13*	*SB-A1-14*	*SB-A1-14*	*SB-A1-15*
Depth:		*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092302-MM-177*	*S-092302-MM-178*	*S-092302-MM-175*	*S-092302-MM-176*	*S-092302-MM-173*	*S-092302-MM-174*	*S-092302-MM-186*	*S-092302-MM-187*	*S-092502-MM-240*	*S-092502-MM-241*	*S-092302-MM-188*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/25/2002*	*9/25/2002*	*9/23/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	ND (0.15)	0.03 J	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND (1.1)	ND (1.2)	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	ND (3.8)	ND (4)	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (3.8)	ND (4)	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	ND (1.1)	ND (1.2)	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Carbon disulfide	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Cyclohexane	mg/kg	ND (1.8)	ND (1.9)	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Methyl acetate	mg/kg	ND (1.8)	ND (1.9)	--	--	--	--	--	--	--	--	--
Methyl cyclohexane	mg/kg	ND (1.8)	ND (1.9)	--	--	--	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Methylene chloride	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	ND (0.076)	ND (0.08)	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.38)	ND (0.4)	--	--	--	--	--	--	--	--	--
Vinyl chloride	mg/kg	ND (0.15)	ND (0.16)	--	--	--	--	--	--	--	--	--
Xylene (total)	mg/kg	ND (0.23)	ND (0.24)	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-10*	*SB-A1-10*	*SB-A1-11*	*SB-A1-11*	*SB-A1-12*	*SB-A1-12*	*SB-A1-13*	*SB-A1-13*	*SB-A1-14*	*SB-A1-14*	*SB-A1-15*
Depth:		*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092302-MM-177*	*S-092302-MM-178*	*S-092302-MM-175*	*S-092302-MM-176*	*S-092302-MM-173*	*S-092302-MM-174*	*S-092302-MM-186*	*S-092302-MM-187*	*S-092502-MM-240*	*S-092502-MM-241*	*S-092302-MM-188*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/25/2002*	*9/25/2002*	*9/23/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***	***Area 01***
Sample Location:		***SB-A1-10***	***SB-A1-10***	***SB-A1-11***	***SB-A1-11***	***SB-A1-12***	***SB-A1-12***	***SB-A1-13***	***SB-A1-13***	***SB-A1-14***	***SB-A1-14***	***SB-A1-15***
Depth:		***0-2 ft BGS***	***8-10 ft BGS***	***0-2 ft BGS***	***8-10 ft BGS***	***0-2 ft BGS***	***8-10 ft BGS***	***0-2 ft BGS***	***8-10 ft BGS***	***0-2 ft BGS***	***8-10 ft BGS***	***0-2 ft BGS***
Sample ID:		***S-092302-MM-177***	***S-092302-MM-178***	***S-092302-MM-175***	***S-092302-MM-176***	***S-092302-MM-173***	***S-092302-MM-174***	***S-092302-MM-186***	***S-092302-MM-187***	***S-092502-MM-240***	***S-092502-MM-241***	***S-092302-MM-188***
Sample Date:		***9/23/2002***	***9/23/2002***	***9/23/2002***	***9/23/2002***	***9/23/2002***	***9/23/2002***	***9/23/2002***	***9/23/2002***	***9/25/2002***	***9/25/2002***	***9/23/2002***
Sample Type:		***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***
Stage:		***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***	***RFI-STAGE I***
Matrix:		***SO***	***SO***	***SO***	***SO***	***SO***	***SO***	***SO***	***SO***	***SO***	***SO***	***SO***
	Units											
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals												
Antimony	mg/kg	ND (0.54) UJ	ND (0.55) UJ	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	2.0 J	2.2 J	--	--	--	--	--	--	--	--	--
Barium	mg/kg	8.4	6.5	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	0.15 J	0.15 J	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	0.056	0.049 J	--	--	--	--	--	--	--	--	--
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	4.8	7.1	5.0 J	10.9 J	4.9 J	8.2 J	13.3 J	27.8 J	10.6	9.5	19.7 J
Chromium VI (Hexavalent)	mg/kg	0.63 J	0.85 J	ND (0.85)	ND (0.84)	0.30 J	0.95	4.1	2.1	ND (0.87)	0.91	4.6
Cobalt	mg/kg	12.3	2.6	--	--	--	--	--	--	--	--	--
Copper	mg/kg	5.3	3.9	--	--	--	--	--	--	--	--	--
Cyanide (total)	mg/kg	ND (0.22)	ND (0.22)	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.9	2.0	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	107 J	84.3 J	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	ND (0.11)	ND (0.11)	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	7.7	95.0	9.2	8.2	10.3	7.5	13.9	7.8	20.2	4.1	5.9
Selenium	mg/kg	ND (0.22)	0.076 J	--	--	--	--	--	--	--	--	--
Silver	mg/kg	ND (0.54)	ND (0.55)	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	0.023 J	0.0071 J	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	6.3	6.5	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	13.2	10.5	--	--	--	--	--	--	--	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	92.9	90.9	94.3	95.2	92.2	92.3	95.5	91.4	92.4	95.0	94.8

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-15*	*SB-A1-16*	*SB-A1-16*	*SB-A1-16*	*SB-A1-17*	*SB-A1-17*	*SB-A1-18*	*SB-A1-18*	*SB-A1-18*	*SB-A1-19*	*SB-A1-19*
Depth:		*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*
Sample ID:		*S-092302-MM-189*	*S-092302-MM-190*	*S-092302-MM-191*	*S-092302-MM-192*	*S-092302-MM-193*	*S-092302-MM-194*	*S-092302-MM-195*	*S-092302-MM-196*	*S-092302-MM-197*	*S-092502-MM-238*	*S-092502-MM-239*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/25/2002*	*9/25/2002*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
1,1-Dichloroethane	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
1,1-Dichloroethene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
1,2-Dichloroethane	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
1,2-Dichloropropane	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	0.029 J	0.033 J	ND (0.11)	ND (0.1)	ND (0.11)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	--	--	--	--	ND (1.1)	ND (1.2)	ND (0.84)	ND (0.76)	ND (0.81)
2-Hexanone	mg/kg	--	--	--	--	--	--	ND (3.8)	ND (4)	ND (2.8)	ND (2.5)	ND (2.7)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	--	--	--	--	ND (3.8)	ND (4)	ND (2.8)	ND (2.5)	ND (2.7)
Acetone	mg/kg	--	--	--	--	--	--	ND (1.1)	ND (1.2)	ND (0.84)	ND (0.76)	ND (0.81)
Benzene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Bromodichloromethane	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
Bromoform	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
Bromomethane (Methyl Bromide)	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
Carbon disulfide	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
Carbon tetrachloride	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Chlorobenzene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Chloroethane	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
Chloroform (Trichloromethane)	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Chloromethane (Methyl Chloride)	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Cyclohexane	mg/kg	--	--	--	--	--	--	ND (1.8)	ND (1.9)	ND (1.3)	ND (1.2)	ND (1.3)
Dibromochloromethane	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
Ethylbenzene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Isopropylbenzene	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
Methyl acetate	mg/kg	--	--	--	--	--	--	ND (1.8)	ND (1.9)	ND (1.3)	ND (1.2)	ND (1.3)
Methyl cyclohexane	mg/kg	--	--	--	--	--	--	ND (1.8)	ND (1.9)	ND (1.3)	ND (1.2)	ND (1.3)
Methyl Tert Butyl Ether	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
Methylene chloride	mg/kg	--	--	--	--	--	--	ND (0.38)	0.04 J	0.026 J	ND (0.25) U	ND (0.27) U
Styrene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Tetrachloroethene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Toluene	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Trichloroethene	mg/kg	--	--	--	--	--	--	ND (0.075)	ND (0.079)	ND (0.056)	ND (0.051)	ND (0.054)
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1) UJ	ND (0.11) UJ
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	--	--	--	--	ND (0.38)	ND (0.4)	ND (0.28)	ND (0.25)	ND (0.27)
Vinyl chloride	mg/kg	--	--	--	--	--	--	ND (0.15)	ND (0.16)	ND (0.11)	ND (0.1)	ND (0.11)
Xylene (total)	mg/kg	--	--	--	--	--	--	ND (0.23)	ND (0.24)	ND (0.17)	ND (0.15)	ND (0.16)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-15*	*SB-A1-16*	*SB-A1-16*	*SB-A1-16*	*SB-A1-17*	*SB-A1-17*	*SB-A1-18*	*SB-A1-18*	*SB-A1-18*	*SB-A1-19*	*SB-A1-19*
Depth:		*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*
Sample ID:		*S-092302-MM-189*	*S-092302-MM-190*	*S-092302-MM-191*	*S-092302-MM-192*	*S-092302-MM-193*	*S-092302-MM-194*	*S-092302-MM-195*	*S-092302-MM-196*	*S-092302-MM-197*	*S-092502-MM-238*	*S-092502-MM-239*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/25/2002*	*9/25/2002*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-15*	*SB-A1-16*	*SB-A1-16*	*SB-A1-16*	*SB-A1-17*	*SB-A1-17*	*SB-A1-18*	*SB-A1-18*	*SB-A1-18*	*SB-A1-19*	*SB-A1-19*
Depth:		*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*
Sample ID:		*S-092302-MM-189*	*S-092302-MM-190*	*S-092302-MM-191*	*S-092302-MM-192*	*S-092302-MM-193*	*S-092302-MM-194*	*S-092302-MM-195*	*S-092302-MM-196*	*S-092302-MM-197*	*S-092502-MM-238*	*S-092502-MM-239*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/25/2002*	*9/25/2002*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals												
Antimony	mg/kg	--	--	--	--	--	--	ND (0.53) UJ	ND (0.54) UJ	ND (0.54) UJ	ND (0.54)	ND (0.55)
Arsenic	mg/kg	--	--	--	--	--	--	1.8 J	3.1 J	4.6 J	1.9	2.1
Barium	mg/kg	--	--	--	--	--	--	9.0	10.2	11.8	31.2	29.6
Beryllium	mg/kg	--	--	--	--	--	--	0.14 J	0.16 J	0.18 J	ND (0.22) U	ND (0.22) U
Cadmium	mg/kg	--	--	--	--	--	--	0.068	0.086	0.097	0.13	0.10
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	8.9 J	4.2 J	4.6 J	12.0 J	6.9 J	5.4 J	8.6	9.8	6.2	13.1	13.4
Chromium VI (Hexavalent)	mg/kg	2.3	1.0	0.86	0.60 J	ND (0.88)	ND (0.88)	ND (0.85)	0.56 J	0.43 J	ND (0.86)	2.8
Cobalt	mg/kg	--	--	--	--	--	--	2.1	21.8	1.8	2.8	2.6
Copper	mg/kg	--	--	--	--	--	--	4.9	6.4	8.0	4.9	7.4 J
Cyanide (total)	mg/kg	--	--	--	--	--	--	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	2.9	3.7	3.7	8.6	2.7
Manganese	mg/kg	--	--	--	--	--	--	129 J	143 J	166 J	335	390
Mercury	mg/kg	--	--	--	--	--	--	ND (0.11)	0.019 J	ND (0.11)	ND (0.11)	0.018 J
Nickel	mg/kg	10.1	5.9	6.9	27.3	20.4	7.1	7.7	9.8	6.1	6.3	9.2
Selenium	mg/kg	--	--	--	--	--	--	0.13 J	0.17 J	0.086 J	0.094 J	0.078 J
Silver	mg/kg	--	--	--	--	--	--	ND (0.53)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.55)
Thallium	mg/kg	--	--	--	--	--	--	0.029 J	0.084 J	0.023 J	ND (0.11) U	ND (0.11) U
Vanadium	mg/kg	--	--	--	--	--	--	6.4	7.0	7.2	10.9	7.3
Zinc	mg/kg	--	--	--	--	--	--	14.2	16.0	14.5	14.4	12.4
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	93.2	95.0	94.8	89.5	91.1	90.4	94.2	93.3	92.5	92.6	91.7

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-20*	*SB-A1-20*	*SB-A1-20*	*SB-A1-21*	*SB-A1-21*	*SB-A1-22*	*SB-A1-22*	*SB-A1-22*	*SB-A1-23*	*SB-A1-23*	*SB-A1-23*
Depth:		*0-2 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*2-4 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*10-11 ft BGS*	*6-8 ft BGS*
Sample ID:		*S-092302-MM-202*	*S-092302-MM-203*	*S-092302-MM-204*	*S-092302-MM-200*	*S-092302-MM-201*	*S-092402-MM-225*	*S-092402-MM-226*	*S-092402-MM-227*	*S-092402-MM-228*	*S-092402-MM-230*	*S-092402-MM-229*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	0.09	ND (0.051)	0.054 J	--	0.65	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
1,1-Dichloroethane	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	0.68	--
1,1-Dichloroethene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
1,2-Dichloroethane	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
1,2-Dichloropropane	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	--	--	--	ND (0.91) UJ	ND (0.76) UJ	ND (0.83) UJ	--	ND (1.5) UJ	--
2-Hexanone	mg/kg	--	--	--	--	--	ND (3)	ND (2.5)	ND (2.8)	--	ND (4.9)	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	--	--	--	ND (3) UJ	ND (2.5) UJ	0.031 J	--	0.062 J	--
Acetone	mg/kg	--	--	--	--	--	ND (0.91)	ND (0.76)	ND (0.83)	--	ND (1.5)	--
Benzene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Bromodichloromethane	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
Bromoform	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
Bromomethane (Methyl Bromide)	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
Carbon disulfide	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	0.11 J	--
Carbon tetrachloride	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Chlorobenzene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Chloroethane	mg/kg	--	--	--	--	--	0.08 J	ND (0.25)	ND (0.28)	--	ND (0.49)	--
Chloroform (Trichloromethane)	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Chloromethane (Methyl Chloride)	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Cyclohexane	mg/kg	--	--	--	--	--	ND (1.5)	ND (1.2)	ND (1.3)	--	ND (2.3)	--
Dibromochloromethane	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
Ethylbenzene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Isopropylbenzene	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
Methyl acetate	mg/kg	--	--	--	--	--	ND (1.5)	ND (1.2)	ND (1.3)	--	ND (2.3) U	--
Methyl cyclohexane	mg/kg	--	--	--	--	--	ND (1.5)	ND (1.2)	ND (1.3)	--	ND (2.3)	--
Methyl Tert Butyl Ether	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
Methylene chloride	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
Styrene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Tetrachloroethene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Toluene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	ND (0.098)	--
Trichloroethene	mg/kg	--	--	--	--	--	ND (0.061)	ND (0.051)	ND (0.055)	--	0.67	--
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	ND (0.2)	--
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	--	--	--	ND (0.3)	ND (0.25)	ND (0.28)	--	ND (0.49)	--
Vinyl chloride	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.1)	ND (0.11)	--	0.049 J	--
Xylene (total)	mg/kg	--	--	--	--	--	ND (0.18)	ND (0.15)	ND (0.17)	--	ND (0.29)	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-20*	*SB-A1-20*	*SB-A1-20*	*SB-A1-21*	*SB-A1-21*	*SB-A1-22*	*SB-A1-22*	*SB-A1-22*	*SB-A1-23*	*SB-A1-23*	*SB-A1-23*
Depth:		*0-2 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*2-4 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*10-11 ft BGS*	*6-8 ft BGS*
Sample ID:		*S-092302-MM-202*	*S-092302-MM-203*	*S-092302-MM-204*	*S-092302-MM-200*	*S-092302-MM-201*	*S-092402-MM-225*	*S-092402-MM-226*	*S-092402-MM-227*	*S-092402-MM-228*	*S-092402-MM-230*	*S-092402-MM-229*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	ND (1.9) UJ	ND (1.9)	--	--	ND (22)	ND (1.8) UJ
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2-Chloronaphthalene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2-Chlorophenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2-Methylnaphthalene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2-Methylphenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
2-Nitroaniline	mg/kg	--	--	--	--	--	ND (1.9)	ND (1.9)	--	--	ND (22)	ND (1.8)
2-Nitrophenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	ND (2.2)	ND (2.2)	--	--	ND (26)	ND (2.1)
3-Nitroaniline	mg/kg	--	--	--	--	--	ND (1.9)	ND (1.9)	--	--	ND (22)	ND (1.8)
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	ND (1.9)	ND (1.9)	--	--	ND (22)	ND (1.8)
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
4-Chloroaniline	mg/kg	--	--	--	--	--	ND (1.9)	ND (1.9)	--	--	ND (22)	ND (1.8)
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
4-Methylphenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
4-Nitroaniline	mg/kg	--	--	--	--	--	ND (1.9)	ND (1.9)	--	--	ND (22)	ND (1.8)
4-Nitrophenol	mg/kg	--	--	--	--	--	ND (1.9)	ND (1.9)	--	--	ND (22)	ND (1.8)
Acenaphthene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Acenaphthylene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Acetophenone	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Anthracene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Atrazine	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Benzaldehyde	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Benzo(a)anthracene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	0.44 J	ND (0.35)
Benzo(a)pyrene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	0.5 J	ND (0.35)
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	0.43 J	ND (0.35)
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Biphenyl	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	1.3 J	ND (0.35)
Butyl benzylphthalate	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Caprolactam	mg/kg	--	--	--	--	--	ND (0.36) UJ	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Carbazole	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Chrysene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	0.61 J	ND (0.35)
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Dibenzofuran	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Diethyl phthalate	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Dimethyl phthalate	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Di-n-butylphthalate	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Fluoranthene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	0.96 J	ND (0.35)
Fluorene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Hexachlorobenzene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Hexachlorobutadiene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Hexachloroethane	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-20*	*SB-A1-20*	*SB-A1-20*	*SB-A1-21*	*SB-A1-21*	*SB-A1-22*	*SB-A1-22*	*SB-A1-22*	*SB-A1-23*	*SB-A1-23*	*SB-A1-23*
Depth:		*0-2 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*2-4 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*10-11 ft BGS*	*6-8 ft BGS*
Sample ID:		*S-092302-MM-202*	*S-092302-MM-203*	*S-092302-MM-204*	*S-092302-MM-200*	*S-092302-MM-201*	*S-092402-MM-225*	*S-092402-MM-226*	*S-092402-MM-227*	*S-092402-MM-228*	*S-092402-MM-230*	*S-092402-MM-229*
Sample Date:		*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Nitrobenzene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	ND (0.35)
Pentachlorophenol	mg/kg	--	--	--	--	--	ND (0.87)	ND (0.88)	--	--	ND (10)	ND (0.85)
Phenanthrene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	0.68 J	0.039 J
Phenol	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	ND (4.2)	0.07 J
Pyrene	mg/kg	--	--	--	--	--	ND (0.36)	ND (0.36)	--	--	1 J	ND (0.35)
Metals												
Antimony	mg/kg	--	--	--	--	--	ND (0.55) UJ	ND (0.55) UJ	ND (0.53) UJ	--	ND (1.3) UJ	ND (0.53) UJ
Arsenic	mg/kg	--	--	--	--	--	1.7	3.0	1.6	--	8.6	2.2
Barium	mg/kg	--	--	--	--	--	11.6	22.9	8.5	--	40.2	21.1
Beryllium	mg/kg	--	--	--	--	--	ND (0.22) U	ND (0.22) U	ND (0.21) U	--	ND (0.26) U	ND (0.21)
Cadmium	mg/kg	--	--	--	--	--	0.068	0.066	0.073	--	0.47	0.058
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	5.6	5.6	6.6	5.3	6.5	5.6	8.1	4.1	6.1	529	11.4
Chromium VI (Hexavalent)	mg/kg	0.80 J	0.80 J	0.54 J	0.38 J	0.30 J	ND (0.87)	ND (0.88)	ND (0.85)	ND (0.84)	ND (1.0)	0.25 J
Cobalt	mg/kg	--	--	--	--	--	2.2	2.9	2.1	--	8.9	3.1
Copper	mg/kg	--	--	--	--	--	4.7	9.5	5.1	--	838	7.9
Cyanide (total)	mg/kg	--	--	--	--	--	ND (0.22)	ND (0.22)	ND (0.21)	--	ND (0.26)	ND (0.21)
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	3.5	4.4	2.0	--	72.2	4.7
Manganese	mg/kg	--	--	--	--	--	75.6	112	179	--	1090	162 J
Mercury	mg/kg	--	--	--	--	--	ND (0.11)	ND (0.11)	ND (0.11)	--	0.047 J	ND (0.11)
Nickel	mg/kg	138	61.6	7.2 J	2680	1460	2760	1230	1750	7.2	529	17.7
Selenium	mg/kg	--	--	--	--	--	0.099 J	0.11 J	0.069 J	--	0.12 J	0.079 J
Silver	mg/kg	--	--	--	--	--	ND (0.55)	ND (0.55)	ND (0.53)	--	ND (0.64) U	1.3
Thallium	mg/kg	--	--	--	--	--	ND (0.11)	ND (0.11) U	ND (0.11)	--	ND (0.13) U	ND (0.11) U
Vanadium	mg/kg	--	--	--	--	--	8.3	11.1	5.6	--	20.5	14.2
Zinc	mg/kg	--	--	--	--	--	13.4	20.1	9.4	--	509	11.9 J
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	90.4	91.1	91.7	93.2	88.3	91.6	91.4	94.6	95.0	77.9	94.3

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-23*	*SB-A1-24*	*SB-A1-24*	*SB-A1-25*	*SB-A1-25*	*SB-A1-26*	*SB-A1-26*	*SB-A1-27*	*SB-A1-27*	*SB-A1-28*	*SB-A1-28*
Depth:		*6-8 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*
Sample ID:		*S-101602-MM-434*	*S-092302-MM-198*	*S-092302-MM-199*	*S-092402-MM-223*	*S-092402-MM-224*	*S-092302-MM-205*	*S-092302-MM-206*	*S-092402-MM-231*	*S-092402-MM-232*	*S-092402-MM-207*	*S-092402-MM-208*
Sample Date:		*10/16/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	0.18	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND (0.82)	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	ND (2.7)	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (2.7)	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	ND (0.82) U	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Cyclohexane	mg/kg	ND (1.3) UJ	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
Methyl acetate	mg/kg	0.036 J	--	--	--	--	--	--	--	--	--	--
Methyl cyclohexane	mg/kg	ND (1.3) UJ	--	--	--	--	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
Methylene chloride	mg/kg	ND (0.27) U	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	ND (0.055)	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	0.09 J	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.27)	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	mg/kg	ND (0.11)	--	--	--	--	--	--	--	--	--	--
Xylene (total)	mg/kg	ND (0.16)	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-23*	*SB-A1-24*	*SB-A1-24*	*SB-A1-25*	*SB-A1-25*	*SB-A1-26*	*SB-A1-26*	*SB-A1-27*	*SB-A1-27*	*SB-A1-28*	*SB-A1-28*
Depth:		*6-8 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*
Sample ID:		*S-101602-MM-434*	*S-092302-MM-198*	*S-092302-MM-199*	*S-092402-MM-223*	*S-092402-MM-224*	*S-092302-MM-205*	*S-092302-MM-206*	*S-092402-MM-231*	*S-092402-MM-232*	*S-092402-MM-207*	*S-092402-MM-208*
Sample Date:		*10/16/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*SB-A1-23*	*SB-A1-24*	*SB-A1-24*	*SB-A1-25*	*SB-A1-25*	*SB-A1-26*	*SB-A1-26*	*SB-A1-27*	*SB-A1-27*	*SB-A1-28*	*SB-A1-28*
Depth:		*6-8 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*
Sample ID:		*S-101602-MM-434*	*S-092302-MM-198*	*S-092302-MM-199*	*S-092402-MM-223*	*S-092402-MM-224*	*S-092302-MM-205*	*S-092302-MM-206*	*S-092402-MM-231*	*S-092402-MM-232*	*S-092402-MM-207*	*S-092402-MM-208*
Sample Date:		*10/16/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/23/2002*	*9/23/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals												
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	--	5.5	4.3	13.2	20.2	18.9 J	31.0 J	5.2	7.1	5.2	3.3
Chromium VI (Hexavalent)	mg/kg	--	ND (0.87)	0.72 J	7.2	2.1	10.9	12.7	0.52 J	0.83 J	1.1	0.48 J
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cyanide (total)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	5.1	3.6	5.1	4.5	1740	128	5.8	20.1	37.6	364
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	92.8	92.0	86.4	92.7	87.9	94.2	88.0	95.7	94.0	91.7	91.7

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*SB-A1-29*	*SB-A1-29*	*SB-A1-30*	*SB-A1-30*	*SB-A1-31*	*SB-A1-31*	*MW-A1/33-3S*	*MW-A1/33-3S*	*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-5S*
Depth:		*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*6.5-8.5 ft BGS*	*3-5 ft BGS*	*6-8 ft BGS*	*3-5 ft BGS*	*6-8 ft BGS*	*1-3 ft BGS*
Sample ID:		*S-092402-MM-209*	*S-092402-MM-210*	*S-092402-MM-211*	*S-092402-MM-212*	*S-030403-DRD-914*	*S-030403-DRD-915*	*S-030603-DCR-936*	*S-030603-DCR-937*	*S-030603-DCR-991*	*S-030603-DCR-992*	*S-030603-DCR-938*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*3/4/2003*	*3/4/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	0.034	0.087	ND (0.054)
1,1,2,2-Tetrachloroethane	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
1,1,2-Trichloroethane	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
1,1-Dichloroethane	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	0.015	0.067	0.061	0.11	ND (0.054)
1,1-Dichloroethene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
1,2,4-Trichlorobenzene	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	0.02	ND (0.27)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
1,2-Dichlorobenzene	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
1,2-Dichloropropane	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
1,3-Dichlorobenzene	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
1,4-Dichlorobenzene	mg/kg	--	--	ND (0.16)	0.023 J	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	ND (1.2) UJ	ND (0.89) UJ	--	--	ND (0.75)	ND (0.83)	0.14	ND (0.8)	ND (0.8)
2-Hexanone	mg/kg	--	--	ND (3.9)	ND (3)	--	--	ND (2.5)	ND (2.8)	ND (2.3)	ND (2.7)	ND (2.7)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	ND (3.9) UJ	ND (3) UJ	--	--	ND (2.5)	ND (2.8)	0.044	ND (2.7)	ND (2.7)
Acetone	mg/kg	--	--	ND (1.2)	ND (0.89)	--	--	0.067	ND (0.83)	ND (0.7)	ND (0.8)	ND (0.8)
Benzene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Bromodichloromethane	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
Bromoform	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
Bromomethane (Methyl Bromide)	mg/kg	--	--	ND (0.39)	ND (0.3) U	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
Carbon disulfide	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
Carbon tetrachloride	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Chlorobenzene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Chloroethane	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
Chloroform (Trichloromethane)	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Chloromethane (Methyl Chloride)	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
cis-1,2-Dichloroethene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
cis-1,3-Dichloropropene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Cyclohexane	mg/kg	--	--	ND (1.9)	ND (1.4)	--	--	ND (1.2)	ND (1.3)	ND (1.1)	ND (1.3)	ND (1.3)
Dibromochloromethane	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
Ethylbenzene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	0.012	ND (0.054)
Isopropylbenzene	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
Methyl acetate	mg/kg	--	--	ND (1.9)	ND (1.4)	--	--	0.048	ND (1.3)	ND (1.1)	ND (1.3)	ND (1.3)
Methyl cyclohexane	mg/kg	--	--	ND (1.9)	ND (1.4)	--	--	ND (1.2)	ND (1.3)	ND (1.1)	ND (1.3)	ND (1.3)
Methyl Tert Butyl Ether	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
Methylene chloride	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	0.03	ND (0.27)
Styrene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Tetrachloroethene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Toluene	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	0.014	ND (0.11)
trans-1,2-Dichloroethene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
trans-1,3-Dichloropropene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Trichloroethene	mg/kg	--	--	ND (0.078)	ND (0.059)	--	--	ND (0.05)	ND (0.056)	ND (0.047)	ND (0.053)	ND (0.054)
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	ND (0.39)	ND (0.3)	--	--	ND (0.25)	ND (0.28)	ND (0.23)	ND (0.27)	ND (0.27)
Vinyl chloride	mg/kg	--	--	ND (0.16)	ND (0.12)	--	--	ND (0.1)	ND (0.11)	ND (0.093)	ND (0.11)	ND (0.11)
Xylene (total)	mg/kg	--	--	ND (0.23)	ND (0.18)	--	--	ND (0.15)	ND (0.17)	ND (0.14)	0.063	ND (0.16)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*SB-A1-29*	*SB-A1-29*	*SB-A1-30*	*SB-A1-30*	*SB-A1-31*	*SB-A1-31*	*MW-A1/33-3S*	*MW-A1/33-3S*	*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-5S*
Depth:		*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*6.5-8.5 ft BGS*	*3-5 ft BGS*	*6-8 ft BGS*	*3-5 ft BGS*	*6-8 ft BGS*	*1-3 ft BGS*
Sample ID:		*S-092402-MM-209*	*S-092402-MM-210*	*S-092402-MM-211*	*S-092402-MM-212*	*S-030403-DRD-914*	*S-030403-DRD-915*	*S-030603-DCR-936*	*S-030603-DCR-937*	*S-030603-DCR-991*	*S-030603-DCR-992*	*S-030603-DCR-938*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*3/4/2003*	*3/4/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2-Chlorophenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
2-Nitrophenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	ND (2.2)	ND (2.2)	ND (54)	ND (52)	ND (2.2)
3-Nitroaniline	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
4-Chloroaniline	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
4-Nitrophenol	mg/kg	--	--	--	--	--	--	ND (1.9)	ND (1.9)	ND (46)	ND (44)	ND (1.9)
Acenaphthene	mg/kg	--	--	--	--	--	--	0.1	0.052	ND (8.9)	ND (8.6)	ND (0.37)
Acenaphthylene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Acetophenone	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Anthracene	mg/kg	--	--	--	--	--	--	0.3	0.11	ND (8.9)	ND (8.6)	ND (0.37)
Atrazine	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Benzaldehyde	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	0.78	0.11	ND (8.9)	0.68	ND (0.37)
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	0.71	0.06	ND (8.9)	ND (8.6)	ND (0.37)
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	0.96	0.095	ND (8.9)	ND (8.6)	ND (0.37)
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	0.43	0.036	ND (8.9)	ND (8.6)	ND (0.37)
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	0.44	0.044	ND (8.9)	ND (8.6)	ND (0.37)
Biphenyl	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	0.023	0.016	ND (8.9)	ND (8.6)	ND (0.37)
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Caprolactam	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Carbazole	mg/kg	--	--	--	--	--	--	0.17	0.026	ND (8.9)	ND (8.6)	ND (0.37)
Chrysene	mg/kg	--	--	--	--	--	--	0.95	0.14	ND (8.9)	0.86	ND (0.37)
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	0.14	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Dibenzofuran	mg/kg	--	--	--	--	--	--	0.1	0.096	ND (8.9)	ND (8.6)	ND (0.37)
Diethyl phthalate	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Fluoranthene	mg/kg	--	--	--	--	--	--	2.4	0.56	1.3	1.9	ND (0.37)
Fluorene	mg/kg	--	--	--	--	--	--	0.14	0.066	ND (8.9)	0.52	ND (0.37)
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Hexachloroethane	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	0.41	0.035	ND (8.9)	ND (8.6)	ND (0.37)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*SB-A1-29*	*SB-A1-29*	*SB-A1-30*	*SB-A1-30*	*SB-A1-31*	*SB-A1-31*	*MW-A1/33-3S*	*MW-A1/33-3S*	*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-5S*
Depth:		*0-2 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*6.5-8.5 ft BGS*	*3-5 ft BGS*	*6-8 ft BGS*	*3-5 ft BGS*	*6-8 ft BGS*	*1-3 ft BGS*
Sample ID:		*S-092402-MM-209*	*S-092402-MM-210*	*S-092402-MM-211*	*S-092402-MM-212*	*S-030403-DRD-914*	*S-030403-DRD-915*	*S-030603-DCR-936*	*S-030603-DCR-937*	*S-030603-DCR-991*	*S-030603-DCR-992*	*S-030603-DCR-938*
Sample Date:		*9/24/2002*	*9/24/2002*	*9/24/2002*	*9/24/2002*	*3/4/2003*	*3/4/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*	*3/6/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	--	--	--	--	--	--	0.037	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Naphthalene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Nitrobenzene	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Pentachlorophenol	mg/kg	--	--	--	--	--	--	ND (0.89)	ND (0.87)	ND (22)	ND (21)	ND (0.89)
Phenanthrene	mg/kg	--	--	--	--	--	--	1.9	0.86	1.8	2.8	ND (0.37)
Phenol	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (8.9)	ND (8.6)	ND (0.37)
Pyrene	mg/kg	--	--	--	--	--	--	1.5	0.36	1	1.8	ND (0.37)
Metals												
Antimony	mg/kg	--	--	ND (0.54)	ND (0.54) UJ	--	--	0.32	0.26	0.49	ND (0.52)	0.39
Arsenic	mg/kg	--	--	1.5	1.2	--	--	2.3	1.0	2.7	0.92	1.3
Barium	mg/kg	--	--	11.2	6.9	--	--	33.2	5.8	19.5	7.1	13.9
Beryllium	mg/kg	--	--	ND (0.22) U	ND (0.21) U	--	--	ND (0.22)	ND (0.22)	0.092	ND (0.21)	ND (0.22)
Cadmium	mg/kg	--	--	0.037 J	0.022 J	--	--	0.080	0.015	0.049	0.053	0.016
Chromium III (Trivalent)	mg/kg	--	--	--	--	12.8	4.2	11.4	4.0	6.1	3.8	6.8
Chromium Total	mg/kg	7.5	5.6	5.3	5.8	12.8	4.5	11.4	4.9	9.8	4.2	7.0
Chromium VI (Hexavalent)	mg/kg	1.3	0.92	0.95	0.77 J	ND (0.89)	0.26	ND (0.89)	0.90	0.48	0.38	0.22
Cobalt	mg/kg	--	--	5.7	1.7	--	--	3.4	1.3	3.0	2.0	2.5
Copper	mg/kg	--	--	3.2	4.5	--	--	11.8	2.5	6.3	3.7	2.7
Cyanide (total)	mg/kg	--	--	ND (0.22)	ND (0.21)	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	3.2	2.1	--	--	6.5	1.8	11.4	11.4	3.1
Manganese	mg/kg	--	--	84.8	46.9	--	--	266	68.5	143	41.9	110
Mercury	mg/kg	--	--	ND (0.11)	ND (0.11)	--	--	0.050	ND (0.11)	0.029	0.026	0.034
Nickel	mg/kg	7.4	6.6	5.3	5.3	13.9	4.7	14.3	4.0	6.6	5.0	5.2
Selenium	mg/kg	--	--	0.062 J	0.073 J	--	--	0.13	0.067	0.10	ND (0.21)	0.060
Silver	mg/kg	--	--	ND (0.54)	ND (0.54)	--	--	ND (0.55)	ND (0.54)	ND (0.54)	ND (0.52)	ND (0.56)
Thallium	mg/kg	--	--	ND (0.11)	ND (0.11) U	--	--	0.043	0.014	0.023	0.026	0.028
Vanadium	mg/kg	--	--	8.2	7.1	--	--	12.2	6.3	18.8	5.6	10.1
Zinc	mg/kg	--	--	8.7	9.1	--	--	18.1	8.4	13.0	9.7	8.0
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.37)
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.37)
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.37)
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.37)
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.37)
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	0.016	ND (0.36)	0.11	0.069	ND (0.37)
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	ND (0.37)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.37)
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	91.3	92.2	92.9	93.2	89.5	84.4	90.3	91.8	92.3	96.2	89.6

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-5S*	*MW-A1/33-5S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-7S*	*MW-A1/33-7S*	*MW-A1/33-8D*	*MW-A1/33-8S*	*SB-A1/33-1*	*SB-A1/33-2*	*SB-A1/33-2*
Depth:		*5.5-7.5 ft BGS*	*5.6-7.5 ft BGS*	*1-3 ft BGS*	*4.5-6.5 ft BGS*	*1-3 ft BGS*	*6-8 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-030603-DCR-939*	*S-030603-DCR-940*	*S-030703-DCR-1000*	*S-030703-DCR-1001*	*S-030703-DCR-998*	*S-030703-DCR-999*	*S-027203-DCR-745*	*S-027203-DCR-744*	*S-101602-MM-437*	*S-101602-MM-440*	*S-101602-MM-441*
Sample Date:		*3/6/2003*	*3/6/2003*	*3/7/2003*	*3/7/2003*	*3/7/2003*	*3/7/2003*	*2/27/2003*	*2/27/2003*	*10/16/2002*	*10/16/2002*	*10/16/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	ND (0.052)	ND (0.053)	0.47	6.3	0.12	0.078	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
1,1,2,2-Tetrachloroethane	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
1,1,2-Trichloroethane	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	0.022	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
1,1-Dichloroethane	mg/kg	ND (0.052)	ND (0.053)	0.14	0.36	0.036	0.023	ND (0.057)	ND (0.061)	0.022 J	ND (0.057)	ND (0.064)
1,1-Dichloroethene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	0.07	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
1,2,4-Trichlorobenzene	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
1,2-Dichlorobenzene	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
1,2-Dichloroethane	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
1,2-Dichloropropane	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
1,3-Dichlorobenzene	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
1,4-Dichlorobenzene	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND (0.78)	ND (0.8)	ND (0.76)	ND (0.84)	ND (0.84)	ND (0.87)	ND (0.86)	ND (0.92)	ND (0.96)	ND (0.86)	ND (0.96)
2-Hexanone	mg/kg	ND (2.6)	ND (2.7)	ND (2.5)	ND (2.8)	ND (2.8)	ND (2.9)	ND (2.9)	ND (3.1)	ND (3.2)	ND (2.9)	ND (3.2)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (2.6)	ND (2.7)	ND (2.5)	ND (2.8)	ND (2.8)	ND (2.9)	ND (2.9)	ND (3.1)	ND (3.2)	ND (2.9)	ND (3.2)
Acetone	mg/kg	ND (0.78)	ND (0.8)	ND (0.76)	ND (0.84)	ND (0.84)	ND (0.87)	ND (0.86)	ND (0.92)	ND (0.96) U	ND (0.86) U	ND (0.96) U
Benzene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Bromodichloromethane	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
Bromoform	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
Bromomethane (Methyl Bromide)	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
Carbon disulfide	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
Carbon tetrachloride	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Chlorobenzene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Chloroethane	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
Chloroform (Trichloromethane)	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Chloromethane (Methyl Chloride)	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
cis-1,2-Dichloroethene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
cis-1,3-Dichloropropene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Cyclohexane	mg/kg	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.5)	ND (1.5) UJ	ND (1.4) UJ	ND (1.5) UJ
Dibromochloromethane	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
Ethylbenzene	mg/kg	0.025	0.024	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Isopropylbenzene	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
Methyl acetate	mg/kg	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.3)	0.25	0.071	ND (1.5)	ND (1.5)	ND (1.4)	ND (1.5)
Methyl cyclohexane	mg/kg	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.5)	ND (1.5) UJ	ND (1.4) UJ	ND (1.5) UJ
Methyl Tert Butyl Ether	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
Methylene chloride	mg/kg	ND (0.26)	ND (0.27)	0.049	0.053	0.059	0.032	ND (0.29)	ND (0.31)	ND (0.32) U	ND (0.29) U	ND (0.32) U
Styrene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Tetrachloroethene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Toluene	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
trans-1,2-Dichloroethene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
trans-1,3-Dichloropropene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	ND (0.064)	ND (0.057)	ND (0.064)
Trichloroethene	mg/kg	ND (0.052)	ND (0.053)	ND (0.051)	ND (0.056)	ND (0.056)	ND (0.058)	ND (0.057)	ND (0.061)	R	R	R
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.26)	ND (0.27)	ND (0.25)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.31)	ND (0.32)	ND (0.29)	ND (0.32)
Vinyl chloride	mg/kg	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.11)	ND (0.13)
Xylene (total)	mg/kg	0.14	0.13	ND (0.15)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.19)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-5S*	*MW-A1/33-5S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-7S*	*MW-A1/33-7S*	*MW-A1/33-8D*	*MW-A1/33-8S*	*SB-A1/33-1*	*SB-A1/33-2*	*SB-A1/33-2*
Depth:		*5.5-7.5 ft BGS*	*5.6-7.5 ft BGS*	*1-3 ft BGS*	*4.5-6.5 ft BGS*	*1-3 ft BGS*	*6-8 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-030603-DCR-939*	*S-030603-DCR-940*	*S-030703-DCR-1000*	*S-030703-DCR-1001*	*S-030703-DCR-998*	*S-030703-DCR-999*	*S-027203-DCR-745*	*S-027203-DCR-744*	*S-101602-MM-437*	*S-101602-MM-440*	*S-101602-MM-441*
Sample Date:		*3/6/2003*	*3/6/2003*	*3/7/2003*	*3/7/2003*	*3/7/2003*	*3/7/2003*	*2/27/2003*	*2/27/2003*	*10/16/2002*	*10/16/2002*	*10/16/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2,4,5-Trichlorophenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2,4,6-Trichlorophenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2,4-Dichlorophenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2,4-Dimethylphenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2,4-Dinitrophenol	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.8)	ND (1.8)
2,4-Dinitrotoluene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2,6-Dinitrotoluene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2-Chloronaphthalene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2-Chlorophenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2-Methylnaphthalene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	0.05	0.056	0.051	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	ND (1.8)	ND (0.35)	ND (0.35)
2-Nitroaniline	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.8)	ND (1.8)
2-Nitrophenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
3,3'-Dichlorobenzidine	mg/kg	ND (110)	ND (110)	ND (2.2)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2.3)	ND (2.2)	ND (11)	ND (2.1)	ND (2.1)
3-Nitroaniline	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.8)	ND (1.8)
4,6-Dinitro-2-methylphenol	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3) UJ	ND (1.8) UJ	ND (1.8) UJ
4-Bromophenyl phenyl ether	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
4-Chloro-3-methylphenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
4-Chloroaniline	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.8)	ND (1.8)
4-Chlorophenyl phenyl ether	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	ND (1.8)	ND (0.35)	ND (0.35)
4-Nitroaniline	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.8)	ND (1.8)
4-Nitrophenol	mg/kg	ND (92)	ND (92)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.8)	ND (1.8)
Acenaphthene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Acenaphthylene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Acetophenone	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Anthracene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Atrazine	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Benzaldehyde	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Benzo(a)anthracene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	0.095 J	ND (0.35)
Benzo(a)pyrene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	0.082 J	ND (0.35)
Benzo(b)fluoranthene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	0.11 J	ND (0.35)
Benzo(g,h,i)perylene	mg/kg	ND (18)	ND (18)	0.022	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	0.058 J	ND (0.35)
Benzo(k)fluoranthene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	0.049 J	ND (0.35)
Biphenyl	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
bis(2-Chloroethoxy)methane	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
bis(2-Chloroethyl)ether	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
bis(2-Ethylhexyl)phthalate	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35) U	ND (0.35)
Butyl benzylphthalate	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Caprolactam	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Carbazole	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Chrysene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	0.027	ND (0.36)	ND (1.8)	0.11 J	ND (0.35)
Dibenz(a,h)anthracene	mg/kg	ND (18)	ND (18)	0.025	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Dibenzofuran	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Diethyl phthalate	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Dimethyl phthalate	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Di-n-butylphthalate	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Di-n-octyl phthalate	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Fluoranthene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	0.05	0.047	0.081	ND (0.36)	0.34 J	0.24 J	ND (0.35)
Fluorene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Hexachlorobenzene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Hexachlorobutadiene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Hexachlorocyclopentadiene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Hexachloroethane	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Indeno(1,2,3-cd)pyrene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	0.05 J	ND (0.35)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-5S*	*MW-A1/33-5S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-7S*	*MW-A1/33-7S*	*MW-A1/33-8D*	*MW-A1/33-8S*	*SB-A1/33-1*	*SB-A1/33-2*	*SB-A1/33-2*
Depth:		*5.5-7.5 ft BGS*	*5.6-7.5 ft BGS*	*1-3 ft BGS*	*4.5-6.5 ft BGS*	*1-3 ft BGS*	*6-8 ft BGS*	*7-9 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-030603-DCR-939*	*S-030603-DCR-940*	*S-030703-DCR-1000*	*S-030703-DCR-1001*	*S-030703-DCR-998*	*S-030703-DCR-999*	*S-027203-DCR-745*	*S-027203-DCR-744*	*S-101602-MM-437*	*S-101602-MM-440*	*S-101602-MM-441*
Sample Date:		*3/6/2003*	*3/6/2003*	*3/7/2003*	*3/7/2003*	*3/7/2003*	*3/7/2003*	*2/27/2003*	*2/27/2003*	*10/16/2002*	*10/16/2002*	*10/16/2002*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Methylphenol (Cresol)	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Naphthalene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Nitrobenzene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
N-Nitrosodi-n-propylamine	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
N-Nitrosodiphenylamine	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Pentachlorophenol	mg/kg	ND (43)	ND (43)	ND (0.89)	ND (0.85)	ND (0.85)	ND (0.86)	ND (0.91)	ND (0.87)	ND (4.4)	ND (0.84)	ND (0.84)
Phenanthrene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	0.056	0.057	0.084	ND (0.36)	0.34 J	0.14 J	ND (0.35)
Phenol	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	0.04	0.036	ND (0.38)	ND (0.36)	ND (1.8)	ND (0.35)	ND (0.35)
Pyrene	mg/kg	ND (18)	ND (18)	ND (0.37)	ND (0.35)	0.04	0.036	0.06	ND (0.36)	0.38 J	0.17 J	ND (0.35)
Metals												
Antimony	mg/kg	ND (0.54)	0.31	ND (0.56)	ND (0.53)	ND (0.53)	ND (0.54)	0.28	0.30	ND (0.54)	ND (0.53)	ND (0.53)
Arsenic	mg/kg	0.74	0.85	1.8	4.3	1.7	3.9	1.5	2.4	1.7	1.6	1.5
Barium	mg/kg	9.6	9.8	23.6	6.7	8.3	12.1	12.8	5.9	16.0	12.6	19.8
Beryllium	mg/kg	ND (0.22)	ND (0.22)	0.22	0.11	0.14	0.13	0.16	0.13	ND (0.22)	ND (0.21)	ND (0.21)
Cadmium	mg/kg	0.027	0.024	0.032	0.063	0.053	0.065	0.049	0.084	0.064	0.081	0.084
Chromium III (Trivalent)	mg/kg	6.4	5.7	9.1	6.2	6.3	6.5	9.9	3.2	--	--	--
Chromium Total	mg/kg	6.5	5.8	9.2	6.4	6.4	6.6	10.2	3.5	7.3	5.9	7.5
Chromium VI (Hexavalent)	mg/kg	ND (0.86)	0.12	0.16	0.19	ND (0.85)	ND (0.86)	0.27	0.31	ND (0.87)	0.29 J	0.46 J
Cobalt	mg/kg	2.1	2.1	3.2	2.5	2.2	2.8	2.7	1.8	3.1	2.2	3.6
Copper	mg/kg	2.2	2.1	4.4	5.5	4.5	5.7	8.9	4.7	5.8	4.8	6.7
Cyanide (total)	mg/kg	--	--	--	--	--	--	--	--	ND (0.22)	ND (0.21)	ND (0.21)
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.4	3.6	4.3	2.5	3.0	3.7	3.9	1.8	6.0	3.7	5.2
Manganese	mg/kg	46.1	45.3	106	122	107	166	123	191	158	108	201
Mercury	mg/kg	0.028	0.026	0.026	ND (0.11)	0.031	0.022	0.032	0.024	0.021 J	0.023 J	0.018 J
Nickel	mg/kg	4.5	4.5	6.8	6.8	5.3	6.1	7.0	5.0	6.9	5.4	6.9
Selenium	mg/kg	ND (0.22)	0.10	0.063	0.068	ND (0.21)	0.13	0.063	ND (0.22)	0.076 J	0.067 J	0.078 J
Silver	mg/kg	ND (0.54)	ND (0.54)	ND (0.56)	ND (0.53)	ND (0.53)	ND (0.54)	ND (0.57)	ND (0.55)	ND (0.54)	ND (0.53)	ND (0.53)
Thallium	mg/kg	0.025	0.026	0.046	0.044	0.040	0.039	0.034	0.043	ND (0.11) U	ND (0.11) U	ND (0.11) U
Vanadium	mg/kg	8.2	8.2	14.9	8.7	10.0	10	9.7	4.5	13.7	8.6	16.1
Zinc	mg/kg	13.8	13.9	12.7	11.4	11.8	11.3	9.6	10.5	12.4	16.1	15.1
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	ND (0.71)	ND (0.71)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	ND (0.71)	ND (0.71)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	ND (0.71)	ND (0.71)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	ND (0.71)	ND (0.71)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	0.75	0.77	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	ND (0.71)	ND (0.71)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	ND (0.71)	ND (0.71)	ND (0.37)	ND (0.35)	ND (0.35)	ND (0.36)	ND (0.38)	ND (0.36)	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	92.7	92.3	89.8	93.8	94.1	92.8	87.9	91.6	91.8	95.2	94.8

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*SB-A1/33-2*	*SB-A1/33-3*	*SB-A1/33-3*	*SB-A1/33-4*	*SB-A1/33-4*	*SB-A1/33-5*	*SB-A1/33-5*	*SB-A1/33-6*	*SB-A1/33-6*	*MW-S-1S*	*MW-S-1S*
Depth:		*4-6 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*10-12 ft BGS*
Sample ID:		*S-101602-MM-442*	*S-101602-MM-443*	*S-101602-MM-444*	*S-101602-MM-438*	*S-101602-MM-439*	*S-101102-MM-415*	*S-101102-MM-416*	*S-101602-MM-435*	*S-101602-MM-436*	*S-092502-MM-247*	*S-092502-MM-248*
Sample Date:		*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/11/2002*	*10/11/2002*	*10/16/2002*	*10/16/2002*	*9/25/2002*	*9/25/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	1.5	0.23	0.11	7.8	ND (0.052)	0.1
1,1,2,2-Tetrachloroethane	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
1,1,2-Trichloroethane	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
1,1-Dichloroethane	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	0.032 J	0.23	0.084	0.065	1.2	ND (0.052)	ND (0.054)
1,1-Dichloroethene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	0.041 J	ND (0.052)	ND (0.054)
1,2,4-Trichlorobenzene	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
1,2-Dichlorobenzene	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
1,2-Dichloroethane	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
1,2-Dichloropropane	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
1,3-Dichlorobenzene	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
1,4-Dichlorobenzene	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND (0.94)	ND (0.99)	ND (1)	ND (1)	ND (0.87)	ND (1.1)	ND (1.2)	ND (0.96)	ND (1.1)	ND (0.78)	ND (0.81)
2-Hexanone	mg/kg	ND (3.1)	ND (3.3)	ND (3.5)	ND (3.4)	ND (2.9)	ND (3.6)	ND (3.9)	ND (3.2)	ND (3.8)	ND (2.6)	ND (2.7)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (3.1)	ND (3.3)	ND (3.5)	ND (3.4)	ND (2.9)	ND (3.6)	ND (3.9)	ND (3.2)	ND (3.8)	ND (2.6)	ND (2.7)
Acetone	mg/kg	ND (0.94) U	ND (0.99) U	ND (1) U	ND (1) U	ND (0.87) U	ND (1.1) UJ	ND (1.2) UJ	ND (0.96) U	ND (1.1) U	ND (0.78)	ND (0.81)
Benzene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Bromodichloromethane	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
Bromoform	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14) UJ	ND (0.16) UJ	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
Bromomethane (Methyl Bromide)	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
Carbon disulfide	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
Carbon tetrachloride	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Chlorobenzene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Chloroethane	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
Chloroform (Trichloromethane)	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Chloromethane (Methyl Chloride)	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
cis-1,2-Dichloroethene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
cis-1,3-Dichloropropene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Cyclohexane	mg/kg	ND (1.5) UJ	ND (1.6) UJ	ND (1.7) UJ	ND (1.6) UJ	ND (1.4) UJ	ND (1.7)	ND (1.9)	ND (1.5) UJ	ND (1.8) UJ	ND (1.3)	ND (1.3)
Dibromochloromethane	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14) UJ	ND (0.16) UJ	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
Ethylbenzene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Isopropylbenzene	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
Methyl acetate	mg/kg	ND (1.5)	ND (1.6)	ND (1.7)	ND (1.6)	0.08 J	ND (1.7)	ND (1.9)	ND (1.5)	ND (1.8)	ND (1.3)	ND (1.3)
Methyl cyclohexane	mg/kg	ND (1.5) UJ	ND (1.6) UJ	ND (1.7) UJ	ND (1.6) UJ	ND (1.4) UJ	ND (1.7)	ND (1.9)	ND (1.5) UJ	ND (1.8) UJ	ND (1.3)	ND (1.3)
Methyl Tert Butyl Ether	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
Methylene chloride	mg/kg	ND (0.31) U	ND (0.33) U	ND (0.35) U	ND (0.34) U	ND (0.29) U	ND (0.36)	ND (0.39)	ND (0.32) U	ND (0.38) U	ND (0.26) U	ND (0.27) U
Styrene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Tetrachloroethene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Toluene	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
trans-1,2-Dichloroethene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
trans-1,3-Dichloropropene	mg/kg	ND (0.063)	ND (0.066)	ND (0.069)	ND (0.067)	ND (0.058)	ND (0.072)	ND (0.078)	ND (0.064)	ND (0.075)	ND (0.052)	ND (0.054)
Trichloroethene	mg/kg	R	R	R	R	R	ND (0.072)	ND (0.078)	R	R	ND (0.052)	ND (0.054)
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1) UJ	ND (0.11) UJ
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.34)	ND (0.29)	ND (0.36)	ND (0.39)	ND (0.32)	ND (0.38)	ND (0.26)	ND (0.27)
Vinyl chloride	mg/kg	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.15)	ND (0.1)	ND (0.11)
Xylene (total)	mg/kg	ND (0.19)	ND (0.2)	ND (0.21)	ND (0.2)	ND (0.17)	ND (0.21)	ND (0.23)	ND (0.19)	ND (0.23)	ND (0.16)	ND (0.16)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*SB-A1/33-2*	*SB-A1/33-3*	*SB-A1/33-3*	*SB-A1/33-4*	*SB-A1/33-4*	*SB-A1/33-5*	*SB-A1/33-5*	*SB-A1/33-6*	*SB-A1/33-6*	*MW-S-1S*	*MW-S-1S*
Depth:		*4-6 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*10-12 ft BGS*
Sample ID:		*S-101602-MM-442*	*S-101602-MM-443*	*S-101602-MM-444*	*S-101602-MM-438*	*S-101602-MM-439*	*S-101102-MM-415*	*S-101102-MM-416*	*S-101602-MM-435*	*S-101602-MM-436*	*S-092502-MM-247*	*S-092502-MM-248*
Sample Date:		*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/11/2002*	*10/11/2002*	*10/16/2002*	*10/16/2002*	*9/25/2002*	*9/25/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2,4,5-Trichlorophenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2,4,6-Trichlorophenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2,4-Dichlorophenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2,4-Dimethylphenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2,4-Dinitrophenol	mg/kg	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	--	--	ND (1.8)	ND (19)	--	--
2,4-Dinitrotoluene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2,6-Dinitrotoluene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2-Chloronaphthalene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2-Chlorophenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2-Methylnaphthalene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2-Methylphenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
2-Nitroaniline	mg/kg	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	--	--	ND (1.8)	ND (19)	--	--
2-Nitrophenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
3,3'-Dichlorobenzidine	mg/kg	ND (2.2)	ND (2.1)	ND (2.2)	ND (2.2)	ND (2.2)	--	--	ND (2.1)	ND (22)	--	--
3-Nitroaniline	mg/kg	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	--	--	ND (1.8)	ND (19)	--	--
4,6-Dinitro-2-methylphenol	mg/kg	ND (1.9) UJ	ND (1.8) UJ	ND (1.8) UJ	ND (1.8) UJ	ND (1.9) UJ	--	--	ND (1.8) UJ	ND (19) UJ	--	--
4-Bromophenyl phenyl ether	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
4-Chloro-3-methylphenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
4-Chloroaniline	mg/kg	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	--	--	ND (1.8)	ND (19)	--	--
4-Chlorophenyl phenyl ether	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
4-Methylphenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
4-Nitroaniline	mg/kg	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	--	--	ND (1.8)	ND (19)	--	--
4-Nitrophenol	mg/kg	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	--	--	ND (1.8)	ND (19)	--	--
Acenaphthene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Acenaphthylene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Acetophenone	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Anthracene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Atrazine	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Benzaldehyde	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Benzo(a)anthracene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Benzo(a)pyrene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Benzo(b)fluoranthene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Benzo(g,h,i)perylene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Benzo(k)fluoranthene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Biphenyl	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
bis(2-Chloroethoxy)methane	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
bis(2-Chloroethyl)ether	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	ND (0.37) U	ND (0.34)	ND (0.36)	ND (0.35) U	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Butyl benzylphthalate	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Caprolactam	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Carbazole	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Chrysene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Dibenz(a,h)anthracene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Dibenzofuran	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Diethyl phthalate	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	0.044 J	ND (3.6)	--	--
Dimethyl phthalate	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Di-n-butylphthalate	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Di-n-octyl phthalate	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Fluoranthene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Fluorene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Hexachlorobenzene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Hexachlorobutadiene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Hexachlorocyclopentadiene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Hexachloroethane	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*SB-A1/33-2*	*SB-A1/33-3*	*SB-A1/33-3*	*SB-A1/33-4*	*SB-A1/33-4*	*SB-A1/33-5*	*SB-A1/33-5*	*SB-A1/33-6*	*SB-A1/33-6*	*MW-S-1S*	*MW-S-1S*
Depth:		*4-6 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*4-6 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*5-7 ft BGS*	*0-2 ft BGS*	*10-12 ft BGS*
Sample ID:		*S-101602-MM-442*	*S-101602-MM-443*	*S-101602-MM-444*	*S-101602-MM-438*	*S-101602-MM-439*	*S-101102-MM-415*	*S-101102-MM-416*	*S-101602-MM-435*	*S-101602-MM-436*	*S-092502-MM-247*	*S-092502-MM-248*
Sample Date:		*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/16/2002*	*10/11/2002*	*10/11/2002*	*10/16/2002*	*10/16/2002*	*9/25/2002*	*9/25/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units											
Isophorone	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Nitrobenzene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
N-Nitrosodi-n-propylamine	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
N-Nitrosodiphenylamine	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Pentachlorophenol	mg/kg	ND (0.89)	ND (0.83)	ND (0.86)	ND (0.86)	ND (0.89)	--	--	ND (0.86)	ND (8.8)	--	--
Phenanthrene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Phenol	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Pyrene	mg/kg	ND (0.37)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.37)	--	--	ND (0.35)	ND (3.6)	--	--
Metals												
Antimony	mg/kg	ND (0.56)	ND (0.52)	ND (0.54)	ND (0.54)	ND (0.56)	--	--	ND (0.54)	ND (0.55)	ND (0.54)	ND (0.53) U
Arsenic	mg/kg	0.95	1.6	2.0	1.5	2.2	--	--	1.7	3.0	2.0	1.4
Barium	mg/kg	18.8	12.9	8.5	17.6	16.8	--	--	15.8	5.7	17.0	7.9
Beryllium	mg/kg	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)	--	--	ND (0.21)	ND (0.22)	ND (0.21) U	ND (0.21) U
Cadmium	mg/kg	0.061	0.086	0.040 J	0.050 J	0.068	--	--	0.051 J	ND (0.055) U	0.11	0.053
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	8.5	7.9	4.7	6.7	8.7	--	--	7.2	3.3	34.6	7.2
Chromium VI (Hexavalent)	mg/kg	ND (0.89)	ND (0.83)	0.28 J	ND (0.86)	ND (0.89)	--	--	0.24 J	0.47 J	0.91	ND (0.84)
Cobalt	mg/kg	2.3	2.3	2.7	2.4	3.1	--	--	2.6	1.5	2.1	2.0
Copper	mg/kg	2.6	4.4	5.1	4.0	5.0	--	--	4.6	3.2	20.0	6.5
Cyanide (total)	mg/kg	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)	--	--	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.21)
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.8	3.8	2.4	4.7	4.0	--	--	4.9	2.0	8.7	2.9
Manganese	mg/kg	107	104	156	92.8	150	--	--	116	74.9	175	174
Mercury	mg/kg	ND (0.11)	ND (0.10)	ND (0.11)	0.024 J	0.024 J	--	--	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Nickel	mg/kg	5.3	5.3	6.0	5.3	6.4	--	--	5.6	3.8	17.8	7.8
Selenium	mg/kg	0.13 J	ND (0.21)	0.075 J	0.080 J	0.11 J	--	--	ND (0.21)	0.063 J	0.13 J	0.068 J
Silver	mg/kg	ND (0.56)	ND (0.52)	ND (0.54)	ND (0.54)	ND (0.56)	--	--	ND (0.54)	ND (0.55)	ND (0.54)	ND (0.53)
Thallium	mg/kg	ND (0.11) U	ND (0.10) U	ND (0.11) U	ND (0.11) U	ND (0.11) U	--	--	ND (0.11) U	ND (0.11) U	ND (0.11) U	ND (0.11) U
Vanadium	mg/kg	10.9	11.9	8.6	10.4	12.3	--	--	11.1	5.6	8.3	6.6
Zinc	mg/kg	15.7	9.7	11.3	10.7	15.1	--	--	12.0	9.3	20.6	10.0
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
pH	s.u.	--	--	--	--	--	--	--	--	--	--	--
Total Solids	%	90.0	96.6	92.6	93.0	89.5	93.0	89.3	93.4	91.1	93.1	94.9

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-2S*	*MW-S-2S*	*MW-S-3S*	*MW-S-3S*	*MW-S-3S*	*MW-S-7S*	*MW-S-7S*	*MW-S-7S*	*MW-S-8D*
Depth:		*0-2 ft BGS*	*10-12 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*11-13 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092502-MM-245*	*S-092502-MM-246*	*S-092502-MM-242*	*S-092502-MM-243*	*S-092502-MM-244*	*S-030403-DRD-901*	*S-030403-DRD-902*	*S-030403-DRD-903*	*S-12607-022403-DCR-696*
Sample Date:		*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*3/4/2003*	*3/4/2003*	*3/4/2003*	*2/24/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	0.026 J	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
1,1,2-Trichloroethane	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
1,1-Dichloroethane	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
1,1-Dichloroethene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
1,2-Dichlorobenzene	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
1,2-Dichloroethane	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
1,2-Dichloropropane	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
1,3-Dichlorobenzene	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
1,4-Dichlorobenzene	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND (0.84)	ND (0.8)	ND (0.79)	ND (0.78)	ND (0.81)	--	--	--	--
2-Hexanone	mg/kg	ND (2.8)	ND (2.7)	ND (2.6)	ND (2.6)	ND (2.7)	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND (2.8)	ND (2.7)	ND (2.6)	ND (2.6)	ND (2.7)	--	--	--	--
Acetone	mg/kg	ND (0.84)	ND (0.8)	ND (0.79)	ND (0.78)	ND (0.81)	--	--	--	--
Benzene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Bromodichloromethane	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
Bromoform	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
Bromomethane (Methyl Bromide)	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
Carbon disulfide	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
Carbon tetrachloride	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Chlorobenzene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Chloroethane	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
Chloroform (Trichloromethane)	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Chloromethane (Methyl Chloride)	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Cyclohexane	mg/kg	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.3)	--	--	--	--
Dibromochloromethane	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
Ethylbenzene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Isopropylbenzene	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
Methyl acetate	mg/kg	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.3)	--	--	--	--
Methyl cyclohexane	mg/kg	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.3)	--	--	--	--
Methyl Tert Butyl Ether	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
Methylene chloride	mg/kg	ND (0.28) U	ND (0.27) U	ND (0.26) U	ND (0.26) U	ND (0.27) U	--	--	--	--
Styrene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Tetrachloroethene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Toluene	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Trichloroethene	mg/kg	ND (0.056)	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.054)	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/kg	ND (0.11) UJ	ND (0.11) UJ	ND (0.11) UJ	ND (0.1) UJ	ND (0.11) UJ	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/kg	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.27)	--	--	--	--
Vinyl chloride	mg/kg	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.1)	ND (0.11)	--	--	--	--
Xylene (total)	mg/kg	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-2S*	*MW-S-2S*	*MW-S-3S*	*MW-S-3S*	*MW-S-3S*	*MW-S-7S*	*MW-S-7S*	*MW-S-7S*	*MW-S-8D*
Depth:		*0-2 ft BGS*	*10-12 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*11-13 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092502-MM-245*	*S-092502-MM-246*	*S-092502-MM-242*	*S-092502-MM-243*	*S-092502-MM-244*	*S-030403-DRD-901*	*S-030403-DRD-902*	*S-030403-DRD-903*	*S-12607-022403-DCR-696*
Sample Date:		*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*3/4/2003*	*3/4/2003*	*3/4/2003*	*2/24/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units									
Semi-volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-2S*	*MW-S-2S*	*MW-S-3S*	*MW-S-3S*	*MW-S-3S*	*MW-S-7S*	*MW-S-7S*	*MW-S-7S*	*MW-S-8D*
Depth:		*0-2 ft BGS*	*10-12 ft BGS*	*0-2 ft BGS*	*8-10 ft BGS*	*8-10 ft BGS*	*0-2 ft BGS*	*0-2 ft BGS*	*11-13 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-092502-MM-245*	*S-092502-MM-246*	*S-092502-MM-242*	*S-092502-MM-243*	*S-092502-MM-244*	*S-030403-DRD-901*	*S-030403-DRD-902*	*S-030403-DRD-903*	*S-12607-022403-DCR-696*
Sample Date:		*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*9/25/2002*	*3/4/2003*	*3/4/2003*	*3/4/2003*	*2/24/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units									
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--
Metals										
Antimony	mg/kg	ND (0.53) U	ND (0.52)	ND (0.54) U	ND (0.53)	ND (0.53)	--	--	--	--
Arsenic	mg/kg	1.9	1.6	2.1	1.6	2.9	--	--	--	--
Barium	mg/kg	12.5	7.2	26.6	6.3	8.4	--	--	--	--
Beryllium	mg/kg	ND (0.21) U	ND (0.21) U	ND (0.22) U	ND (0.21) U	ND (0.21) U	--	--	--	--
Cadmium	mg/kg	0.11	0.057	0.31	0.055	0.073	--	--	--	--
Chromium III (Trivalent)	mg/kg	--	--	--	--	--	9.2	11.0	4.5	10.1
Chromium Total	mg/kg	18.4	4.4	9.7	4.3	5.8	9.9	11.8	4.6	10.2
Chromium VI (Hexavalent)	mg/kg	0.26 J	0.26 J	0.80 J	ND (0.85)	0.35 J	0.68	0.78	0.14	ND (0.86)
Cobalt	mg/kg	1.9	1.7	2.0	1.7	2.1	--	--	--	--
Copper	mg/kg	14.4	4.8	9.6	4.0	6.6	--	--	--	--
Cyanide (total)	mg/kg	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.21)	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--
Lead	mg/kg	67.2	3.0	30.8	2.3	3.6	--	--	--	--
Manganese	mg/kg	141	127	183	124	151	--	--	--	--
Mercury	mg/kg	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)	ND (0.11)	--	--	--	--
Nickel	mg/kg	10.3	5.7	102	5.8	8.1	18.7	23.0	8.0	36.4
Selenium	mg/kg	0.075 J	ND (0.21)	0.081 J	ND (0.21)	ND (0.21)	--	--	--	--
Silver	mg/kg	ND (0.53)	ND (0.52)	ND (0.54)	ND (0.53)	ND (0.53)	--	--	--	--
Thallium	mg/kg	ND (0.11) U	ND (0.10) U	ND (0.11) U	ND (0.11) U	ND (0.11) U	--	--	--	--
Vanadium	mg/kg	7.2	5.5	8.5	5.8	9.0	--	--	--	--
Zinc	mg/kg	24.8	11.0	72.6	10.6	13.2	--	--	--	--
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--
General Chemistry										
pH	s.u.	--	--	--	--	--	--	--	--	--
Total Solids	%	94.1	95.5	93.0	94.2	94.9	88.3	86.8	92.3	93.1

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-8D*	*MW-S-9S*	*MW-S-9S*	*MW-S-10D*	*MW-S-10D*	*MW-W-1S*	*MW-W-1S*	*MW-W-2D*	*MW-W-2S*
Depth:		*7-9 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-12607-022403-DCR-697*	*S-030403-DRD-904*	*S-030403-DRD-905*	*S-12607-022403-DCR-698*	*S-12607-022403-DCR-699*	*S-100902-MM-359*	*S-100902-MM-360*	*S-101002-MM-378*	*S-100902-MM-361*
Sample Date:		*2/24/2003*	*3/4/2003*	*3/4/2003*	*2/24/2003*	*2/24/2003*	*10/9/2002*	*10/9/2002*	*10/10/2002*	*10/9/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
1,1-Dichloroethane	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
1,1-Dichloroethene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
1,2-Dichloroethane	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
1,2-Dichloropropane	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
2-Butanone (Methyl Ethyl Ketone)	mg/kg	--	--	--	--	--	ND (0.92)	ND (1)	ND (0.74)	ND (1.1)
2-Hexanone	mg/kg	--	--	--	--	--	ND (3.1)	ND (3.4)	ND (2.5)	ND (3.5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	--	--	--	--	--	ND (3.1)	ND (3.4)	ND (2.5)	ND (3.5)
Acetone	mg/kg	--	--	--	--	--	ND (0.92)	ND (1)	ND (0.74) UJ	ND (1.1)
Benzene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Bromodichloromethane	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
Bromoform	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099) UJ	ND (0.14)
Bromomethane (Methyl Bromide)	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35) U
Carbon disulfide	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
Carbon tetrachloride	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Chlorobenzene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Chloroethane	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
Chloroform (Trichloromethane)	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Chloromethane (Methyl Chloride)	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Cyclohexane	mg/kg	--	--	--	--	--	ND (1.5)	ND (1.6)	ND (1.2)	ND (1.7)
Dibromochloromethane	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Dichlorodifluoromethane (CFC-12)	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099) UJ	ND (0.14)
Ethylbenzene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Isopropylbenzene	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
Methyl acetate	mg/kg	--	--	--	--	--	0.052 J	0.049 J	0.051 J	0.053 J
Methyl cyclohexane	mg/kg	--	--	--	--	--	ND (1.5)	ND (1.6)	ND (1.2)	ND (1.7)
Methyl Tert Butyl Ether	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
Methylene chloride	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
Styrene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Tetrachloroethene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Toluene	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Trichloroethene	mg/kg	--	--	--	--	--	ND (0.062)	ND (0.067)	ND (0.049)	ND (0.07)
Trichlorofluoromethane (CFC-11)	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
Trifluorotrichloroethane (Freon 113)	mg/kg	--	--	--	--	--	ND (0.31)	ND (0.34)	ND (0.25)	ND (0.35)
Vinyl chloride	mg/kg	--	--	--	--	--	ND (0.12)	ND (0.13)	ND (0.099)	ND (0.14)
Xylene (total)	mg/kg	--	--	--	--	--	ND (0.18)	ND (0.2)	ND (0.15)	ND (0.21)

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-8D*	*MW-S-9S*	*MW-S-9S*	*MW-S-10D*	*MW-S-10D*	*MW-W-1S*	*MW-W-1S*	*MW-W-2D*	*MW-W-2S*
Depth:		*7-9 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-12607-022403-DCR-697*	*S-030403-DRD-904*	*S-030403-DRD-905*	*S-12607-022403-DCR-698*	*S-12607-022403-DCR-699*	*S-100902-MM-359*	*S-100902-MM-360*	*S-101002-MM-378*	*S-100902-MM-361*
Sample Date:		*2/24/2003*	*3/4/2003*	*3/4/2003*	*2/24/2003*	*2/24/2003*	*10/9/2002*	*10/9/2002*	*10/10/2002*	*10/9/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units									
Semi-volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl)ether)	mg/kg	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/kg	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/kg	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--
Atrazine	mg/kg	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--
Biphenyl	mg/kg	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--
Caprolactam	mg/kg	--	--	--	--	--	--	--	--	--
Carbazole	mg/kg	--	--	--	--	--	--	--	--	--
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/kg	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/kg	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	--	--	--	--	--	--	--	--	--

TABLE A.1

RFI SOIL SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-8D*	*MW-S-9S*	*MW-S-9S*	*MW-S-10D*	*MW-S-10D*	*MW-W-1S*	*MW-W-1S*	*MW-W-2D*	*MW-W-2S*
Depth:		*7-9 ft BGS*	*0-2 ft BGS*	*7.5-9.5 ft BGS*	*0-2 ft BGS*	*9-11 ft BGS*	*0-2 ft BGS*	*7-9 ft BGS*	*6-8 ft BGS*	*0-2 ft BGS*
Sample ID:		*S-12607-022403-DCR-697*	*S-030403-DRD-904*	*S-030403-DRD-905*	*S-12607-022403-DCR-698*	*S-12607-022403-DCR-699*	*S-100902-MM-359*	*S-100902-MM-360*	*S-101002-MM-378*	*S-100902-MM-361*
Sample Date:		*2/24/2003*	*3/4/2003*	*3/4/2003*	*2/24/2003*	*2/24/2003*	*10/9/2002*	*10/9/2002*	*10/10/2002*	*10/9/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE I*
Matrix:		*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*	*SO*
	Units									
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/kg	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/kg	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/kg	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	--	--	--	--	--	--	--	--	--
Metals										
Antimony	mg/kg	--	--	--	--	--	ND (0.56) UJ	ND (0.51) UJ	ND (0.57)	ND (0.54) UJ
Arsenic	mg/kg	--	--	--	--	--	2.1	0.93	3.0	3.5
Barium	mg/kg	--	--	--	--	--	28.1	4.8	16.8	23.1
Beryllium	mg/kg	--	--	--	--	--	ND (0.22)	ND (0.21)	ND (0.23) U	ND (0.22)
Cadmium	mg/kg	--	--	--	--	--	0.16	ND (0.051) U	0.11	0.094
Chromium III (Trivalent)	mg/kg	4.2	9.3	4.1	5.9	5.8	--	--	--	--
Chromium Total	mg/kg	4.3	9.5	4.1	6.2	6.1	9.5	3.4	5.9	6.8
Chromium VI (Hexavalent)	mg/kg	ND (0.86)	0.15	ND (0.85)	0.33	0.27	ND (0.89)	0.29 J	0.53 J	ND (0.87)
Cobalt	mg/kg	--	--	--	--	--	1.9	1.2	1.9	2.1
Copper	mg/kg	--	--	--	--	--	5.3	2.7	6.4	5.0
Cyanide (total)	mg/kg	--	--	--	--	--	ND (0.22)	ND (0.21)	ND (0.23)	ND (0.22)
Iron	mg/kg	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	14.0	1.4	11.1	14.2
Manganese	mg/kg	--	--	--	--	--	140 J	91.9 J	215 J	126 J
Mercury	mg/kg	--	--	--	--	--	ND (0.11)	ND (0.10)	ND (0.11)	ND (0.11)
Nickel	mg/kg	6.1	23.6	5.3	6.0	6.2	6.7	3.7	7.3	6.3
Selenium	mg/kg	--	--	--	--	--	0.17 J	0.065 J	0.092 J	0.12 J
Silver	mg/kg	--	--	--	--	--	ND (0.56)	ND (0.51)	ND (0.57)	ND (0.54)
Thallium	mg/kg	--	--	--	--	--	ND (0.11)	ND (0.10)	0.025 J	ND (0.11)
Vanadium	mg/kg	--	--	--	--	--	11.7	3.8	7.7	10.1
Zinc	mg/kg	--	--	--	--	--	35.1	7.1	17.9	19.4
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	--
General Chemistry										
pH	s.u.	--	--	--	--	--	--	--	--	--
Total Solids	%	92.7	89.9	93.9	90.9	94.1	89.4	97.2	88.2	92.0

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*AOI 22*	*AOI 22*	*AOI 22*	*AOI 22*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-22-1S*	*MW-22-1S*	*MW-22-2D*	*MW-22-2D*	*MW-15D*	*MW-15D*	*MW-15S*	*MW-15S*	*MW-16D*	*MW-16S*	*MW-16S*
Depth:		*-*	*-*	*-*	*20-22 ft BGS*	*-*	*18.8-20.8 ft BGS*	*-*	*13.5-15.5 ft BGS*	*-*	*-*	*8-10 ft BGS*
Sample ID:		*GW-101602-MM-446*	*GW-030403-SP-878*	*GW-030403-SP-879*	*GW-101502-MM-432*	*GW-031203-DMD-1096*	*GW-031203-DMD-1096*	*GW-031203-DMD-1097*	*GW-031203-DMD-1097*	*GW-031103-SP-1112*	*GW-031103-SP-1111*	*GW-102202-MM-486*
Sample Date:		*10/16/2002*	*3/4/2003*	*3/4/2003*	*10/15/2002*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/11/2003*	*3/11/2003*	*10/22/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	0.019	ND (0.002)	ND (0.001)	0.00068 J
1,1,2,2-Tetrachloroethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	mg/L	--	0.00093	--	--	--	ND (0.001)	--	0.017	ND (0.002)	0.0045	0.0076
1,1-Dichloroethene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	0.0006	ND (0.002)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	--	ND (0.005)	--	--	--	ND (0.005)	--	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005) UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001) UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,2-Dichloropropane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	ND (0.025)	--	--	--	0.002	--	0.0019	0.0012	ND (0.025)	ND (0.025)
2-Hexanone	mg/L	--	ND (0.05)	--	--	--	ND (0.05)	--	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	0.00038	--	--	--	ND (0.05)	--	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.05)
Acetone	mg/L	--	0.0026	--	--	--	0.008	--	0.0093	0.071	0.0094	ND (0.025) UJ
Benzene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	0.00046 J
Bromodichloromethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Bromoform	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Carbon disulfide	mg/L	--	ND (0.005)	--	--	--	ND (0.005)	--	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)
Carbon tetrachloride	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Chlorobenzene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Chloroethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	0.0061	ND (0.002)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
cis-1,3-Dichloropropene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Cyclohexane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Dibromochloromethane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Ethylbenzene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	0.00091	ND (0.001)	ND (0.001)
Isopropylbenzene	mg/L	--	ND (0.005)	--	--	--	ND (0.005)	--	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)
Methyl acetate	mg/L	--	ND (0.01)	--	--	--	ND (0.01)	--	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)
Methyl cyclohexane	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001) UJ
Methyl Tert Butyl Ether	mg/L	--	ND (0.005)	--	--	--	ND (0.005)	--	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)
Methylene chloride	mg/L	--	ND (0.005)	--	--	--	ND (0.005)	--	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)
Styrene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Tetrachloroethene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Toluene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
trans-1,3-Dichloropropene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Trichloroethene	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Trichlorofluoromethane (CFC-11)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001) UJ
Trifluorotrichloroethane (Freon 113)	mg/L	--	ND (0.001)	--	--	--	ND (0.001)	--	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)
Vinyl chloride	mg/L	--	ND (0.001)	--	--	--	0.017	--	ND (0.001)	0.0048	ND (0.001)	ND (0.001)
Xylene (total)	mg/L	--	ND (0.003)	--	--	--	ND (0.003)	--	ND (0.003)	0.0043	0.00084	ND (0.003)
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.01)
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*AOI 22*	*AOI 22*	*AOI 22*	*AOI 22*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-22-1S*	*MW-22-1S*	*MW-22-2D*	*MW-22-2D*	*MW-15D*	*MW-15D*	*MW-15S*	*MW-15S*	*MW-16D*	*MW-16S*	*MW-16S*
Depth:		*-*	*-*	*-*	*20-22 ft BGS*	*-*	*18.8-20.8 ft BGS*	*-*	*13.5-15.5 ft BGS*	*-*	*-*	*8-10 ft BGS*
Sample ID:		*GW-101602-MM-446*	*GW-030403-SP-878*	*GW-030403-SP-879*	*GW-101502-MM-432*	*GW-031203-DMD-1096*	*GW-031203-DMD-1096*	*GW-031203-DMD-1097*	*GW-031203-DMD-1097*	*GW-031103-SP-1112*	*GW-031103-SP-1111*	*GW-102202-MM-486*
Sample Date:		*10/16/2002*	*3/4/2003*	*3/4/2003*	*10/15/2002*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/11/2003*	*3/11/2003*	*10/22/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.01)
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.01)
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.01)
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.01)
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.004)
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.02)
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	ND (0.005)

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*AOI 22*	*AOI 22*	*AOI 22*	*AOI 22*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-22-1S*	*MW-22-1S*	*MW-22-2D*	*MW-22-2D*	*MW-15D*	*MW-15D*	*MW-15S*	*MW-15S*	*MW-16D*	*MW-16S*	*MW-16S*
Depth:		*-*	*-*	*-*	*20-22 ft BGS*	*-*	*18.8-20.8 ft BGS*	*-*	*13.5-15.5 ft BGS*	*-*	*-*	*8-10 ft BGS*
Sample ID:		*GW-101602-MM-446*	*GW-030403-SP-878*	*GW-030403-SP-879*	*GW-101502-MM-432*	*GW-031203-DMD-1096*	*GW-031203-DMD-1096*	*GW-031203-DMD-1097*	*GW-031203-DMD-1097*	*GW-031103-SP-1112*	*GW-031103-SP-1111*	*GW-102202-MM-486*
Sample Date:		*10/16/2002*	*3/4/2003*	*3/4/2003*	*10/15/2002*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/11/2003*	*3/11/2003*	*10/22/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	ND (0.0020) U	--	--	ND (0.0020) U	--	--	--	--	--	--	ND (0.0020) U
Arsenic	mg/L	0.0058 J	--	--	ND (0.010) U	--	--	--	--	--	--	0.0021 J
Barium	mg/L	0.14	--	--	0.045 J	--	--	--	--	--	--	0.041 J
Beryllium	mg/L	ND (0.0010)	--	--	ND (0.0010)	--	--	--	--	--	--	ND (0.0010)
Cadmium	mg/L	0.00013 J	--	--	0.000086 J	--	--	--	--	--	--	0.00021 J
Chromium III (Trivalent)	mg/L	--	ND (0.020)	ND (0.020)	--	--	0.011	--	0.0082	0.0080	ND (0.020)	--
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050) U	--	0.011	--	0.0082	0.010	ND (0.0050)	0.0017 J
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	0.0061	ND (0.0050)	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	0.006	ND (0.02)	--	ND (0.02)	--	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Cobalt	mg/L	ND (0.0070) U	--	--	0.041 J	--	--	--	--	--	--	0.0020 J
Copper	mg/L	ND (0.025)	--	--	ND (0.025) U	--	--	--	--	--	--	ND (0.025)
Cyanide (total)	mg/L	0.0097 J	--	--	ND (0.010)	--	--	--	--	--	--	ND (0.010)
Iron	mg/L	--	--	--	--	--	--	--	--	0.078	0.080	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	ND (0.10)	ND (0.10)	--
Lead	mg/L	ND (0.0030)	--	--	ND (0.030)	--	--	--	--	--	--	ND (0.0030)
Manganese	mg/L	0.81	--	--	1.0	--	--	--	--	--	--	0.16
Mercury	mg/L	ND (0.00020) UJ	--	--	ND (0.00020)	--	--	--	--	--	--	ND (0.00020)
Nickel	mg/L	0.039	0.047	309	309	--	0.020	--	0.034	13.8	20.7	12.6
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	13.6	18.6	--
Selenium	mg/L	ND (0.0050)	--	--	ND (0.0050)	--	--	--	--	--	--	ND (0.0050)
Silver	mg/L	ND (0.00050)	--	--	ND (0.00050)	--	--	--	--	--	--	ND (0.00050) UJ
Thallium	mg/L	ND (0.0010)	--	--	ND (0.0010)	--	--	--	--	--	--	ND (0.0010)
Vanadium	mg/L	ND (0.0070) U	--	--	ND (0.0070) U	--	--	--	--	--	--	ND (0.0070)
Zinc	mg/L	ND (0.010) U	--	--	0.028	--	--	--	--	--	--	0.0058 J
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	0.35	6.1	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	783	623	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	4	6	--
Field Parameters												
Conductivity Field	µmhos/cm	--	0.001301	0.00372	--	0.00175	--	0.001315	--	0.00254	0.00191	--
Dissolved Oxygen	mg/L	--	0.30	0.14	--	0.13	--	0.46	--	0.27	0.13	--
Oxidation reduction potential	millivolts	--	-20	70	--	-79	--	-98	--	-404	-451	--
pH Field	s.u.	--	6.89	6.75	--	7.20	--	6.92	--	7.24	7.47	--
Temperature (Sample)	Deg C	--	4.62	12.38	--	13.32	--	8.99	--	7.25	6.81	--
Turbidity	NTU	--	3.17	4.65	--	12.31	--	2.51	--	4.88	4.82	--
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-16S*	*MW-17D*	*MW-17S*	*MW-21D*	*MW-21S*	*MW-22D*	*MW-22D*	*MW-22S*	*MW-22S*	*MW-23D*	*MW-23S*	
Depth:		*8-10 ft BGS*	-	-	-	-	-	*22.7-24.7 ft BGS*	-	*13.3-15.3 ft BGS*	-	-	
Sample ID:		*GW-102202-MM-487*	*GW-031303-SP-1159*	*GW-031303-SP-1158*	*GW-031103-DCR-1010*	*GW-031303-DMD-1100*	*GW-031203-DMD-1098*	*GW-031203-DMD-1098*	*GW-031203-DMD-1099*	*GW-031203-DMD-1099*	*GW-031303-DMD-1132*	*GW-031303-DMD-1133*	
Sample Date:		*10/22/2002*	*3/13/2003*	*3/13/2003*	*3/11/2003*	*3/13/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/13/2003*	*3/13/2003*	
Sample Type:		*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	
	Units												
Volatile Organic Compounds													
1,1,1-Trichloroethane	mg/L	0.00061 J	0.0014	0.033	0.00078	0.086	--	ND (0.001)	--	0.0027	0.0055	ND (0.001)	
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,1-Dichloroethane	mg/L	0.0074	0.0014	0.0017	ND (0.001)	0.0021	--	ND (0.001)	--	ND (0.001)	0.0089	0.005	
1,1-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	0.00049	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,2,4-Trichlorobenzene	mg/L	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)	--	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.005)	
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	ND (0.025)	ND (0.025)	0.0011	ND (0.1)	--	0.0037	--	0.0051	0.0038	ND (0.025)	
2-Hexanone	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.2)	--	ND (0.05)	--	ND (0.05)	ND (0.05)	ND (0.05)	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.2)	--	ND (0.05)	--	ND (0.05)	0.003	ND (0.05)	
Acetone	mg/L	ND (0.025) UJ	ND (0.025)	ND (0.025)	0.01	ND (0.1)	--	0.017	--	0.025	0.024	ND (0.025)	
Benzene	mg/L	0.00046 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	0.00041	ND (0.001)	
Bromodichloromethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Bromoform	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Carbon disulfide	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)	--	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.005)	
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Chlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Chloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Chloroform (Trichloromethane)	mg/L	ND (0.001)	0.0035	0.0011	0.00049	ND (0.004)	--	ND (0.001)	--	ND (0.001)	0.0037	ND (0.001)	
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
cis-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Cyclohexane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Dibromochloromethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Ethylbenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Isopropylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)	--	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.005)	
Methyl acetate	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.04)	--	ND (0.01)	--	ND (0.01)	ND (0.01)	ND (0.01)	
Methyl cyclohexane	mg/L	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)	--	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.005)	
Methylene chloride	mg/L	ND (0.005) U	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.02)	--	ND (0.005)	--	ND (0.005)	0.00056	ND (0.005)	
Styrene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Tetrachloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Toluene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Trichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Vinyl chloride	mg/L	ND (0.001)	0.0017	ND (0.001)	0.0075	ND (0.004)	--	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	
Xylene (total)	mg/L	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.012)	--	ND (0.003)	--	ND (0.003)	ND (0.003)	ND (0.003)	
Semi-volatile Organic Compounds													
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2,4,6-Trichlorophenol	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
2,4-Dichlorophenol	mg/L	ND (0.01)	--	--	--	--	--	--	--	--	--	--	
2,4-Dimethylphenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrophenol	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrotoluene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2-Chloronaphthalene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2-Chlorophenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2-Methylnaphthalene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2-Methylphenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
2-Nitroaniline	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
2-Nitrophenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
3,3'-Dichlorobenzidine	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
3-Nitroaniline	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-16S*	*MW-17D*	*MW-17S*	*MW-21D*	*MW-21S*	*MW-22D*	*MW-22D*	*MW-22S*	*MW-22S*	*MW-23D*	*MW-23S*	
Depth:		*8-10 ft BGS*	*-*	*-*	*-*	*-*	*-*	*22.7-24.7 ft BGS*	*-*	*13.3-15.3 ft BGS*	*-*	*-*	
Sample ID:		*GW-102202-MM-487*	*GW-031303-SP-1159*	*GW-031303-SP-1158*	*GW-031103-DCR-1010*	*GW-031303-DMD-1100*	*GW-031203-DMD-1098*	*GW-031203-DMD-1098*	*GW-031203-DMD-1099*	*GW-031203-DMD-1099*	*GW-031303-DMD-1132*	*GW-031303-DMD-1133*	
Sample Date:		*10/22/2002*	*3/13/2003*	*3/13/2003*	*3/11/2003*	*3/13/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/13/2003*	*3/13/2003*	
Sample Type:		*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	
	Units												
4,6-Dinitro-2-methylphenol	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
4-Bromophenyl phenyl ether	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-methylphenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
4-Chlorophenyl phenyl ether	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
4-Methylphenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
4-Nitroaniline	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
4-Nitrophenol	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
Acenaphthene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Acenaphthylene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Acetophenone	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Anthracene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Atrazine	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Benzaldehyde	mg/L	ND (0.01)	--	--	--	--	--	--	--	--	--	--	
Benzo(a)anthracene	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
Benzo(a)pyrene	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
Benzo(b)fluoranthene	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
Benzo(g,h,i)perylene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Benzo(k)fluoranthene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Biphenyl	mg/L	ND (0.01)	--	--	--	--	--	--	--	--	--	--	
bis(2-Chloroethoxy)methane	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
bis(2-Chloroethyl)ether	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Butyl benzylphthalate	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Caprolactam	mg/L	ND (0.01)	--	--	--	--	--	--	--	--	--	--	
Carbazole	mg/L	ND (0.01)	--	--	--	--	--	--	--	--	--	--	
Chrysene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Dibenz(a,h)anthracene	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
Dibenzofuran	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Diethyl phthalate	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Dimethyl phthalate	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Di-n-butylphthalate	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Di-n-octyl phthalate	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Fluoranthene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Fluorene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Hexachlorobenzene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Hexachlorobutadiene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Hexachlorocyclopentadiene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Hexachloroethane	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Indeno(1,2,3-cd)pyrene	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
Isophorone	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Nitrobenzene	mg/L	ND (0.004)	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodi-n-propylamine	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodiphenylamine	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	mg/L	ND (0.02)	--	--	--	--	--	--	--	--	--	--	
Phenanthrene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Phenol	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	
Pyrene	mg/L	ND (0.005)	--	--	--	--	--	--	--	--	--	--	

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-16S*	*MW-17D*	*MW-17S*	*MW-21D*	*MW-21S*	*MW-22D*	*MW-22D*	*MW-22S*	*MW-22S*	*MW-23D*	*MW-23S*	
Depth:		*8-10 ft BGS*	-	-	-	-	-	*22.7-24.7 ft BGS*	-	*13.3-15.3 ft BGS*	-	-	
Sample ID:		*GW-102202-MM-487*	*GW-031303-SP-1159*	*GW-031303-SP-1158*	*GW-031103-DCR-1010*	*GW-031303-DMD-1100*	*GW-031203-DMD-1098*	*GW-031203-DMD-1098*	*GW-031203-DMD-1099*	*GW-031203-DMD-1099*	*GW-031303-DMD-1132*	*GW-031303-DMD-1133*	
Sample Date:		*10/22/2002*	*3/13/2003*	*3/13/2003*	*3/11/2003*	*3/13/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/13/2003*	*3/13/2003*	
Sample Type:		*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	
	Units												
Metals													
Antimony	mg/L	ND (0.0020) U	--	--	--	--	--	--	--	--	--	--	
Arsenic	mg/L	ND (0.010)	--	--	--	--	--	--	--	--	--	--	
Barium	mg/L	0.039 J	--	--	--	--	--	--	--	--	--	--	
Beryllium	mg/L	ND (0.0010)	--	--	--	--	--	--	--	--	--	--	
Cadmium	mg/L	0.00022 J	--	--	--	--	--	--	--	--	--	--	
Chromium III (Trivalent)	mg/L	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	--	0.0064	--	0.018	ND (0.020)	ND (0.020)	
Chromium Total	mg/L	0.0018 J	41.6	5.8	53.3	0.27	--	0.0064	--	0.018	167	0.0034	
Chromium Total (Dissolved)	mg/L	--	--	--	--	0.26	--	--	--	--	143	ND (0.0050)	
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	48.8	5.9	65.4	0.27	--	ND (0.02)	--	ND (0.02)	191	ND (0.02)	
Cobalt	mg/L	0.0023 J	--	--	--	--	--	--	--	--	--	--	
Copper	mg/L	ND (0.025)	--	--	--	--	--	--	--	--	--	--	
Cyanide (total)	mg/L	ND (0.010)	--	--	--	--	--	--	--	--	--	--	
Iron	mg/L	--	--	--	--	0.044	--	--	--	--	ND (0.50)	0.56	
Iron (Dissolved)	mg/L	--	--	--	--	ND (0.10)	--	--	--	--	ND (0.50)	0.53	
Lead	mg/L	ND (0.0030)	--	--	--	--	--	--	--	--	--	--	
Manganese	mg/L	0.16	--	--	--	--	--	--	--	--	--	--	
Mercury	mg/L	ND (0.00020)	--	--	--	--	--	--	--	--	--	--	
Nickel	mg/L	12.2	1.3	98.3	0.51	0.60	--	0.0066	--	0.018	126	0.34	
Nickel (Dissolved)	mg/L	--	--	--	--	0.57	--	--	--	--	113	0.33	
Selenium	mg/L	ND (0.0050)	--	--	--	--	--	--	--	--	--	--	
Silver	mg/L	ND (0.00050) UJ	--	--	--	--	--	--	--	--	--	--	
Thallium	mg/L	ND (0.0010)	--	--	--	--	--	--	--	--	--	--	
Vanadium	mg/L	ND (0.0070)	--	--	--	--	--	--	--	--	--	--	
Zinc	mg/L	0.0063 J	--	--	--	--	--	--	--	--	--	--	
PCBs													
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--	--	
General Chemistry													
Nitrate (as N)	mg/L	--	--	--	--	1.8	--	--	--	--	0.26	0.030	
Sulfate	mg/L	--	--	--	--	164	--	--	--	--	1470	108	
Total Organic Carbon (TOC)	mg/L	--	--	--	--	15	--	--	--	--	18	5	
Field Parameters													
Conductivity Field	µmhos/cm	--	0.00208	0.00219	0.00189	0.001251	0.000206	--	0.000364	--	0.0042	0.000871	
Dissolved Oxygen	mg/L	--	0.16	1.84	0.06	0.71	0.75	--	4.51	--	0.38	0.30	
Oxidation reduction potential	millivolts	--	87	73	184	-184	-111	--	113	--	-10	124	
pH Field	s.u.	--	6.91	6.84	6.89	6.91	10.91	--	9.95	--	6.05	7.08	
Temperature (Sample)	Deg C	--	10.49	5.62	11.32	7.71	7.59	--	5.63	--	9.57	6.04	
Turbidity	NTU	--	2.1	4.89	4.8	2.62	4.89	--	18.8	--	1.02	0.59	
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--	
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--	
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--	
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--	
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--	
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--	
Porosity	none	--	--	--	--	--	--	--	--	--	--	--	
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--	
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--	

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-23S*	*MW-24D*	*MW-24D*	*MW-A1-3S*	*MW-A1-3S*	*MW-A1-4D*	*MW-A1-4D*	*MW-A1-4S*	*MW-A1-4S*	*MW-A1-5D*	*MW-A1-5D*
Depth:		*8-10 ft BGS*	-	-	-	*8-10 ft BGS*	-	-	-	-	-	-
Sample ID:		*GW-101002-MM-372*	*GW-030703-SP-1022*	*GW-030703-SP-1023*	*GW-031303-DMD-1134*	*GW-102202-MM-490*	*GW-011003-MM-653*	*GW-030303-SP-875*	*GW-011003-MM-652*	*GW-030303-SP-876*	*GW-031203-DMD-1093*	*GW-031203-DMD-1094*
Sample Date:		*10/10/2002*	*3/7/2003*	*3/7/2003*	*3/13/2003*	*10/22/2002*	*1/10/2003*	*3/3/2003*	*1/10/2003*	*3/3/2003*	*3/12/2003*	*3/12/2003*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	0.0028	ND (0.0012)	ND (0.0029)	0.14	0.059	ND (0.001)	ND (0.001)	0.0013	0.0016	--	--
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,1-Dichloroethane	mg/L	0.005	0.0069	0.0074	0.31	0.093	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,1-Dichloroethene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	0.0073	0.0039 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	ND (0.0062)	ND (0.014)	ND (0.062)	ND (0.02) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025) UJ	0.021	0.022	ND (0.31)	ND (0.1)	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025)	--	--
2-Hexanone	mg/L	ND (0.05) UJ	0.0016	ND (0.14)	ND (0.62)	ND (0.2)	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ	ND (0.05)	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	0.012	0.013	ND (0.62)	ND (0.2)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	--	--
Acetone	mg/L	ND (0.025) UJ	0.079	0.11	ND (0.31)	ND (0.1) UJ	ND (0.025) UJ	ND (0.025)	0.0011 J	ND (0.025)	--	--
Benzene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Bromodichloromethane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Bromoform	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004) U	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	--	--
Carbon disulfide	mg/L	ND (0.005)	ND (0.0062)	ND (0.014)	ND (0.062)	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--	--
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Chlorobenzene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Chloroethane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Chloroform (Trichloromethane)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
cis-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	0.005	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Cyclohexane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Dibromochloromethane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	--	--
Ethylbenzene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Isopropylbenzene	mg/L	ND (0.005)	ND (0.0062)	ND (0.014)	ND (0.062)	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--	--
Methyl acetate	mg/L	ND (0.01)	ND (0.012)	ND (0.029)	ND (0.12)	ND (0.04)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	--	--
Methyl cyclohexane	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.0062)	ND (0.014)	ND (0.062)	ND (0.02)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--	--
Methylene chloride	mg/L	ND (0.005)	ND (0.0062)	ND (0.014)	ND (0.062)	ND (0.02) U	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--	--
Styrene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Tetrachloroethene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Toluene	mg/L	ND (0.001)	0.0006	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Trichloroethene	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	0.021	0.0058	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	ND (0.004)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--
Vinyl chloride	mg/L	ND (0.001)	ND (0.0012)	ND (0.0029)	ND (0.012)	0.01	0.0072	0.0094	ND (0.001)	0.0013	--	--
Xylene (total)	mg/L	ND (0.003)	ND (0.0038)	ND (0.0086)	ND (0.038)	ND (0.012)	ND (0.003)	0.00069	ND (0.003)	ND (0.003)	--	--
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	ND (0.01)	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-23S*	*MW-24D*	*MW-24D*	*MW-A1-3S*	*MW-A1-3S*	*MW-A1-4D*	*MW-A1-4D*	*MW-A1-4S*	*MW-A1-4S*	*MW-A1-5D*	*MW-A1-5D*
Depth:		*8-10 ft BGS*	-	-	-	*8-10 ft BGS*	-	-	-	-	-	-
Sample ID:		*GW-101002-MM-372*	*GW-030703-SP-1022*	*GW-030703-SP-1023*	*GW-031303-DMD-1134*	*GW-102202-MM-490*	*GW-011003-MM-653*	*GW-030303-SP-875*	*GW-011003-MM-652*	*GW-030303-SP-876*	*GW-031203-DMD-1093*	*GW-031203-DMD-1094*
Sample Date:		*10/10/2002*	*3/7/2003*	*3/7/2003*	*3/13/2003*	*10/22/2002*	*1/10/2003*	*3/3/2003*	*1/10/2003*	*3/3/2003*	*3/12/2003*	*3/12/2003*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	ND (0.01)	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	ND (0.01)	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	ND (0.01)	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	ND (0.01)	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	ND (0.004)	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	ND (0.02)	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	ND (0.005)	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-23S*	*MW-24D*	*MW-24D*	*MW-A1-3S*	*MW-A1-3S*	*MW-A1-4D*	*MW-A1-4D*	*MW-A1-4S*	*MW-A1-4S*	*MW-A1-5D*	*MW-A1-5D*
Depth:		*8-10 ft BGS*	-	-	-	*8-10 ft BGS*	-	-	-	-	-	-
Sample ID:		*GW-101002-MM-372*	*GW-030703-SP-1022*	*GW-030703-SP-1023*	*GW-031303-DMD-1134*	*GW-102202-MM-490*	*GW-011003-MM-653*	*GW-030303-SP-875*	*GW-011003-MM-652*	*GW-030303-SP-876*	*GW-031203-DMD-1093*	*GW-031203-DMD-1094*
Sample Date:		*10/10/2002*	*3/7/2003*	*3/7/2003*	*3/13/2003*	*10/22/2002*	*1/10/2003*	*3/3/2003*	*1/10/2003*	*3/3/2003*	*3/12/2003*	*3/12/2003*
Sample Type:		*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE IA*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	ND (0.0020) U	--	--	--	ND (0.0020) U	ND (0.0020) U	--	ND (0.0020) U	--	--	--
Arsenic	mg/L	ND (0.010) U	--	--	--	ND (0.010)	ND (0.010)	--	ND (0.010)	--	--	--
Barium	mg/L	0.050 J	--	--	--	0.060 J	0.10	--	0.072 J	--	--	--
Beryllium	mg/L	ND (0.0010)	--	--	--	ND (0.0010)	ND (0.0010)	--	ND (0.0010)	--	--	--
Cadmium	mg/L	0.00028 J	--	--	--	ND (0.00050)	ND (0.00050)	--	ND (0.00050)	--	--	--
Chromium III (Trivalent)	mg/L	--	ND (0.020)	ND (0.020)	ND (0.020)	--	--	ND (0.020)	--	ND (0.020)	--	--
Chromium Total	mg/L	ND (0.0050) U	149	140	ND (0.0050)	ND (0.0050)	0.16	0.26	2.8	0.96	--	--
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	217	157	ND (0.02)	ND (0.02)	--	0.29	--	1.0	--	--
Cobalt	mg/L	0.00094 J	--	--	--	0.0028 J	ND (0.0070) U	--	ND (0.0070) U	--	--	--
Copper	mg/L	ND (0.025)	--	--	--	ND (0.025)	0.013	--	0.0098	--	--	--
Cyanide (total)	mg/L	ND (0.010)	--	--	--	ND (0.010)	ND (0.010)	--	ND (0.010)	--	--	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	ND (0.0030)	--	--	--	ND (0.0030)	ND (0.0030)	--	ND (0.0030)	--	--	--
Manganese	mg/L	0.59	--	--	--	0.17	0.17	--	0.19	--	--	--
Mercury	mg/L	ND (0.00020)	--	--	--	ND (0.00020)	ND (0.00020) U	--	ND (0.00020) U	--	--	--
Nickel	mg/L	0.12	626	579	1.3	3.6	0.021 J	0.038	0.019 J	0.019	--	--
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	ND (0.0050)	--	--	--	ND (0.0050)	0.0013 J	--	ND (0.0020)	--	--	--
Silver	mg/L	ND (0.00050) U	--	--	--	ND (0.00050) UJ	ND (0.00050)	--	ND (0.00050)	--	--	--
Thallium	mg/L	ND (0.0010)	--	--	--	ND (0.0010)	ND (0.0010)	--	ND (0.0010)	--	--	--
Vanadium	mg/L	ND (0.0070)	--	--	--	ND (0.0070)	0.0011 J	--	ND (0.0070)	--	--	--
Zinc	mg/L	ND (0.010) U	--	--	--	0.0048 J	0.013	--	0.0063 J	--	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Field Parameters												
Conductivity Field	µmhos/cm	--	0.00565	0.00565	0.00724	--	--	0.001739	--	0.001067	0.001485	0.001485
Dissolved Oxygen	mg/L	--	0.86	0.86	0.17	--	--	3.17	--	0.23	0.52	0.52
Oxidation reduction potential	millivolts	--	-144	-144	56	--	--	-114	--	99	-95	-95
pH Field	s.u.	--	7.22	7.22	7.03	--	--	10.31	--	6.97	7.32	7.32
Temperature (Sample)	Deg C	--	9.74	9.74	10.13	--	--	6.63	--	7.71	11.35	11.35
Turbidity	NTU	--	1.89	1.89	1.62	--	--	3.22	--	3.43	3.56	3.56
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5S*	*MW-A1-5S*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-7S*	*MW-A1-7S*	*MW-A1-7S*
Depth:		*22.4-24.4 ft BGS*	*22.4-24.4 ft BGS*	*-*	*16.2-18.2 ft BGS*	*-*	*-*	*14.6-16.6 ft BGS*	*-*	*-*	*-*
Sample ID:		*GW-031203-DMD-1093*	*GW-031203-DMD-1094*	*GW-031203-DMD-1095*	*GW-031203-DMD-1095*	*GW-031303-SP-1149*	*GW-031403-DRD-1135*	*GW-031403-DRD-1135*	*GW-031303-DRD-1153*	*GW-031303-DRD-1154*	*GW-031403-DRD-1139*
Sample Date:		*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*	*3/13/2003*	*3/14/2003*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	0.0029	0.0029	--
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,1-Dichloroethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	0.0036	--	--	0.0019	0.0021	--
1,1-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	ND (0.0084)	ND (0.0084)	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	ND (0.025)	--	ND (0.025)	0.002	--	--	0.0037	0.0038	--
2-Hexanone	mg/L	ND (0.05)	ND (0.05)	--	ND (0.05)	ND (0.05)	--	--	ND (0.084)	ND (0.084)	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	ND (0.05)	--	ND (0.05)	ND (0.05)	--	--	ND (0.084)	ND (0.084)	--
Acetone	mg/L	0.0017	0.0021	--	0.002	0.0082	--	--	0.015	0.017	--
Benzene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Bromodichloromethane	mg/L	ND (0.001)	ND (0.001)	--	0.00048	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Bromoform	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Carbon disulfide	mg/L	0.00032	0.00031	--	0.00028	ND (0.005)	--	--	ND (0.0084)	ND (0.0084)	--
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Chlorobenzene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Chloroethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	0.0021	--	--	0.039	0.039	--
Chloroform (Trichloromethane)	mg/L	0.00063	0.00058	--	0.0009	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
cis-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	0.0015	0.0016	--
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Cyclohexane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Dibromochloromethane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Ethylbenzene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Isopropylbenzene	mg/L	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	ND (0.0084)	ND (0.0084)	--
Methyl acetate	mg/L	ND (0.01)	ND (0.01)	--	ND (0.01)	ND (0.01)	--	--	ND (0.017)	ND (0.017)	--
Methyl cyclohexane	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	ND (0.0084)	ND (0.0084)	--
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	ND (0.0084)	ND (0.0084)	--
Styrene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Tetrachloroethene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Toluene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Trichloroethene	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	0.00042	--	--	ND (0.0017)	ND (0.0017)	--
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	ND (0.0017)	ND (0.0017)	--
Vinyl chloride	mg/L	ND (0.001)	ND (0.001)	--	ND (0.001)	0.0069	--	--	0.0012	0.001	--
Xylene (total)	mg/L	ND (0.003)	ND (0.003)	--	ND (0.003)	ND (0.003)	--	--	ND (0.005)	ND (0.005)	--
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
2,4-Dichlorophenol	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.04)	ND (0.04)	--
2,4-Dimethylphenol	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2,4-Dinitrophenol	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2-Chloronaphthalene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2-Chlorophenol	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2-Methylnaphthalene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
2-Nitrophenol	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
3-Nitroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5S*	*MW-A1-5S*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-7S*	*MW-A1-7S*	*MW-A1-7S*
Depth:		*22.4-24.4 ft BGS*	*22.4-24.4 ft BGS*	*-*	*16.2-18.2 ft BGS*	*-*	*-*	*14.6-16.6 ft BGS*	*-*	*-*	*-*
Sample ID:		*GW-031203-DMD-1093*	*GW-031203-DMD-1094*	*GW-031203-DMD-1095*	*GW-031203-DMD-1095*	*GW-031303-SP-1149*	*GW-031403-DRD-1135*	*GW-031403-DRD-1135*	*GW-031303-DRD-1153*	*GW-031303-DRD-1154*	*GW-031403-DRD-1139*
Sample Date:		*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*	*3/13/2003*	*3/14/2003*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
4-Chloroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
4-Nitrophenol	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
Acenaphthene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Acenaphthylene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Acetophenone	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Anthracene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Atrazine	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Benzaldehyde	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.04)	ND (0.04)	--
Benzo(a)anthracene	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
Benzo(a)pyrene	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Biphenyl	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.04)	ND (0.04)	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Butyl benzylphthalate	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Caprolactam	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.04)	ND (0.04)	--
Carbazole	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.04)	ND (0.04)	--
Chrysene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
Dibenzofuran	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Diethyl phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Dimethyl phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Di-n-butylphthalate	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Di-n-octyl phthalate	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Fluoranthene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Fluorene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Hexachlorobenzene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Hexachlorobutadiene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Hexachloroethane	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
Isophorone	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Methylphenol (Cresol)	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.04)	ND (0.04)	--
Naphthalene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Nitrobenzene	mg/L	--	--	--	--	ND (0.004)	--	--	ND (0.016)	ND (0.016)	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Pentachlorophenol	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.08)	ND (0.08)	--
Phenanthrene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Phenol	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--
Pyrene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.02)	ND (0.02)	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-5D*	*MW-A1-5D*	*MW-A1-5S*	*MW-A1-5S*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-6S*	*MW-A1-7S*	*MW-A1-7S*	*MW-A1-7S*
Depth:		*22.4-24.4 ft BGS*	*22.4-24.4 ft BGS*	*-*	*16.2-18.2 ft BGS*	*-*	*-*	*14.6-16.6 ft BGS*	*-*	*-*	*-*
Sample ID:		*GW-031203-DMD-1093*	*GW-031203-DMD-1094*	*GW-031203-DMD-1095*	*GW-031203-DMD-1095*	*GW-031303-SP-1149*	*GW-031403-DRD-1135*	*GW-031403-DRD-1135*	*GW-031303-DRD-1153*	*GW-031303-DRD-1154*	*GW-031403-DRD-1139*
Sample Date:		*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*	*3/13/2003*	*3/14/2003*
Sample Type:		*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Metals											
Antimony	mg/L	--	--	--	--	0.00074	--	--	0.00076	0.00075	--
Arsenic	mg/L	--	--	--	--	ND (0.010)	--	--	ND (0.010)	ND (0.010)	--
Barium	mg/L	--	--	--	--	0.22	--	--	0.12	0.11	--
Beryllium	mg/L	--	--	--	--	ND (0.0010)	--	--	ND (0.0010)	ND (0.0010)	--
Cadmium	mg/L	--	--	--	--	ND (0.00050)	--	--	ND (0.00050)	ND (0.00050)	--
Chromium III (Trivalent)	mg/L	ND (0.020)	ND (0.020)	--	0.11	0.0052	--	--	ND (0.020)	ND (0.020)	--
Chromium Total	mg/L	1.8	1.7	--	2.4	0.0052	--	--	0.0024	ND (0.0050)	--
Chromium Total (Dissolved)	mg/L	1.8	1.8	--	2.2	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	2.0	2.0	--	2.3	ND (0.02)	--	--	0.009	ND (0.02)	--
Cobalt	mg/L	--	--	--	--	0.00097	--	--	0.0014	0.00080	--
Copper	mg/L	--	--	--	--	0.00053	--	--	0.0016	0.0012	--
Cyanide (total)	mg/L	--	--	--	--	ND (0.010)	--	--	0.0027	ND (0.010)	--
Iron	mg/L	ND (0.10)	0.043	--	ND (0.10)	--	--	--	--	--	--
Iron (Dissolved)	mg/L	ND (0.10)	ND (0.10)	--	ND (0.10)	--	--	--	--	--	--
Lead	mg/L	--	--	--	--	ND (0.0030)	--	--	ND (0.0030)	ND (0.0030)	--
Manganese	mg/L	--	--	--	--	0.20	--	--	0.49	0.44	--
Mercury	mg/L	--	--	--	--	ND (0.00020)	--	--	ND (0.00020)	0.00011	--
Nickel	mg/L	0.020	0.020	--	0.025	0.0040	--	--	0.012	0.011	--
Nickel (Dissolved)	mg/L	0.020	0.021	--	0.020	--	--	--	--	--	--
Selenium	mg/L	--	--	--	--	0.00079	--	--	0.0016	0.0017	--
Silver	mg/L	--	--	--	--	ND (0.00050)	--	--	ND (0.00050)	ND (0.00050)	--
Thallium	mg/L	--	--	--	--	ND (0.0010)	--	--	ND (0.0010)	ND (0.0010)	--
Vanadium	mg/L	--	--	--	--	ND (0.0070)	--	--	ND (0.0070)	ND (0.0070)	--
Zinc	mg/L	--	--	--	--	0.0089	--	--	0.0060	0.0074	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	ND (0.0002)	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	ND (0.0002)	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	ND (0.0004)	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	ND (0.0002)	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	ND (0.0002)	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	ND (0.0002)	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	ND (0.0002)	--	--	--
General Chemistry											
Nitrate (as N)	mg/L	1.9	2.0	--	1.0	--	--	--	--	--	--
Sulfate	mg/L	115	116	--	95.2	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	2	ND (1)	--	3	--	--	--	--	--	--
Field Parameters											
Conductivity Field	µmhos/cm	--	--	0.001467	--	0.001234	0.0018	--	0.00173	0.00173	0.00161
Dissolved Oxygen	mg/L	--	--	3.68	--	0.6	0.28	--	0.32	0.32	0.06
Oxidation reduction potential	millivolts	--	--	50	--	-62	-278	--	-69	-69	-453
pH Field	s.u.	--	--	7.36	--	7.00	6.95	--	7.23	7.23	7.16
Temperature (Sample)	Deg C	--	--	10.57	--	6.90	5.48	--	9.04	9.04	6.51
Turbidity	NTU	--	--	1.65	--	3.77	2.5	--	4.6	4.6	2.44
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-7S*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8S*	*MW-A1-8S*	*MW-A1-8S*	*MW-A1-9D*	*MW-A1-9D*	*MW-A1-9D*	*MW-A1-9S*
Depth:		*14.6-16.6 ft BGS*	*-*	*-*	*25.9-27.9 ft BGS*	*-*	*-*	*17.6-19.6 ft BGS*	*-*	*-*	*25.2-27.2 ft BGS*	*-*
Sample ID:		*GW-031403-DRD-1139*	*GW-031003-SP-1028*	*GW-031203-DCR-1104*	*GW-031203-DCR-1104*	*GW-031003-SP-1027*	*GW-031203-DCR-1103*	*GW-031203-DCR-1103*	*GW-031003-SP-1026*	*GW-031203-DCR-1101*	*GW-031203-DCR-1101*	*GW-031003-SP-1025*
Sample Date:		*3/14/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	0.00086	--	--	0.038
1,1,2,2-Tetrachloroethane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,1,2-Trichloroethane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,1-Dichloroethane	mg/L	--	ND (0.001)	--	--	0.00046	--	--	0.00047	--	--	0.0079
1,1-Dichloroethene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	0.00078
1,2,4-Trichlorobenzene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,2-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,2-Dichloroethane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,2-Dichloropropane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,3-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
1,4-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	ND (0.025)	--	--	ND (0.025)	--	--	ND (0.025)	--	--	0.00084
2-Hexanone	mg/L	--	ND (0.05)	--	--	ND (0.05)	--	--	ND (0.05)	--	--	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	0.00029	--	--	0.00037	--	--	ND (0.05)	--	--	ND (0.05)
Acetone	mg/L	--	0.0013	--	--	0.0025	--	--	ND (0.025)	--	--	0.0022
Benzene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Bromodichloromethane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Bromoform	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Carbon disulfide	mg/L	--	ND (0.005)	--	--	0.00061	--	--	ND (0.005)	--	--	ND (0.005)
Carbon tetrachloride	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Chlorobenzene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Chloroethane	mg/L	--	ND (0.001)	--	--	0.0052	--	--	ND (0.001)	--	--	ND (0.001)
Chloroform (Trichloromethane)	mg/L	--	ND (0.001)	--	--	0.00052	--	--	ND (0.001)	--	--	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
cis-1,2-Dichloroethene	mg/L	--	ND (0.001)	--	--	0.00042	--	--	ND (0.001)	--	--	ND (0.001)
cis-1,3-Dichloropropene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Cyclohexane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Dibromochloromethane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Ethylbenzene	mg/L	--	ND (0.001)	--	--	0.0099	--	--	ND (0.001)	--	--	ND (0.001)
Isopropylbenzene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Methyl acetate	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
Methyl cyclohexane	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Methyl Tert Butyl Ether	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Methylene chloride	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Styrene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Tetrachloroethene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	0.00049
Toluene	mg/L	--	0.00065	--	--	0.00047	--	--	0.00064	--	--	0.00095
trans-1,2-Dichloroethene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
trans-1,3-Dichloropropene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Trichloroethene	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	0.0005
Trichlorofluoromethane (CFC-11)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Trifluorotrichloroethane (Freon 113)	mg/L	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)	--	--	ND (0.001)
Vinyl chloride	mg/L	--	0.0017	--	--	0.00038	--	--	ND (0.001)	--	--	0.0035
Xylene (total)	mg/L	--	0.00082	--	--	0.00066	--	--	0.00098	--	--	0.00098
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2,4,5-Trichlorophenol	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2,4,6-Trichlorophenol	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
2,4-Dichlorophenol	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
2,4-Dimethylphenol	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2,4-Dinitrophenol	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
2,4-Dinitrotoluene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2,6-Dinitrotoluene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2-Chloronaphthalene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2-Chlorophenol	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2-Methylnaphthalene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
2-Nitrophenol	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
3,3'-Dichlorobenzidine	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
3-Nitroaniline	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-7S*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8S*	*MW-A1-8S*	*MW-A1-8S*	*MW-A1-9D*	*MW-A1-9D*	*MW-A1-9D*	*MW-A1-9S*
Depth:		*14.6-16.6 ft BGS*	*-*	*-*	*25.9-27.9 ft BGS*	*-*	*-*	*17.6-19.6 ft BGS*	*-*	*-*	*25.2-27.2 ft BGS*	*-*
Sample ID:		*GW-031403-DRD-1139*	*GW-031003-SP-1028*	*GW-031203-DCR-1104*	*GW-031203-DCR-1104*	*GW-031003-SP-1027*	*GW-031203-DCR-1103*	*GW-031203-DCR-1103*	*GW-031003-SP-1026*	*GW-031203-DCR-1101*	*GW-031203-DCR-1101*	*GW-031003-SP-1025*
Sample Date:		*3/14/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
4-Bromophenyl phenyl ether	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
4-Chloro-3-methylphenol	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
4-Chloroaniline	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
4-Chlorophenyl phenyl ether	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
4-Nitrophenol	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
Acenaphthene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Acenaphthylene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Acetophenone	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Anthracene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Atrazine	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Benzaldehyde	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
Benzo(a)anthracene	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
Benzo(a)pyrene	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
Benzo(b)fluoranthene	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
Benzo(g,h,i)perylene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Benzo(k)fluoranthene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Biphenyl	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
bis(2-Chloroethoxy)methane	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
bis(2-Chloroethyl)ether	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
bis(2-Ethylhexyl)phthalate	mg/L	--	0.0056	--	--	0.0058	--	--	ND (0.005)	--	--	ND (0.005)
Butyl benzylphthalate	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Caprolactam	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
Carbazole	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
Chrysene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Dibenz(a,h)anthracene	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
Dibenzofuran	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Diethyl phthalate	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Dimethyl phthalate	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Di-n-butylphthalate	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Di-n-octyl phthalate	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Fluoranthene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Fluorene	mg/L	--	ND (0.005)	--	--	0.002	--	--	ND (0.005)	--	--	ND (0.005)
Hexachlorobenzene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Hexachlorobutadiene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Hexachlorocyclopentadiene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Hexachloroethane	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Indeno(1,2,3-cd)pyrene	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
Isophorone	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Methylphenol (Cresol)	mg/L	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)	--	--	ND (0.01)
Naphthalene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Nitrobenzene	mg/L	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)	--	--	ND (0.004)
N-Nitrosodi-n-propylamine	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
N-Nitrosodiphenylamine	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Pentachlorophenol	mg/L	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
Phenanthrene	mg/L	--	ND (0.005)	--	--	0.00089	--	--	ND (0.005)	--	--	ND (0.005)
Phenol	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)
Pyrene	mg/L	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)	--	--	ND (0.005)

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-7S*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8D*	*MW-A1-8S*	*MW-A1-8S*	*MW-A1-8S*	*MW-A1-9D*	*MW-A1-9D*	*MW-A1-9D*	*MW-A1-9S*
Depth:		*14.6-16.6 ft BGS*	*-*	*-*	*25.9-27.9 ft BGS*	*-*	*-*	*17.6-19.6 ft BGS*	*-*	*-*	*25.2-27.2 ft BGS*	*-*
Sample ID:		*GW-031403-DRD-1139*	*GW-031003-SP-1028*	*GW-031203-DCR-1104*	*GW-031203-DCR-1104*	*GW-031003-SP-1027*	*GW-031203-DCR-1103*	*GW-031203-DCR-1103*	*GW-031003-SP-1026*	*GW-031203-DCR-1101*	*GW-031203-DCR-1101*	*GW-031003-SP-1025*
Sample Date:		*3/14/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*	*3/12/2003*	*3/12/2003*	*3/10/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	--	0.00016	--	--	0.00077	--	--	0.00018	--	--	ND (0.0020)
Arsenic	mg/L	--	0.0042	--	--	0.0035	--	--	ND (0.010)	--	--	ND (0.010)
Barium	mg/L	--	0.087	--	--	0.041	--	--	0.24	--	--	0.080
Beryllium	mg/L	--	ND (0.0010)	--	--	ND (0.0010)	--	--	ND (0.0010)	--	--	ND (0.0010)
Cadmium	mg/L	--	ND (0.00050)	--	--	ND (0.00050)	--	--	ND (0.00050)	--	--	0.000081
Chromium III (Trivalent)	mg/L	--	ND (0.020)	--	--	ND (0.020)	--	--	ND (0.020)	--	--	ND (0.020)
Chromium Total	mg/L	--	ND (0.0050)	--	--	ND (0.0050)	--	--	ND (0.0050)	--	--	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	--	0.009	--	--	ND (0.02)	--	--	ND (0.02)	--	--	ND (0.02)
Cobalt	mg/L	--	0.0038	--	--	0.0017	--	--	ND (0.0070)	--	--	0.0022
Copper	mg/L	--	0.00093	--	--	0.00060	--	--	0.00084	--	--	0.0019
Cyanide (total)	mg/L	--	--	--	0.0057	--	--	0.0047	--	--	ND (0.010)	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	ND (0.0030)	--	--	ND (0.0030)	--	--	ND (0.0030)	--	--	ND (0.0030)
Manganese	mg/L	--	0.25	--	--	0.073	--	--	0.19	--	--	0.22
Mercury	mg/L	--	ND (0.00020)	--	--	ND (0.00020)	--	--	0.00010	--	--	0.00013
Nickel	mg/L	--	17.9	--	--	0.0095	--	--	0.0072	--	--	0.012
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	0.0011	--	--	0.0026	--	--	0.0059	--	--	0.0060
Silver	mg/L	--	ND (0.00050)	--	--	ND (0.00050)	--	--	ND (0.00050)	--	--	ND (0.00050)
Thallium	mg/L	--	ND (0.0010)	--	--	ND (0.0010)	--	--	ND (0.0010)	--	--	ND (0.0010)
Vanadium	mg/L	--	0.00076	--	--	0.0032	--	--	ND (0.0070)	--	--	ND (0.0070)
Zinc	mg/L	--	1.7	--	--	0.024	--	--	0.029	--	--	0.0075
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--
Aroclor-1221 (PCB-1221)	mg/L	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--
Aroclor-1232 (PCB-1232)	mg/L	ND (0.0004)	--	--	ND (0.0004)	--	--	ND (0.0004)	--	--	ND (0.0004)	--
Aroclor-1242 (PCB-1242)	mg/L	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--
Aroclor-1248 (PCB-1248)	mg/L	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--
Aroclor-1254 (PCB-1254)	mg/L	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--
Aroclor-1260 (PCB-1260)	mg/L	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--	--	ND (0.0002)	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Field Parameters												
Conductivity Field	µmhos/cm	--	0.00205	0.00274	--	0.001086	0.0012	--	0.001443	0.00152	--	0.00177
Dissolved Oxygen	mg/L	--	0.13	0.97	--	0.12	0.19	--	0.20	0.45	--	0.26
Oxidation reduction potential	millivolts	--	-426	-161	--	-187	-64	--	-190	10	--	-144
pH Field	s.u.	--	7.16	6.81	--	7.94	7.23	--	7.35	7.05	--	7.07
Temperature (Sample)	Deg C	--	9.56	12.51	--	7.82	8.14	--	3.10	9.98	--	4.91
Turbidity	NTU	--	4.32	4.1	--	2.61	4.2	--	4.38	3.3	--	3.2
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-9S*	*MW-A1-9S*	*MW-A1-9S*	*MW-A1-10D*	*MW-A1-10S*	*MW-A1-11D*	*MW-A1-11S*	*MW-A1-12D*	*MW-A1-13S*	*MW-A1-14D*	*MW-A1-14D*
Depth:		-	-	*18.9-20.9 ft BGS*	-	-	-	-	-	-	-	*22-24 ft BGS*
Sample ID:		*GW-031203-DCR-1102*	*GW-031303-DCR-1105*	*GW-031203-DCR-1102*	*GW-031103-DMD-1091*	*GW-031103-DMD-1092*	*GW-031103-SP-1119*	*GW-031103-SP-1118*	*GW-031303-DMD-1131*	*GW-031303-DRD-1152*	*GW-031203-DRD-1141*	*GW-031203-DRD-1141*
Sample Date:		*3/12/2003*	*3/13/2003*	*3/12/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/13/2003*	*3/13/2003*	*3/12/2003*	*3/12/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	--	--	--	--	--	--	--	0.0034	0.013	--	ND (0.001)
1,1,2,2-Tetrachloroethane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,1,2-Trichloroethane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,1-Dichloroethane	mg/L	--	--	--	--	--	--	--	0.0072	0.0025	--	ND (0.001)
1,1-Dichloroethene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	--	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,2-Dichlorobenzene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,2-Dichloroethane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,2-Dichloropropane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,3-Dichlorobenzene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
1,4-Dichlorobenzene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	--	--	--	--	--	--	0.00059	0.0016	--	ND (0.025)
2-Hexanone	mg/L	--	--	--	--	--	--	--	ND (0.05)	ND (0.05)	--	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	--	--	--	--	--	--	ND (0.05)	ND (0.05)	--	ND (0.05)
Acetone	mg/L	--	--	--	--	--	--	--	ND (0.025)	0.0068	--	0.0014
Benzene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Bromodichloromethane	mg/L	--	--	--	--	--	--	--	ND (0.001)	0.00041	--	ND (0.001)
Bromoform	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Carbon disulfide	mg/L	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	--	ND (0.005)
Carbon tetrachloride	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Chlorobenzene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Chloroethane	mg/L	--	--	--	--	--	--	--	0.00043	ND (0.001)	--	ND (0.001)
Chloroform (Trichloromethane)	mg/L	--	--	--	--	--	--	--	0.00061	0.0087	--	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
cis-1,2-Dichloroethene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
cis-1,3-Dichloropropene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Cyclohexane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Dibromochloromethane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Ethylbenzene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Isopropylbenzene	mg/L	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	--	ND (0.005)
Methyl acetate	mg/L	--	--	--	--	--	--	--	ND (0.01)	ND (0.01)	--	ND (0.01)
Methyl cyclohexane	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Methyl Tert Butyl Ether	mg/L	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	--	ND (0.005)
Methylene chloride	mg/L	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	--	ND (0.005)
Styrene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Tetrachloroethene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Toluene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	0.00047
trans-1,2-Dichloroethene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
trans-1,3-Dichloropropene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Trichloroethene	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Trichlorofluoromethane (CFC-11)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Trifluorotrichloroethane (Freon 113)	mg/L	--	--	--	--	--	--	--	ND (0.001)	ND (0.001)	--	ND (0.001)
Vinyl chloride	mg/L	--	--	--	--	--	--	--	ND (0.001)	0.001	--	0.0016
Xylene (total)	mg/L	--	--	--	--	--	--	--	ND (0.003)	ND (0.003)	--	ND (0.003)
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-9S*	*MW-A1-9S*	*MW-A1-9S*	*MW-A1-10D*	*MW-A1-10S*	*MW-A1-11D*	*MW-A1-11S*	*MW-A1-12D*	*MW-A1-13S*	*MW-A1-14D*	*MW-A1-14D*
Depth:		*-*	*-*	*18.9-20.9 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*22-24 ft BGS*
Sample ID:		*GW-031203-DCR-1102*	*GW-031303-DCR-1105*	*GW-031203-DCR-1102*	*GW-031103-DMD-1091*	*GW-031103-DMD-1092*	*GW-031103-SP-1119*	*GW-031103-SP-1118*	*GW-031303-DMD-1131*	*GW-031303-DRD-1152*	*GW-031203-DRD-1141*	*GW-031203-DRD-1141*
Sample Date:		*3/12/2003*	*3/13/2003*	*3/12/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/13/2003*	*3/13/2003*	*3/12/2003*	*3/12/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-9S*	*MW-A1-9S*	*MW-A1-9S*	*MW-A1-10D*	*MW-A1-10S*	*MW-A1-11D*	*MW-A1-11S*	*MW-A1-12D*	*MW-A1-13S*	*MW-A1-14D*	*MW-A1-14D*
Depth:		-	-	*18.9-20.9 ft BGS*	-	-	-	-	-	-	-	*22-24 ft BGS*
Sample ID:		*GW-031203-DCR-1102*	*GW-031303-DCR-1105*	*GW-031203-DCR-1102*	*GW-031103-DMD-1091*	*GW-031103-DMD-1092*	*GW-031103-SP-1119*	*GW-031103-SP-1118*	*GW-031303-DMD-1131*	*GW-031303-DRD-1152*	*GW-031203-DRD-1141*	*GW-031203-DRD-1141*
Sample Date:		*3/12/2003*	*3/13/2003*	*3/12/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/11/2003*	*3/13/2003*	*3/13/2003*	*3/12/2003*	*3/12/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	--	--	--	--	--	--	--	--	0.00030	--	--
Arsenic	mg/L	--	--	--	--	--	--	--	--	ND (0.010)	--	--
Barium	mg/L	--	--	--	--	--	--	--	--	0.045	--	--
Beryllium	mg/L	--	--	--	--	--	--	--	--	ND (0.0010)	--	--
Cadmium	mg/L	--	--	--	--	--	--	--	--	0.00010	--	--
Chromium III (Trivalent)	mg/L	--	--	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.65	ND (0.020)	--	ND (0.020)
Chromium Total	mg/L	--	--	--	ND (0.0050)	ND (0.0050)	0.0036	ND (0.0050)	2.1	42.5	--	0.0019
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	1.5	44.0	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	1.5	46.9	--	ND (0.02)
Cobalt	mg/L	--	--	--	--	--	--	--	--	0.0085	--	--
Copper	mg/L	--	--	--	--	--	--	--	--	0.0035	--	--
Cyanide (total)	mg/L	--	--	0.0068	--	--	--	--	--	ND (0.010)	--	--
Iron	mg/L	--	--	--	--	--	--	--	2.6	ND (0.10)	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	0.75	ND (0.10)	--	--
Lead	mg/L	--	--	--	--	--	--	--	--	ND (0.0030)	--	--
Manganese	mg/L	--	--	--	--	--	--	--	--	0.74	--	--
Mercury	mg/L	--	--	--	--	--	--	--	--	ND (0.00020)	--	--
Nickel	mg/L	--	--	--	0.014	0.0096	589	0.27	28.8	38.3	--	0.011
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	29.1	39.6	--	--
Selenium	mg/L	--	--	--	--	--	--	--	--	0.0013	--	--
Silver	mg/L	--	--	--	--	--	--	--	--	ND (0.00050)	--	--
Thallium	mg/L	--	--	--	--	--	--	--	--	ND (0.0010)	--	--
Vanadium	mg/L	--	--	--	--	--	--	--	--	0.00068	--	--
Zinc	mg/L	--	--	--	--	--	--	--	--	0.026	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	ND (0.0002)	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	ND (0.0002)	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	ND (0.0004)	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	ND (0.0002)	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	ND (0.0002)	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	ND (0.0002)	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	ND (0.0002)	--	--	--	--	--	--	--	--	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	0.70	0.19	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	1040	1030	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	7	9	--	--
Field Parameters												
Conductivity Field	µmhos/cm	0.00186	0.002	--	0.00159	0.001257	0.0052	0.001168	0.00283	0.00305	0.00153	--
Dissolved Oxygen	mg/L	0.25	0.41	--	0.20	0.24	0.33	0.64	0.74	1.44	0.15	--
Oxidation reduction potential	millivolts	118	-173	--	-387	-105	-220	-142	-295	33	-187	--
pH Field	s.u.	6.86	6.01	--	7.01	6.89	6.61	7.32	6.41	6.90	7.11	--
Temperature (Sample)	Deg C	9.84	8.78	--	13.21	10.97	9.94	8.56	11.37	9.23	10.71	--
Turbidity	NTU	3.1	0.9	--	3.12	0.68	4.93	3.64	1.63	2.1	13.8	--
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-14S*	*MW-A1-14S*	*MW-A1-14S*	*MW-A1-14S*	*OW-21*	*OW-22*	*OW-22*	*OW-23*	*OW-23*	*OW-24*	*OW-24*
Depth:		*-*	*-*	*15.5-17.5 ft BGS*	*16-18 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Sample ID:		*GW-031203-DRD-1070*	*GW-031203-DRD-1142*	*GW-031203-DRD-1142*	*GW-031203-DRD-1070*	*GW-030503-SP-947*	*GW-030503-SP-946*	*GW-031303-DRD-1143*	*GW-030503-SP-948*	*GW-031303-DRD-1144*	*GW-030503-SP-949*	*GW-031303-DRD-1151*
Sample Date:		*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/5/2003*	*3/5/2003*	*3/13/2003*	*3/5/2003*	*3/13/2003*	*3/5/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	0.0014	--	0.0018	--
1,1,2,2-Tetrachloroethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,1,2-Trichloroethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,1-Dichloroethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	0.0013	--	0.001	--
1,1-Dichloroethene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,2,4-Trichlorobenzene	mg/L	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	ND (0.005)	--	ND (0.0084)	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,2-Dichlorobenzene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,2-Dichloroethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,2-Dichloropropane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,3-Dichlorobenzene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
1,4-Dichlorobenzene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	--	--	ND (0.025)	ND (0.025)	0.0023	--	0.0054	--	0.0023	--
2-Hexanone	mg/L	--	--	--	ND (0.05)	ND (0.05)	ND (0.05)	--	ND (0.05)	--	ND (0.084)	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	--	--	ND (0.05)	ND (0.05)	0.00049	--	0.0011	--	0.001	--
Acetone	mg/L	--	--	--	0.0012	ND (0.025)	0.025	--	0.045	--	0.023	--
Benzene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	0.0021	--
Bromodichloromethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Bromoform	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Bromomethane (Methyl Bromide)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Carbon disulfide	mg/L	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	ND (0.005)	--	0.00044	--
Carbon tetrachloride	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Chlorobenzene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Chloroethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Chloroform (Trichloromethane)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	0.0027	--	0.047	--
Chloromethane (Methyl Chloride)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
cis-1,2-Dichloroethene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
cis-1,3-Dichloropropene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Cyclohexane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Dibromochloromethane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Dichlorodifluoromethane (CFC-12)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Ethylbenzene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Isopropylbenzene	mg/L	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	ND (0.005)	--	ND (0.0084)	--
Methyl acetate	mg/L	--	--	--	ND (0.01)	ND (0.01)	ND (0.01)	--	ND (0.01)	--	ND (0.017)	--
Methyl cyclohexane	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Methyl Tert Butyl Ether	mg/L	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	ND (0.005)	--	ND (0.0084)	--
Methylene chloride	mg/L	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	0.0005	--	0.0012	--
Styrene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Tetrachloroethene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Toluene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	0.00086	--
trans-1,2-Dichloroethene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
trans-1,3-Dichloropropene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Trichloroethene	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Trichlorofluoromethane (CFC-11)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Trifluorotrichloroethane (Freon 113)	mg/L	--	--	--	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	--	ND (0.0017)	--
Vinyl chloride	mg/L	--	--	--	ND (0.001)	ND (0.001)	0.00076	--	0.0028	--	0.00089	--
Xylene (total)	mg/L	--	--	--	ND (0.003)	ND (0.003)	ND (0.003)	--	ND (0.003)	--	0.0017	--
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-14S*	*MW-A1-14S*	*MW-A1-14S*	*MW-A1-14S*	*OW-21*	*OW-22*	*OW-22*	*OW-23*	*OW-23*	*OW-24*	*OW-24*
Depth:		*-*	*-*	*15.5-17.5 ft BGS*	*16-18 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Sample ID:		*GW-031203-DRD-1070*	*GW-031203-DRD-1142*	*GW-031203-DRD-1142*	*GW-031203-DRD-1070*	*GW-030503-SP-947*	*GW-030503-SP-946*	*GW-031303-DRD-1143*	*GW-030503-SP-948*	*GW-031303-DRD-1144*	*GW-030503-SP-949*	*GW-031303-DRD-1151*
Sample Date:		*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/5/2003*	*3/5/2003*	*3/13/2003*	*3/5/2003*	*3/13/2003*	*3/5/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*	*Area 01*
Sample Location:		*MW-A1-14S*	*MW-A1-14S*	*MW-A1-14S*	*MW-A1-14S*	*OW-21*	*OW-22*	*OW-22*	*OW-23*	*OW-23*	*OW-24*	*OW-24*
Depth:		*-*	*-*	*15.5-17.5 ft BGS*	*16-18 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Sample ID:		*GW-031203-DRD-1070*	*GW-031203-DRD-1142*	*GW-031203-DRD-1142*	*GW-031203-DRD-1070*	*GW-030503-SP-947*	*GW-030503-SP-946*	*GW-031303-DRD-1143*	*GW-030503-SP-948*	*GW-031303-DRD-1144*	*GW-030503-SP-949*	*GW-031303-DRD-1151*
Sample Date:		*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/12/2003*	*3/5/2003*	*3/5/2003*	*3/13/2003*	*3/5/2003*	*3/13/2003*	*3/5/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/L	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/L	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/L	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chromium III (Trivalent)	mg/L	--	--	--	ND (0.020)	ND (0.020)	ND (0.020)	--	ND (0.020)	--	ND (0.020)	--
Chromium Total	mg/L	--	--	--	ND (0.0050)	0.0027	147	--	269	--	308	--
Chromium Total (Dissolved)	mg/L	--	--	ND (0.0050)	--	--	--	--	--	300	--	870
Chromium VI (Hexavalent)(Dissolved)	mg/L	--	--	--	ND (0.02)	ND (0.02)	203	--	346	--	364	--
Cobalt	mg/L	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/L	--	--	--	--	--	--	--	--	--	--	--
Cyanide (total)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/L	--	--	0.91	--	--	--	--	--	ND (1.0)	--	ND (2.0)
Iron (Dissolved)	mg/L	--	--	0.68	--	--	--	--	--	ND (1.0)	--	ND (2.0)
Lead	mg/L	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/L	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/L	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/L	--	--	--	0.0080	ND (0.025)	0.17	--	4.3	--	56.7	--
Nickel (Dissolved)	mg/L	--	--	ND (0.025)	--	--	--	--	--	4.8	--	63.7
Selenium	mg/L	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/L	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/L	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/L	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/L	--	--	--	--	--	--	--	--	--	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	0.060	--	--	--	--	--	ND (0.10)	--	0.070
Sulfate	mg/L	--	--	88.7	--	--	--	--	--	462	--	1470
Total Organic Carbon (TOC)	mg/L	--	--	ND (1)	--	--	--	--	--	12	--	19
Field Parameters												
Conductivity Field	µmhos/cm	0.000905	0.0017	--	--	0.0018	0.00256	0.00113	0.00338	0.00327	0.00472	0.003918
Dissolved Oxygen	mg/L	0.26	0.15	--	--	0.16	0.26	0.28	0.42	0.28	0.57	0.15
Oxidation reduction potential	millivolts	-358	25	--	--	78	92	0.28	138	-54	144	142
pH Field	s.u.	8.36	8.22	--	--	6.69	6.75	8.31	6.42	6.46	6.46	4.58
Temperature (Sample)	Deg C	8.84	10.56	--	--	8.86	10.71	9.79	9.42	9.51	8.81	9.61
Turbidity	NTU	7.00	5.20	--	--	4.50	1.33	68	0.41	0.88	1.11	0.94
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-1D*	*MW-A1/33-1D*	*MW-A1/33-1S*	*MW-A1/33-1S*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-3S*	*MW-A1/33-3S*	*MW-A1/33-3S*
Depth:		*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*	*-*	*20-22 ft BGS*	*21.2-23.3 ft BGS*	*-*	*-*	*15.3-17.3 ft BGS*
Sample ID:		*GW-030303-SP-883*	*GW-100702-MM-319*	*GW-030303-SP-884*	*GW-100702-MM-320*	*GW-031303-SP-1156*	*GW-031403-DRD-1136*	*GW-101102-MM-418*	*GW-031403-DRD-1136*	*GW-031303-DRD-1157*	*GW-031403-DRD-1140*	*GW-031403-DRD-1140*
Sample Date:		*3/3/2003*	*10/7/2002*	*3/3/2003*	*10/7/2002*	*3/13/2003*	*3/14/2003*	*10/11/2002*	*3/14/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.004	--	0.0042	--	ND (0.0033)	--	--
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,1,2-Trichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,1-Dichloroethane	mg/L	ND (0.001)	ND (0.001)	0.00045	0.0005 J	0.11	--	0.089	--	0.0096	--	--
1,1-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	--	ND (0.012)	--	ND (0.017)	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,2-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,2-Dichloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	0.00075 J	--	ND (0.0033)	--	--
1,2-Dichloropropane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,3-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
1,4-Dichlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.12)	--	ND (0.062)	--	0.0053	--	--
2-Hexanone	mg/L	ND (0.05)	ND (0.05) UJ	ND (0.05)	ND (0.05) UJ	ND (0.25)	--	ND (0.12)	--	ND (0.17)	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	--	ND (0.12)	--	0.0032	--	--
Acetone	mg/L	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.12)	--	ND (0.062)	--	0.0065	--	--
Benzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Bromodichloromethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Bromoform	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Carbon disulfide	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	--	ND (0.012)	--	ND (0.017)	--	--
Carbon tetrachloride	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Chlorobenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Chloroethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.1	--	0.084	--	0.096	--	--
Chloroform (Trichloromethane)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
cis-1,2-Dichloroethene	mg/L	0.00038	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	0.0025	--	--
cis-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Cyclohexane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Dibromochloromethane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Ethylbenzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Isopropylbenzene	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	--	ND (0.012)	--	ND (0.017)	--	--
Methyl acetate	mg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)	--	ND (0.025)	--	ND (0.033)	--	--
Methyl cyclohexane	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Methyl Tert Butyl Ether	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	--	ND (0.012)	--	ND (0.017)	--	--
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.025)	--	ND (0.012)	--	0.0015	--	--
Styrene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Tetrachloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Toluene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
trans-1,2-Dichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
trans-1,3-Dichloropropene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Trichloroethene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	--	ND (0.0025)	--	ND (0.0033)	--	--
Vinyl chloride	mg/L	0.009	0.0075	0.0015	0.00079 J	0.021	--	0.018	--	ND (0.0033)	--	--
Xylene (total)	mg/L	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.015)	--	ND (0.0075)	--	ND (0.01)	--	--
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	ND (0.01)	--	ND (0.1)	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-1D*	*MW-A1/33-1D*	*MW-A1/33-1S*	*MW-A1/33-1S*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-3S*	*MW-A1/33-3S*	*MW-A1/33-3S*
Depth:		*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*	*-*	*20-22 ft BGS*	*21.2-23.3 ft BGS*	*-*	*-*	*15.3-17.3 ft BGS*
Sample ID:		*GW-030303-SP-883*	*GW-100702-MM-319*	*GW-030303-SP-884*	*GW-100702-MM-320*	*GW-031303-SP-1156*	*GW-031403-DRD-1136*	*GW-101102-MM-418*	*GW-031403-DRD-1136*	*GW-031303-DRD-1157*	*GW-031403-DRD-1140*	*GW-031403-DRD-1140*
Sample Date:		*3/3/2003*	*10/7/2002*	*3/3/2003*	*10/7/2002*	*3/13/2003*	*3/14/2003*	*10/11/2002*	*3/14/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Acetophenone	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Anthracene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Atrazine	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	ND (0.01)	--	ND (0.1)	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Biphenyl	mg/L	--	--	--	--	--	--	ND (0.01)	--	ND (0.1)	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Caprolactam	mg/L	--	--	--	--	--	--	ND (0.01)	--	ND (0.1)	--	--
Carbazole	mg/L	--	--	--	--	--	--	ND (0.01)	--	ND (0.1)	--	--
Chrysene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Fluorene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
Isophorone	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	ND (0.1)	--	--
Naphthalene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	ND (0.004)	--	ND (0.04)	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	ND (0.02)	--	ND (0.2)	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Phenol	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--
Pyrene	mg/L	--	--	--	--	--	--	ND (0.005)	--	ND (0.05)	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-1D*	*MW-A1/33-1D*	*MW-A1/33-1S*	*MW-A1/33-1S*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-2D*	*MW-A1/33-3S*	*MW-A1/33-3S*	*MW-A1/33-3S*
Depth:		*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*	*-*	*20-22 ft BGS*	*21.2-23.3 ft BGS*	*-*	*-*	*15.3-17.3 ft BGS*
Sample ID:		*GW-030303-SP-883*	*GW-100702-MM-319*	*GW-030303-SP-884*	*GW-100702-MM-320*	*GW-031303-SP-1156*	*GW-031403-DRD-1136*	*GW-101102-MM-418*	*GW-031403-DRD-1136*	*GW-031303-DRD-1157*	*GW-031403-DRD-1140*	*GW-031403-DRD-1140*
Sample Date:		*3/3/2003*	*10/7/2002*	*3/3/2003*	*10/7/2002*	*3/13/2003*	*3/14/2003*	*10/11/2002*	*3/14/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	--	ND (0.0020) U	--	ND (0.0020) U	--	--	ND (0.0020)	--	0.0015	--	--
Arsenic	mg/L	--	0.0022 J	--	ND (0.010)	--	--	ND (0.010)	--	0.0031	--	--
Barium	mg/L	--	0.074 J	--	0.052 J	--	--	0.16	--	0.058	--	--
Beryllium	mg/L	--	ND (0.0010)	--	ND (0.0010)	--	--	ND (0.0010)	--	ND (0.0010)	--	--
Cadmium	mg/L	--	ND (0.00050)	--	ND (0.00050)	--	--	ND (0.00050)	--	ND (0.00050)	--	--
Chromium III (Trivalent)	mg/L	ND (0.020)	--	ND (0.020)	--	ND (0.020)	--	--	--	ND (0.020)	--	--
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	--	ND (0.0050)	--	ND (0.0050)	--	--
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	--	ND (0.02)	--	ND (0.02)	--	--
Cobalt	mg/L	--	ND (0.0070)	--	ND (0.0070) U	--	--	ND (0.0070)	--	0.0013	--	--
Copper	mg/L	--	ND (0.025)	--	ND (0.025)	--	--	ND (0.025)	--	0.0022	--	--
Cyanide (total)	mg/L	--	ND (0.010)	--	ND (0.010)	--	--	ND (0.010)	--	ND (0.010)	--	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	ND (0.0030)	--	ND (0.0030)	--	--	ND (0.0030)	--	ND (0.0030)	--	--
Manganese	mg/L	--	0.15	--	0.17	--	--	0.11	--	0.22	--	--
Mercury	mg/L	--	ND (0.00020)	--	ND (0.00020)	--	--	ND (0.00020)	--	ND (0.00020)	--	--
Nickel	mg/L	ND (0.025)	ND (0.025) U	0.0096	ND (0.025) U	ND (0.025)	--	ND (0.025)	--	0.0072	--	--
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	ND (0.0050)	--	ND (0.0050)	--	--	ND (0.0050)	--	0.0032	--	--
Silver	mg/L	--	ND (0.00050) UJ	--	ND (0.00050) UJ	--	--	ND (0.00050) UJ	--	ND (0.00050)	--	--
Thallium	mg/L	--	ND (0.0010)	--	ND (0.0010)	--	--	ND (0.0010)	--	ND (0.0010)	--	--
Vanadium	mg/L	--	ND (0.0070)	--	ND (0.0070)	--	--	ND (0.0070)	--	0.0010	--	--
Zinc	mg/L	--	ND (0.010) U	--	ND (0.010) U	--	--	ND (0.012) U	--	0.80	--	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	ND (0.0002)	--	--	ND (0.0002)
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	ND (0.0002)	--	--	ND (0.0002)
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	ND (0.0004)	--	--	ND (0.0004)
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	ND (0.0002)	--	--	ND (0.0002)
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	ND (0.0002)	--	--	ND (0.0002)
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	ND (0.0002)	--	--	ND (0.0002)
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	ND (0.0002)	--	--	ND (0.0002)
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Field Parameters												
Conductivity Field	µmhos/cm	0.001307	--	0.001242	--	0.001296	0.00231	--	--	0.00132	0.001333	--
Dissolved Oxygen	mg/L	0.57	--	0.81	--	0.18	2.31	--	--	2.63	0.69	--
Oxidation reduction potential	millivolts	73	--	91	--	-124	-69	--	--	-105	156	--
pH Field	s.u.	6.86	--	6.80	--	7.30	8.08	--	--	7.31	7.00	--
Temperature (Sample)	Deg C	8.60	--	5.26	--	5.66	4.91	--	--	8.12	6.66	--
Turbidity	NTU	6.06	--	6.80	--	0.18	1.1	--	--	2.75	4.81	--
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-5S*	*MW-A1/33-5S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-7S*
Depth:		-	-	*13.6-15.6 ft BGS*	-	-	-	-	-	*13.7-15.7 ft BGS*	*13.7-15.7 ft BGS*	-
Sample ID:		*GW-031303-DRD-1155*	*GW-031403-DRD-1159*	*GW-031403-DRD-1159*	*GW-031303-SP-1147*	*GW-031803-DRD-1160*	*GW-031303-SP-1148*	*GW-031403-DCR-1109*	*GW-031403-DCR-1110*	*GW-031403-DCR-1109*	*GW-031403-DCR-1110*	*GW-031303-SP-1150*
Sample Date:		*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*	*3/18/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	0.002	--	--	ND (0.001)	--	0.054	--	--	--	--	0.0019
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,1,2-Trichloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,1-Dichloroethane	mg/L	0.014	--	--	0.0016	--	0.027	--	--	--	--	0.0034
1,1-Dichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.0084)	--	--	--	--	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,2-Dichlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,2-Dichloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	0.0014	--	--	--	--	0.0008
1,2-Dichloropropane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,3-Dichlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
1,4-Dichlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.003	--	--	ND (0.025)	--	ND (0.042)	--	--	--	--	0.0014
2-Hexanone	mg/L	ND (0.05)	--	--	ND (0.05)	--	ND (0.084)	--	--	--	--	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.0011	--	--	ND (0.05)	--	ND (0.084)	--	--	--	--	ND (0.05)
Acetone	mg/L	0.0098	--	--	ND (0.025)	--	ND (0.042)	--	--	--	--	0.0042
Benzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Bromodichloromethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Bromoform	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Carbon disulfide	mg/L	0.00046	--	--	ND (0.005)	--	ND (0.0084)	--	--	--	--	0.00073
Carbon tetrachloride	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Chlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Chloroethane	mg/L	0.028	--	--	0.0039	--	0.017	--	--	--	--	ND (0.001)
Chloroform (Trichloromethane)	mg/L	0.00049	--	--	0.00044	--	ND (0.0017)	--	--	--	--	0.0011
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
cis-1,2-Dichloroethene	mg/L	0.0015	--	--	0.0049	--	0.0045	--	--	--	--	ND (0.001)
cis-1,3-Dichloropropene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Cyclohexane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Dibromochloromethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Ethylbenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Isopropylbenzene	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.0084)	--	--	--	--	ND (0.005)
Methyl acetate	mg/L	ND (0.01)	--	--	ND (0.01)	--	ND (0.017)	--	--	--	--	ND (0.01)
Methyl cyclohexane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Methyl Tert Butyl Ether	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.0084)	--	--	--	--	ND (0.005)
Methylene chloride	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.0084)	--	--	--	--	ND (0.005)
Styrene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Tetrachloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Toluene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
trans-1,2-Dichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
trans-1,3-Dichloropropene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Trichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.0017)	--	--	--	--	ND (0.001)
Vinyl chloride	mg/L	0.0018	--	--	0.0024	--	0.034	--	--	--	--	0.026
Xylene (total)	mg/L	ND (0.003)	--	--	0.00047	--	ND (0.005)	--	--	--	--	ND (0.003)
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2,4,5-Trichlorophenol	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2,4,6-Trichlorophenol	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	ND (0.004)
2,4-Dichlorophenol	mg/L	ND (0.04)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--	ND (0.01)
2,4-Dimethylphenol	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2,4-Dinitrophenol	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
2,4-Dinitrotoluene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2,6-Dinitrotoluene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2-Chloronaphthalene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2-Chlorophenol	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2-Methylnaphthalene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
2-Nitrophenol	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
3,3'-Dichlorobenzidine	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	ND (0.004)
3-Nitroaniline	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-5S*	*MW-A1/33-5S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-7S*
Depth:		-	-	*13.6-15.6 ft BGS*	-	-	-	-	-	*13.7-15.7 ft BGS*	*13.7-15.7 ft BGS*	-
Sample ID:		*GW-031303-DRD-1155*	*GW-031403-DRD-1159*	*GW-031403-DRD-1159*	*GW-031303-SP-1147*	*GW-031803-DRD-1160*	*GW-031303-SP-1148*	*GW-031403-DCR-1109*	*GW-031403-DCR-1110*	*GW-031403-DCR-1109*	*GW-031403-DCR-1110*	*GW-031303-SP-1150*
Sample Date:		*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*	*3/18/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
4-Bromophenyl phenyl ether	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
4-Chloro-3-methylphenol	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
4-Chloroaniline	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
4-Chlorophenyl phenyl ether	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
4-Nitrophenol	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
Acenaphthene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Acenaphthylene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Acetophenone	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Anthracene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Atrazine	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Benzaldehyde	mg/L	ND (0.04)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--	ND (0.01)
Benzo(a)anthracene	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	ND (0.004)
Benzo(a)pyrene	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	0.0012
Benzo(b)fluoranthene	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	0.001
Benzo(g,h,i)perylene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	0.0014
Benzo(k)fluoranthene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	0.0011
Biphenyl	mg/L	ND (0.04)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--	ND (0.01)
bis(2-Chloroethoxy)methane	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
bis(2-Chloroethyl)ether	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	ND (0.004)
bis(2-Ethylhexyl)phthalate	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Butyl benzylphthalate	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Caprolactam	mg/L	ND (0.04)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--	ND (0.01)
Carbazole	mg/L	ND (0.04)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--	ND (0.01)
Chrysene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Dibenz(a,h)anthracene	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	0.0017
Dibenzofuran	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Diethyl phthalate	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Dimethyl phthalate	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Di-n-butylphthalate	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Di-n-octyl phthalate	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Fluoranthene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Fluorene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Hexachlorobenzene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Hexachlorobutadiene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Hexachlorocyclopentadiene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Hexachloroethane	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Indeno(1,2,3-cd)pyrene	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	0.0016
Isophorone	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Methylphenol (Cresol)	mg/L	ND (0.04)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--	ND (0.01)
Naphthalene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Nitrobenzene	mg/L	ND (0.016)	--	--	ND (0.004)	--	ND (0.004)	--	--	--	--	ND (0.004)
N-Nitrosodi-n-propylamine	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
N-Nitrosodiphenylamine	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Pentachlorophenol	mg/L	ND (0.08)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
Phenanthrene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)
Phenol	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	0.0033
Pyrene	mg/L	ND (0.02)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--	ND (0.005)

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*
Sample Location:		*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-4S*	*MW-A1/33-5S*	*MW-A1/33-5S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-6S*	*MW-A1/33-7S*
Depth:		*-*	*-*	*13.6-15.6 ft BGS*	*-*	*-*	*-*	*-*	*-*	*13.7-15.7 ft BGS*	*13.7-15.7 ft BGS*	*-*
Sample ID:		*GW-031303-DRD-1155*	*GW-031403-DRD-1159*	*GW-031403-DRD-1159*	*GW-031303-SP-1147*	*GW-031803-DRD-1160*	*GW-031303-SP-1148*	*GW-031403-DCR-1109*	*GW-031403-DCR-1110*	*GW-031403-DCR-1109*	*GW-031403-DCR-1110*	*GW-031303-SP-1150*
Sample Date:		*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*	*3/18/2003*	*3/13/2003*	*3/14/2003*	*3/14/2003*	*3/14/2003*	*3/14/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	0.00064	--	--	0.0025	--	0.0013	--	--	--	--	0.0028
Arsenic	mg/L	0.0027	--	--	ND (0.010)	--	0.0025	--	--	--	--	0.0038
Barium	mg/L	0.098	--	--	0.067	--	0.20	--	--	--	--	0.028
Beryllium	mg/L	ND (0.0010)	--	--	ND (0.0010)	--	ND (0.0010)	--	--	--	--	ND (0.0010)
Cadmium	mg/L	ND (0.00050)	--	--	ND (0.00050)	--	ND (0.00050)	--	--	--	--	ND (0.00050)
Chromium III (Trivalent)	mg/L	ND (0.020)	--	--	ND (0.020)	--	ND (0.020)	--	--	--	--	ND (0.020)
Chromium Total	mg/L	0.0048	--	--	0.0018	--	ND (0.0050)	--	--	--	--	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	--	--	ND (0.02)	--	ND (0.02)	--	--	--	--	ND (0.02)
Cobalt	mg/L	0.00084	--	--	ND (0.0070)	--	ND (0.0070)	--	--	--	--	ND (0.0070)
Copper	mg/L	0.00094	--	--	0.00097	--	0.00058	--	--	--	--	0.0015
Cyanide (total)	mg/L	ND (0.010)	--	--	ND (0.010)	--	ND (0.010)	--	--	--	--	ND (0.010)
Iron	mg/L	--	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	ND (0.0030)	--	--	ND (0.0030)	--	ND (0.0030)	--	--	--	--	ND (0.0030)
Manganese	mg/L	0.21	--	--	0.19	--	0.18	--	--	--	--	0.021
Mercury	mg/L	ND (0.00020)	--	--	ND (0.00020)	--	0.000098	--	--	--	--	ND (0.00020)
Nickel	mg/L	0.010	--	--	0.0039	--	ND (0.025)	--	--	--	--	0.0034
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	0.0016	--	--	0.0013	--	0.0010	--	--	--	--	0.0017
Silver	mg/L	ND (0.00050)	--	--	ND (0.00050)	--	ND (0.00050)	--	--	--	--	ND (0.00050)
Thallium	mg/L	ND (0.0010)	--	--	ND (0.0010)	--	ND (0.0010)	--	--	--	--	ND (0.0010)
Vanadium	mg/L	0.00068	--	--	ND (0.0070)	--	ND (0.0070)	--	--	--	--	0.0066
Zinc	mg/L	0.015	--	--	0.0086	--	0.0080	--	--	--	--	0.0084
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	--	ND (0.0002)	--	ND (0.0002)	--	--	--	ND (0.0002)	ND (0.0002)	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	ND (0.0002)	--	ND (0.0002)	--	--	--	ND (0.0002)	ND (0.0002)	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	ND (0.0004)	--	ND (0.0004)	--	--	--	ND (0.0004)	ND (0.0004)	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	ND (0.0002)	--	ND (0.0002)	--	--	--	ND (0.0002)	ND (0.0002)	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	ND (0.0002)	--	ND (0.0002)	--	--	--	ND (0.0002)	ND (0.0002)	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	ND (0.0002)	--	ND (0.0002)	--	--	--	ND (0.0002)	ND (0.0002)	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	ND (0.0002)	--	ND (0.0002)	--	--	--	ND (0.0002)	ND (0.0002)	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Field Parameters												
Conductivity Field	µmhos/cm	0.00159	0.001445	--	0.00147	0.00142	0.00178	0.00174	0.00174	--	--	0.000926
Dissolved Oxygen	mg/L	0.38	0.05	--	0.33	0.10	0.16	0.98	0.98	--	--	0.68
Oxidation reduction potential	millivolts	-20	-261	--	-440	-520	-305	-58	-58	--	--	-166
pH Field	s.u.	7.38	7.01	--	7.20	7.34	7.49	7.55	7.55	--	--	9.27
Temperature (Sample)	Deg C	8.32	5.75	--	7.39	6.98	7.83	7.62	7.62	--	--	10.22
Turbidity	NTU	5.31	6.2	--	0.14	3.83	0.4	4.5	4.5	--	--	0.2
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-A1/33-7S*	*MW-A1/33-7S*	*MW-A1/33-8D*	*MW-A1/33-8D*	*MW-A1/33-8D*	*MW-A1/33-8S*	*MW-A1/33-8S*	*MW-A1/33-8S*	*HA-13*	*HA-13*	*HA-14*
Depth:		*-*	*15.4-17.4 ft BGS*	*-*	*-*	*24-26 ft BGS*	*-*	*-*	*16.3-18.3 ft BGS*	*-*	*20-22 ft BGS*	*-*
Sample ID:		*GW-031403-DRD-1137*	*GW-031403-DRD-1137*	*GW-030603-SP-974*	*GW-031303-DCR-1106*	*GW-030603-SP-974*	*GW-030603-SP-975*	*GW-031803-DRD-1161*	*GW-030603-SP-975*	*GW-022603-SP-730*	*GW-100702-MM-317*	*GW-022603-SP-752*
Sample Date:		*3/14/2003*	*3/14/2003*	*3/6/2003*	*3/13/2003*	*3/6/2003*	*3/6/2003*	*3/18/2003*	*3/6/2003*	*2/26/2003*	*10/7/2002*	*2/26/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	0.00072 J	--
1,1,2,2-Tetrachloroethane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,1,2-Trichloroethane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,1-Dichloroethane	mg/L	--	--	--	--	ND (0.001)	--	--	0.0025	--	0.0013	--
1,1-Dichloroethene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,2,4-Trichlorobenzene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.01)	--	ND (0.005)	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,2-Dichlorobenzene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,2-Dichloroethane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,2-Dichloropropane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,3-Dichlorobenzene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
1,4-Dichlorobenzene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	--	--	--	0.00091	--	--	0.0064	--	ND (0.025) UJ	--
2-Hexanone	mg/L	--	--	--	--	ND (0.05)	--	--	ND (0.1)	--	ND (0.05) UJ	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	--	--	--	ND (0.05)	--	--	0.0046	--	ND (0.05)	--
Acetone	mg/L	--	--	--	--	0.004	--	--	0.033	--	ND (0.025) UJ	--
Benzene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Bromodichloromethane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Bromoform	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Bromomethane (Methyl Bromide)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Carbon disulfide	mg/L	--	--	--	--	0.00025	--	--	ND (0.01)	--	ND (0.005)	--
Carbon tetrachloride	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Chlorobenzene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Chloroethane	mg/L	--	--	--	--	0.0057	--	--	0.0025	--	ND (0.001)	--
Chloroform (Trichloromethane)	mg/L	--	--	--	--	0.00049	--	--	ND (0.002)	--	ND (0.001)	--
Chloromethane (Methyl Chloride)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
cis-1,2-Dichloroethene	mg/L	--	--	--	--	0.00045	--	--	ND (0.002)	--	ND (0.001)	--
cis-1,3-Dichloropropene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Cyclohexane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Dibromochloromethane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Dichlorodifluoromethane (CFC-12)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Ethylbenzene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Isopropylbenzene	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.01)	--	ND (0.005)	--
Methyl acetate	mg/L	--	--	--	--	ND (0.01)	--	--	ND (0.02)	--	ND (0.01)	--
Methyl cyclohexane	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Methyl Tert Butyl Ether	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.01)	--	ND (0.005)	--
Methylene chloride	mg/L	--	--	--	--	ND (0.005)	--	--	ND (0.01)	--	ND (0.005)	--
Styrene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Tetrachloroethene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Toluene	mg/L	--	--	--	--	0.0004	--	--	ND (0.002)	--	ND (0.001)	--
trans-1,2-Dichloroethene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
trans-1,3-Dichloropropene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Trichloroethene	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Trichlorofluoromethane (CFC-11)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Trifluorotrichloroethane (Freon 113)	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Vinyl chloride	mg/L	--	--	--	--	ND (0.001)	--	--	ND (0.002)	--	ND (0.001)	--
Xylene (total)	mg/L	--	--	--	--	0.00051	--	--	ND (0.006)	--	ND (0.003)	--
Semi-volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	ND (0.01)	--	--	ND (0.01)	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	ND (0.005)	--	--	0.0016	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	ND (0.005)	--	--	0.00067	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-A1/33-7S*	*MW-A1/33-7S*	*MW-A1/33-8D*	*MW-A1/33-8D*	*MW-A1/33-8D*	*MW-A1/33-8S*	*MW-A1/33-8S*	*MW-A1/33-8S*	*HA-13*	*HA-13*	*HA-14*
Depth:		*-*	*15.4-17.4 ft BGS*	*-*	*-*	*24-26 ft BGS*	*-*	*-*	*16.3-18.3 ft BGS*	*-*	*20-22 ft BGS*	*-*
Sample ID:		*GW-031403-DRD-1137*	*GW-031403-DRD-1137*	*GW-030603-SP-974*	*GW-031303-DCR-1106*	*GW-030603-SP-974*	*GW-030603-SP-975*	*GW-031803-DRD-1161*	*GW-030603-SP-975*	*GW-022603-SP-730*	*GW-100702-MM-317*	*GW-022603-SP-752*
Sample Date:		*3/14/2003*	*3/14/2003*	*3/6/2003*	*3/13/2003*	*3/6/2003*	*3/6/2003*	*3/18/2003*	*3/6/2003*	*2/26/2003*	*10/7/2002*	*2/26/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
Acenaphthene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Acenaphthylene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Acetophenone	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Anthracene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Atrazine	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Benzaldehyde	mg/L	--	--	--	ND (0.01)	--	--	ND (0.01)	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Biphenyl	mg/L	--	--	--	ND (0.01)	--	--	ND (0.01)	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Caprolactam	mg/L	--	--	--	ND (0.01)	--	--	ND (0.01)	--	--	--	--
Carbazole	mg/L	--	--	--	ND (0.01)	--	--	ND (0.01)	--	--	--	--
Chrysene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
Dibenzofuran	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Fluoranthene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Fluorene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Hexachloroethane	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
Isophorone	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	ND (0.01)	--	--	0.0075	--	--	--	--
Naphthalene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Nitrobenzene	mg/L	--	--	--	ND (0.004)	--	--	ND (0.004)	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	ND (0.02)	--	--	ND (0.02)	--	--	--	--
Phenanthrene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--
Phenol	mg/L	--	--	--	ND (0.005)	--	--	0.058	--	--	--	--
Pyrene	mg/L	--	--	--	ND (0.005)	--	--	ND (0.005)	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Area 01/AOI 33*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-A1/33-7S*	*MW-A1/33-7S*	*MW-A1/33-8D*	*MW-A1/33-8D*	*MW-A1/33-8D*	*MW-A1/33-8S*	*MW-A1/33-8S*	*MW-A1/33-8S*	*HA-13*	*HA-13*	*HA-14*
Depth:		*-*	*15.4-17.4 ft BGS*	*-*	*-*	*24-26 ft BGS*	*-*	*-*	*16.3-18.3 ft BGS*	*-*	*20-22 ft BGS*	*-*
Sample ID:		*GW-031403-DRD-1137*	*GW-031403-DRD-1137*	*GW-030603-SP-974*	*GW-031303-DCR-1106*	*GW-030603-SP-974*	*GW-030603-SP-975*	*GW-031803-DRD-1161*	*GW-030603-SP-975*	*GW-022603-SP-730*	*GW-100702-MM-317*	*GW-022603-SP-752*
Sample Date:		*3/14/2003*	*3/14/2003*	*3/6/2003*	*3/13/2003*	*3/6/2003*	*3/6/2003*	*3/18/2003*	*3/6/2003*	*2/26/2003*	*10/7/2002*	*2/26/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units											
Metals												
Antimony	mg/L	--	--	--	0.00056	--	--	--	--	--	ND (0.0020) U	--
Arsenic	mg/L	--	--	--	0.0046	--	--	--	--	--	ND (0.010)	--
Barium	mg/L	--	--	--	0.27	--	--	--	--	--	0.090 J	--
Beryllium	mg/L	--	--	--	ND (0.0010)	--	--	--	--	--	ND (0.0010)	--
Cadmium	mg/L	--	--	--	ND (0.00050)	--	--	--	--	--	ND (0.00050)	--
Chromium III (Trivalent)	mg/L	--	--	--	--	ND (0.020)	--	--	ND (0.020)	ND (0.020)	--	ND (0.020)
Chromium Total	mg/L	--	--	--	ND (0.0050)	ND (0.0050)	--	--	0.0045	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	--	--	--	--	ND (0.02)	--	--	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Cobalt	mg/L	--	--	--	ND (0.0070)	--	--	--	--	--	ND (0.0070)	--
Copper	mg/L	--	--	--	0.00074	--	--	--	--	--	ND (0.025)	--
Cyanide (total)	mg/L	--	--	--	ND (0.010)	--	--	--	--	--	ND (0.010)	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	--	--	ND (0.0030)	--	--	--	--	--	ND (0.0030)	--
Manganese	mg/L	--	--	--	0.29	--	--	--	--	--	0.33	--
Mercury	mg/L	--	--	--	ND (0.00020)	--	--	--	--	--	ND (0.00020)	--
Nickel	mg/L	--	--	--	0.0053	0.010	--	--	0.043	ND (0.025)	ND (0.025)	116
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	--	--	0.0011	--	--	--	--	--	ND (0.0050)	--
Silver	mg/L	--	--	--	ND (0.00050)	--	--	--	--	--	ND (0.00050) UJ	--
Thallium	mg/L	--	--	--	ND (0.0010)	--	--	--	--	--	ND (0.0010)	--
Vanadium	mg/L	--	--	--	ND (0.0070)	--	--	--	--	--	ND (0.0070)	--
Zinc	mg/L	--	--	--	0.013	--	--	--	--	--	ND (0.010) U	--
PCBs												
Aroclor-1016 (PCB-1016)	mg/L	--	ND (0.0002)	--	ND (0.0002)	--	--	ND (0.0002)	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	ND (0.0002)	--	ND (0.0002)	--	--	ND (0.0002)	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	ND (0.0004)	--	ND (0.0004)	--	--	ND (0.0004)	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	ND (0.0002)	--	ND (0.0002)	--	--	ND (0.0002)	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	ND (0.0002)	--	ND (0.0002)	--	--	ND (0.0002)	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	ND (0.0002)	--	ND (0.0002)	--	--	ND (0.0002)	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	ND (0.0002)	--	ND (0.0002)	--	--	ND (0.0002)	--	--	--	--
General Chemistry												
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--	--
Field Parameters												
Conductivity Field	µmhos/cm	0.001306	--	0.00182	0.00195	--	0.000765	0.00158	--	0.001102	--	0.00338
Dissolved Oxygen	mg/L	1.79	--	0.08	0.30	--	0.09	4.30	--	0.79	--	0.77
Oxidation reduction potential	millivolts	-256	--	-287	-226	--	-348	51	--	13	--	16
pH Field	s.u.	8.99	--	7.36	7.25	--	9.83	6.92	--	7.53	--	7.86
Temperature (Sample)	Deg C	5.18	--	11.55	10.82	--	9.25	9.97	--	10.85	--	10.72
Turbidity	NTU	7.1	--	4.66	0.9	--	107	10.4	--	1.16	--	1.18
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*HA-14*	*HA-15*	*HA-15*	*HA-15*	*HA-16*	*HA-16*	*HA-MW-11*	*HA-MW-12*	*MW-3*	*MW-3*
Depth:		*20-22 ft BGS*	*-*	*20-22 ft BGS*	*20-22 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*
Sample ID:		*GW-100702-MM-318*	*GW-022603-SP-754*	*GW-100802-MM-331*	*GW-100802-MM-332*	*GW-020503-SP-674*	*GW-030703-DMD-968*	*GW-020503-SP-675*	*GW-020503-SP-673*	*GW-022603-SP-756*	*GW-031303-DMD-756*
Sample Date:		*10/7/2002*	*2/26/2003*	*10/8/2002*	*10/8/2002*	*2/5/2003*	*3/7/2003*	*2/5/2003*	*2/5/2003*	*2/26/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	0.0017	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,1-Dichloroethane	mg/L	0.0097	--	0.0052	0.0061	--	--	--	--	--	--
1,1-Dichloroethene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,2-Dichloroethane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,2-Dichloropropane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025) UJ	--	0.0067 J	0.0015 J	--	--	--	--	--	--
2-Hexanone	mg/L	ND (0.05) UJ	--	ND (0.05) UJ	ND (0.05) UJ	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	--	0.0024 J	0.0013 J	--	--	--	--	--	--
Acetone	mg/L	ND (0.06) UJ	--	ND (0.025) UJ	ND (0.025) UJ	--	--	--	--	--	--
Benzene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Bromodichloromethane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Bromoform	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Carbon disulfide	mg/L	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--
Carbon tetrachloride	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Chlorobenzene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Chloroethane	mg/L	0.00084 J	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/L	0.00039 J	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Cyclohexane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Dibromochloromethane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Ethylbenzene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Isopropylbenzene	mg/L	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--
Methyl acetate	mg/L	ND (0.01)	--	ND (0.01)	ND (0.01)	--	--	--	--	--	--
Methyl cyclohexane	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/L	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--
Methylene chloride	mg/L	ND (0.005)	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--
Styrene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Tetrachloroethene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Toluene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Trichloroethene	mg/L	0.00056 J	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Vinyl chloride	mg/L	ND (0.001)	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--
Xylene (total)	mg/L	ND (0.003)	--	ND (0.003)	ND (0.003)	--	--	--	--	--	--
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*HA-14*	*HA-15*	*HA-15*	*HA-15*	*HA-16*	*HA-16*	*HA-MW-11*	*HA-MW-12*	*MW-3*	*MW-3*
Depth:		*20-22 ft BGS*	*-*	*20-22 ft BGS*	*20-22 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*
Sample ID:		*GW-100702-MM-318*	*GW-022603-SP-754*	*GW-100802-MM-331*	*GW-100802-MM-332*	*GW-020503-SP-674*	*GW-030703-DMD-968*	*GW-020503-SP-675*	*GW-020503-SP-673*	*GW-022603-SP-756*	*GW-031303-DMD-756*
Sample Date:		*10/7/2002*	*2/26/2003*	*10/8/2002*	*10/8/2002*	*2/5/2003*	*3/7/2003*	*2/5/2003*	*2/5/2003*	*2/26/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*HA-14*	*HA-15*	*HA-15*	*HA-15*	*HA-16*	*HA-16*	*HA-MW-11*	*HA-MW-12*	*MW-3*	*MW-3*
Depth:		*20-22 ft BGS*	*-*	*20-22 ft BGS*	*20-22 ft BGS*	*-*	*-*	*-*	*-*	*-*	*-*
Sample ID:		*GW-100702-MM-318*	*GW-022603-SP-754*	*GW-100802-MM-331*	*GW-100802-MM-332*	*GW-020503-SP-674*	*GW-030703-DMD-968*	*GW-020503-SP-675*	*GW-020503-SP-673*	*GW-022603-SP-756*	*GW-031303-DMD-756*
Sample Date:		*10/7/2002*	*2/26/2003*	*10/8/2002*	*10/8/2002*	*2/5/2003*	*3/7/2003*	*2/5/2003*	*2/5/2003*	*2/26/2003*	*3/13/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Metals											
Antimony	mg/L	ND (0.0020) U	--	ND (0.0020)	ND (0.0020)	--	--	--	--	--	--
Arsenic	mg/L	0.0065 J	--	ND (0.010) U	ND (0.010) U	--	--	--	--	--	--
Barium	mg/L	0.12	--	0.023 J	0.022 J	--	--	--	--	--	--
Beryllium	mg/L	ND (0.0010)	--	ND (0.0010)	ND (0.0010)	--	--	--	--	--	--
Cadmium	mg/L	ND (0.00050)	--	ND (0.00050) U	ND (0.00050) U	--	--	--	--	--	--
Chromium III (Trivalent)	mg/L	--	ND (0.020)	--	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	ND (0.0050)
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.007	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Cobalt	mg/L	ND (0.014) U	--	ND (0.35)	0.020 J	--	--	--	--	--	--
Copper	mg/L	ND (0.025)	--	ND (0.025)	ND (0.025)	--	--	--	--	--	--
Cyanide (total)	mg/L	ND (0.010)	--	ND (0.010)	ND (0.010)	--	--	--	--	--	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	0.14
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	ND (0.10)
Lead	mg/L	ND (0.0060)	--	ND (0.15)	0.042 J	ND (0.15)	--	ND (0.0030)	ND (0.0030)	--	--
Manganese	mg/L	1.1	--	1.9	1.8	--	--	--	--	--	--
Mercury	mg/L	ND (0.00020)	--	ND (0.00020)	ND (0.00020)	--	--	--	--	--	--
Nickel	mg/L	75.3	436	501	468	994	1100	0.040	0.0075	0.047	--
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	0.035
Selenium	mg/L	ND (0.0050)	--	ND (0.0050)	ND (0.0050)	--	--	--	--	--	--
Silver	mg/L	ND (0.00050) UJ	--	ND (0.00050) UJ	ND (0.00050) UJ	--	--	--	--	--	--
Thallium	mg/L	ND (0.0010)	--	ND (0.0010)	ND (0.0010)	--	--	--	--	--	--
Vanadium	mg/L	ND (0.0070)	--	ND (0.0070) U	ND (0.0070) U	--	--	--	--	--	--
Zinc	mg/L	ND (0.010) U	--	ND (0.010) U	ND (0.010) U	--	--	--	--	--	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--
General Chemistry											
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	1.9
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	351
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	10
Field Parameters											
Conductivity Field	µmhos/cm	--	0.00532	--	--	--	0.00788	--	--	0.00231	--
Dissolved Oxygen	mg/L	--	0.85	--	--	--	0.43	--	--	0.43	--
Oxidation reduction potential	millivolts	--	-70	--	--	--	20	--	--	-126	--
pH Field	s.u.	--	6.53	--	--	--	7.06	--	--	6.84	--
Temperature (Sample)	Deg C	--	11.44	--	--	--	10.14	--	--	8.38	--
Turbidity	NTU	--	1.01	--	--	--	4.16	--	--	1.06	--
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-3*	*MW-4D*	*MW-5D*	*MW-5D*	*MW-5S*	*MW-5S*	*MW-27*	*MW-28*	*MW-OS-1D*	*MW-OS-1S*
Depth:		*12-14 ft BGS*	*-*	*-*	*8-10 ft BGS*	*-*	*8-10 ft BGS*	*-*	*-*	*-*	*-*
Sample ID:		*GW-102302-MM-498*	*GW-030403-SP-886*	*GW-022603-SP-729*	*GW-101402-MM-423*	*GW-022503-SP-727*	*GW-101402-MM-426*	*GW-030403-SP-880*	*GW-030403-SP-887*	*GW-022403-SP-683*	*GW-022403-SP-682*
Sample Date:		*10/23/2002*	*3/4/2003*	*2/26/2003*	*10/14/2002*	*2/25/2003*	*10/14/2002*	*3/4/2003*	*3/4/2003*	*2/24/2003*	*2/24/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	0.0015	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,1,2-Trichloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,1-Dichloroethane	mg/L	0.00098 J	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,1-Dichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,2,4-Trichlorobenzene	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,2-Dichlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,2-Dichloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,2-Dichloropropane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,3-Dichlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
1,4-Dichlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.025)	--	--	ND (0.025)	--	ND (0.025)	--	--	--	--
2-Hexanone	mg/L	ND (0.05)	--	--	ND (0.05) UJ	--	ND (0.05) UJ	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	ND (0.05)	--	--	ND (0.05)	--	ND (0.05)	--	--	--	--
Acetone	mg/L	ND (0.025) U	--	--	ND (0.025) UJ	--	ND (0.025) UJ	--	--	--	--
Benzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Bromodichloromethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Bromoform	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Bromomethane (Methyl Bromide)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Carbon disulfide	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--
Carbon tetrachloride	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Chlorobenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Chloroethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Chloroform (Trichloromethane)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Chloromethane (Methyl Chloride)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
cis-1,2-Dichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
cis-1,3-Dichloropropene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Cyclohexane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Dibromochloromethane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Ethylbenzene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Isopropylbenzene	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--
Methyl acetate	mg/L	ND (0.01)	--	--	ND (0.01)	--	ND (0.01)	--	--	--	--
Methyl cyclohexane	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Methyl Tert Butyl Ether	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--
Methylene chloride	mg/L	ND (0.005)	--	--	ND (0.005)	--	ND (0.005)	--	--	--	--
Styrene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Tetrachloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Toluene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
trans-1,2-Dichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
trans-1,3-Dichloropropene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Trichloroethene	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Vinyl chloride	mg/L	ND (0.001)	--	--	ND (0.001)	--	ND (0.001)	--	--	--	--
Xylene (total)	mg/L	ND (0.003)	--	--	ND (0.003)	--	ND (0.003)	--	--	--	--
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-3*	*MW-4D*	*MW-5D*	*MW-5D*	*MW-5S*	*MW-5S*	*MW-27*	*MW-28*	*MW-OS-1D*	*MW-OS-1S*
Depth:		*12-14 ft BGS*	*-*	*-*	*8-10 ft BGS*	*-*	*8-10 ft BGS*	*-*	*-*	*-*	*-*
Sample ID:		*GW-102302-MM-498*	*GW-030403-SP-886*	*GW-022603-SP-729*	*GW-101402-MM-423*	*GW-022503-SP-727*	*GW-101402-MM-426*	*GW-030403-SP-880*	*GW-030403-SP-887*	*GW-022403-SP-683*	*GW-022403-SP-682*
Sample Date:		*10/23/2002*	*3/4/2003*	*2/26/2003*	*10/14/2002*	*2/25/2003*	*10/14/2002*	*3/4/2003*	*3/4/2003*	*2/24/2003*	*2/24/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-3*	*MW-4D*	*MW-5D*	*MW-5D*	*MW-5S*	*MW-5S*	*MW-27*	*MW-28*	*MW-OS-1D*	*MW-OS-1S*
Depth:		*12-14 ft BGS*	*-*	*-*	*8-10 ft BGS*	*-*	*8-10 ft BGS*	*-*	*-*	*-*	*-*
Sample ID:		*GW-102302-MM-498*	*GW-030403-SP-886*	*GW-022603-SP-729*	*GW-101402-MM-423*	*GW-022503-SP-727*	*GW-101402-MM-426*	*GW-030403-SP-880*	*GW-030403-SP-887*	*GW-022403-SP-683*	*GW-022403-SP-682*
Sample Date:		*10/23/2002*	*3/4/2003*	*2/26/2003*	*10/14/2002*	*2/25/2003*	*10/14/2002*	*3/4/2003*	*3/4/2003*	*2/24/2003*	*2/24/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Metals											
Antimony	mg/L	ND (0.0020) U	--	--	ND (0.0020)	--	ND (0.0020) U	--	--	--	--
Arsenic	mg/L	ND (0.010)	--	--	0.0032 J	--	ND (0.010)	--	--	--	--
Barium	mg/L	0.042 J	--	--	0.19	--	0.068 J	--	--	--	--
Beryllium	mg/L	ND (0.0010)	--	--	ND (0.0010)	--	ND (0.0010)	--	--	--	--
Cadmium	mg/L	ND (0.00050) U	--	--	ND (0.00050)	--	ND (0.00050)	--	--	--	--
Chromium III (Trivalent)	mg/L	--	ND (0.020)	ND (0.020)	--	ND (0.020)	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Cobalt	mg/L	0.0050 J	--	--	ND (0.0070)	--	ND (0.0070)	--	--	--	--
Copper	mg/L	ND (0.025) U	--	--	ND (0.025) U	--	ND (0.025) U	--	--	--	--
Cyanide (total)	mg/L	ND (0.010)	--	--	ND (0.010)	--	ND (0.010)	--	--	--	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	ND (0.0030)	--	--	ND (0.0030)	--	ND (0.0030)	--	--	--	--
Manganese	mg/L	0.15	--	--	0.35	--	0.37	--	--	--	--
Mercury	mg/L	ND (0.00020)	--	--	ND (0.00020)	--	ND (0.00020)	--	--	--	--
Nickel	mg/L	0.017 J	0.038	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	99.7	0.013	ND (0.025)	ND (0.025)
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	ND (0.0050)	--	--	ND (0.0050)	--	ND (0.0050)	--	--	--	--
Silver	mg/L	ND (0.00050)	--	--	ND (0.00050)	--	ND (0.00050)	--	--	--	--
Thallium	mg/L	ND (0.0010)	--	--	ND (0.0010)	--	ND (0.0010)	--	--	--	--
Vanadium	mg/L	ND (0.0070)	--	--	ND (0.0070)	--	ND (0.0070)	--	--	--	--
Zinc	mg/L	ND (0.010) U	--	--	ND (0.010) U	--	ND (0.010) U	--	--	--	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--
General Chemistry											
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--
Field Parameters											
Conductivity Field	µmhos/cm	--	0.00171	0.00184	--	0.00189	--	0.00281	0.00145	0.00187	0.000633
Dissolved Oxygen	mg/L	--	0.40	0.87	--	0.41	--	0.51	1.15	0.58	3.07
Oxidation reduction potential	millivolts	--	109	5	--	-81	--	85	122	142	170
pH Field	s.u.	--	7.09	8.41	--	7.88	--	6.84	7.03	7.31	7.32
Temperature (Sample)	Deg C	--	10.14	10.97	--	8.41	--	10.86	8.72	8.74	7.59
Turbidity	NTU	--	4.32	4.49	--	1.78	--	4.77	2.68	1.97	0.6
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--

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RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-OS-2D*	*MW-OS-2S*	*MW-OS-3D*	*MW-OS-3D*	*MW-S-1S*	*MW-S-1S*	*MW-S-2S*	*MW-S-2S*	*MW-S-2S*	*MW-S-3S*
Depth:		-	-	-	-	-	*8-10 ft BGS*	-	*8-10 ft BGS*	*8-10 ft BGS*	-
Sample ID:		*GW-022403-SP-685*	*GW-022403-SP-684*	*GW-022403-SP-686*	*GW-022403-SP-687*	*GW-022603-SP-751*	*GW-100402-MM-312*	*GW-022603-SP-753*	*GW-100402-MM-314*	*GW-100402-MM-315*	*GW-022603-SP-755*
Sample Date:		*2/24/2003*	*2/24/2003*	*2/24/2003*	*2/24/2003*	*2/26/2003*	*10/4/2002*	*2/26/2003*	*10/4/2002*	*10/4/2002*	*2/26/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	--	--	--	--	--	0.017	--	0.003	0.003	--
1,1,2,2-Tetrachloroethane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,1,2-Trichloroethane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,1-Dichloroethane	mg/L	--	--	--	--	--	ND (0.001)	--	0.062	0.066	--
1,1-Dichloroethene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,2,4-Trichlorobenzene	mg/L	--	--	--	--	--	ND (0.005)	--	ND (0.01)	ND (0.012)	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,2-Dichlorobenzene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,2-Dichloroethane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,2-Dichloropropane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,3-Dichlorobenzene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
1,4-Dichlorobenzene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	--	--	--	--	ND (0.025)	--	ND (0.05)	ND (0.062)	--
2-Hexanone	mg/L	--	--	--	--	--	ND (0.05)	--	ND (0.1)	ND (0.12)	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	--	--	--	--	ND (0.05)	--	ND (0.1)	ND (0.12)	--
Acetone	mg/L	--	--	--	--	--	ND (0.025)	--	ND (0.05) U	ND (0.062) U	--
Benzene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Bromodichloromethane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Bromoform	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Bromomethane (Methyl Bromide)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Carbon disulfide	mg/L	--	--	--	--	--	ND (0.005)	--	ND (0.01)	ND (0.012)	--
Carbon tetrachloride	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Chlorobenzene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Chloroethane	mg/L	--	--	--	--	--	ND (0.001)	--	0.0031	0.0033	--
Chloroform (Trichloromethane)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Chloromethane (Methyl Chloride)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
cis-1,2-Dichloroethene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
cis-1,3-Dichloropropene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Cyclohexane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Dibromochloromethane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Dichlorodifluoromethane (CFC-12)	mg/L	--	--	--	--	--	ND (0.001) UJ	--	ND (0.002) UJ	ND (0.0025) UJ	--
Ethylbenzene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Isopropylbenzene	mg/L	--	--	--	--	--	ND (0.005)	--	ND (0.01)	ND (0.012)	--
Methyl acetate	mg/L	--	--	--	--	--	ND (0.01)	--	ND (0.02)	ND (0.025)	--
Methyl cyclohexane	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Methyl Tert Butyl Ether	mg/L	--	--	--	--	--	ND (0.005)	--	ND (0.01)	ND (0.012)	--
Methylene chloride	mg/L	--	--	--	--	--	ND (0.005)	--	ND (0.01)	ND (0.012)	--
Styrene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Tetrachloroethene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Toluene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
trans-1,2-Dichloroethene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
trans-1,3-Dichloropropene	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Trichloroethene	mg/L	--	--	--	--	--	ND (0.001)	--	0.0016 J	0.0016 J	--
Trichlorofluoromethane (CFC-11)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Trifluorotrichloroethane (Freon 113)	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Vinyl chloride	mg/L	--	--	--	--	--	ND (0.001)	--	ND (0.002)	ND (0.0025)	--
Xylene (total)	mg/L	--	--	--	--	--	ND (0.003)	--	ND (0.006)	ND (0.0075)	--
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-OS-2D*	*MW-OS-2S*	*MW-OS-3D*	*MW-OS-3D*	*MW-S-1S*	*MW-S-1S*	*MW-S-2S*	*MW-S-2S*	*MW-S-2S*	*MW-S-3S*
Depth:		*-*	*-*	*-*	*-*	*-*	*8-10 ft BGS*	*-*	*8-10 ft BGS*	*8-10 ft BGS*	*-*
Sample ID:		*GW-022403-SP-685*	*GW-022403-SP-684*	*GW-022403-SP-686*	*GW-022403-SP-687*	*GW-022603-SP-751*	*GW-100402-MM-312*	*GW-022603-SP-753*	*GW-100402-MM-314*	*GW-100402-MM-315*	*GW-022603-SP-755*
Sample Date:		*2/24/2003*	*2/24/2003*	*2/24/2003*	*2/24/2003*	*2/26/2003*	*10/4/2002*	*2/26/2003*	*10/4/2002*	*10/4/2002*	*2/26/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-OS-2D*	*MW-OS-2S*	*MW-OS-3D*	*MW-OS-3D*	*MW-S-1S*	*MW-S-1S*	*MW-S-2S*	*MW-S-2S*	*MW-S-2S*	*MW-S-3S*
Depth:		*-*	*-*	*-*	*-*	*-*	*8-10 ft BGS*	*-*	*8-10 ft BGS*	*8-10 ft BGS*	*-*
Sample ID:		*GW-022403-SP-685*	*GW-022403-SP-684*	*GW-022403-SP-686*	*GW-022403-SP-687*	*GW-022603-SP-751*	*GW-100402-MM-312*	*GW-022603-SP-753*	*GW-100402-MM-314*	*GW-100402-MM-315*	*GW-022603-SP-755*
Sample Date:		*2/24/2003*	*2/24/2003*	*2/24/2003*	*2/24/2003*	*2/26/2003*	*10/4/2002*	*2/26/2003*	*10/4/2002*	*10/4/2002*	*2/26/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Metals											
Antimony	mg/L	--	--	--	--	--	ND (0.0020) U	--	ND (0.0020) U	ND (0.0020) U	--
Arsenic	mg/L	--	--	--	--	--	ND (0.010)	--	ND (0.010)	ND (0.010)	--
Barium	mg/L	--	--	--	--	--	0.040 J	--	0.091 J	0.088 J	--
Beryllium	mg/L	--	--	--	--	--	ND (0.0010)	--	ND (0.0010)	ND (0.0010) U	--
Cadmium	mg/L	--	--	--	--	--	ND (0.00050)	--	ND (0.00050) U	ND (0.00050)	--
Chromium III (Trivalent)	mg/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	--	ND (0.020)	--	--	ND (0.020)
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050) U	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Cobalt	mg/L	--	--	--	--	--	0.00093 J	--	0.00092 J	0.0013 J	--
Copper	mg/L	--	--	--	--	--	ND (0.025) U	--	ND (0.025) U	ND (0.025) U	--
Cyanide (total)	mg/L	--	--	--	--	--	0.0042 J	--	ND (0.010)	ND (0.010)	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	--	ND (0.0060)	ND (0.0060)	--	ND (0.0030)	--	ND (0.0030)	ND (0.0030)	--
Manganese	mg/L	--	--	--	--	--	0.079	--	0.18	0.17	--
Mercury	mg/L	--	--	--	--	--	ND (0.00020)	--	ND (0.00020)	ND (0.00020)	--
Nickel	mg/L	ND (0.025)	ND (0.025)	60.9	57.8	ND (0.025)	ND (0.025)	0.019	ND (0.025) U	ND (0.025) U	23.9
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	--	--	--	--	ND (0.0050)	--	ND (0.0050)	ND (0.0050)	--
Silver	mg/L	--	--	--	--	--	ND (0.00050)	--	ND (0.00050)	ND (0.00050)	--
Thallium	mg/L	--	--	--	--	--	ND (0.0010)	--	ND (0.0010)	ND (0.0010)	--
Vanadium	mg/L	--	--	--	--	--	ND (0.0070)	--	ND (0.0070)	ND (0.0070)	--
Zinc	mg/L	--	--	--	--	--	ND (0.010) U	--	ND (0.012) U	ND (0.010) U	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--
General Chemistry											
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--
Field Parameters											
Conductivity Field	µmhos/cm	0.00279	0.0029	0.00264	0.00264	0.001442	--	0.001311	--	--	0.00285
Dissolved Oxygen	mg/L	0.92	1.30	0.25	0.25	1.12	--	0.32	--	--	0.35
Oxidation reduction potential	millivolts	138	138	20	20	-1	--	-121	--	--	107
pH Field	s.u.	7.31	7.30	6.83	6.83	7.31	--	7.38	--	--	8.21
Temperature (Sample)	Deg C	8.89	9.84	7.08	7.08	9.55	--	10.17	--	--	8.87
Turbidity	NTU	0.77	0.71	4.79	4.79	2.67	--	0.73	--	--	1.54
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-3S*	*MW-S-3S*	*MW-S-7S*	*MW-S-7S*	*MW-S-8D*	*MW-S-8S*	*MW-S-8S*	*MW-S-9S*	*MW-S-9S*	*MW-S-10D*
Depth:		*-*	*8-10 ft BGS*	*-*	*20.1-22.1 ft BGS*	*-*	*-*	*-*	*-*	*16.4-18.4 ft BGS*	*-*
Sample ID:		*GW-031303-DMD-755*	*GW-100802-MM-330*	*GW-030603-SP-973*	*GW-030603-SP-973*	*GW-030503-SP-945*	*GW-030503-SP-943*	*GW-030503-SP-944*	*GW-030603-SP-972*	*GW-030603-SP-972*	*GW-030503-SP-942*
Sample Date:		*3/13/2003*	*10/8/2002*	*3/6/2003*	*3/6/2003*	*3/5/2003*	*3/5/2003*	*3/5/2003*	*3/6/2003*	*3/6/2003*	*3/5/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	--	0.0026	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/L	--	0.012	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/L	--	ND (0.005)	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	ND (0.025) UJ	--	--	--	--	--	--	--	--
2-Hexanone	mg/L	--	ND (0.05) UJ	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	ND (0.05)	--	--	--	--	--	--	--	--
Acetone	mg/L	--	0.081 J	--	--	--	--	--	--	--	--
Benzene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Bromoform	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Carbon disulfide	mg/L	--	ND (0.005)	--	--	--	--	--	--	--	--
Carbon tetrachloride	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Chlorobenzene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Chloroethane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Cyclohexane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Ethylbenzene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/L	--	ND (0.005)	--	--	--	--	--	--	--	--
Methyl acetate	mg/L	--	ND (0.01)	--	--	--	--	--	--	--	--
Methyl cyclohexane	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Methyl Tert Butyl Ether	mg/L	--	ND (0.005)	--	--	--	--	--	--	--	--
Methylene chloride	mg/L	--	ND (0.005)	--	--	--	--	--	--	--	--
Styrene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Toluene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Trichloroethene	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Vinyl chloride	mg/L	--	ND (0.001)	--	--	--	--	--	--	--	--
Xylene (total)	mg/L	--	ND (0.003)	--	--	--	--	--	--	--	--
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-3S*	*MW-S-3S*	*MW-S-7S*	*MW-S-7S*	*MW-S-8D*	*MW-S-8S*	*MW-S-8S*	*MW-S-9S*	*MW-S-9S*	*MW-S-10D*
Depth:		*-*	*8-10 ft BGS*	*-*	*20.1-22.1 ft BGS*	*-*	*-*	*-*	*-*	*16.4-18.4 ft BGS*	*-*
Sample ID:		*GW-031303-DMD-755*	*GW-100802-MM-330*	*GW-030603-SP-973*	*GW-030603-SP-973*	*GW-030503-SP-945*	*GW-030503-SP-943*	*GW-030503-SP-944*	*GW-030603-SP-972*	*GW-030603-SP-972*	*GW-030503-SP-942*
Sample Date:		*3/13/2003*	*10/8/2002*	*3/6/2003*	*3/6/2003*	*3/5/2003*	*3/5/2003*	*3/5/2003*	*3/6/2003*	*3/6/2003*	*3/5/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-3S*	*MW-S-3S*	*MW-S-7S*	*MW-S-7S*	*MW-S-8D*	*MW-S-8S*	*MW-S-8S*	*MW-S-9S*	*MW-S-9S*	*MW-S-10D*
Depth:		*-*	*8-10 ft BGS*	*-*	*20.1-22.1 ft BGS*	*-*	*-*	*-*	*-*	*16.4-18.4 ft BGS*	*-*
Sample ID:		*GW-031303-DMD-755*	*GW-100802-MM-330*	*GW-030603-SP-973*	*GW-030603-SP-973*	*GW-030503-SP-945*	*GW-030503-SP-943*	*GW-030503-SP-944*	*GW-030603-SP-972*	*GW-030603-SP-972*	*GW-030503-SP-942*
Sample Date:		*3/13/2003*	*10/8/2002*	*3/6/2003*	*3/6/2003*	*3/5/2003*	*3/5/2003*	*3/5/2003*	*3/6/2003*	*3/6/2003*	*3/5/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*Dupl.*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Metals											
Antimony	mg/L	--	ND (0.0020) U	--	--	--	--	--	--	--	--
Arsenic	mg/L	--	ND (0.010)	--	--	--	--	--	--	--	--
Barium	mg/L	--	0.054 J	--	--	--	--	--	--	--	--
Beryllium	mg/L	--	ND (0.0010)	--	--	--	--	--	--	--	--
Cadmium	mg/L	--	ND (0.00050) U	--	--	--	--	--	--	--	--
Chromium III (Trivalent)	mg/L	ND (0.020)	--	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	--	ND (0.020)	ND (0.020)
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	--	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	--	0.0018	ND (0.0050)
Chromium Total (Dissolved)	mg/L	ND (0.0050)	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	--	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	--	ND (0.02)	ND (0.02)
Cobalt	mg/L	--	0.0065 J	--	--	--	--	--	--	--	--
Copper	mg/L	--	ND (0.025)	--	--	--	--	--	--	--	--
Cyanide (total)	mg/L	--	ND (0.010)	--	--	--	--	--	--	--	--
Iron	mg/L	0.042	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	ND (0.10)	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	ND (0.0030)	--	--	--	--	--	--	--	--
Manganese	mg/L	--	0.85	--	--	--	--	--	--	--	--
Mercury	mg/L	--	ND (0.00020)	--	--	--	--	--	--	--	--
Nickel	mg/L	--	39.8	--	17.5	17.1	0.0099	0.010	--	0.51	0.017
Nickel (Dissolved)	mg/L	16.4	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	ND (0.0050)	--	--	--	--	--	--	--	--
Silver	mg/L	--	ND (0.00050) UJ	--	--	--	--	--	--	--	--
Thallium	mg/L	--	ND (0.0010)	--	--	--	--	--	--	--	--
Vanadium	mg/L	--	ND (0.0070)	--	--	--	--	--	--	--	--
Zinc	mg/L	--	ND (0.010) U	--	--	--	--	--	--	--	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--
General Chemistry											
Nitrate (as N)	mg/L	1.6	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	754	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	4	--	--	--	--	--	--	--	--	--
Field Parameters											
Conductivity Field	µmhos/cm	--	--	0.00232	--	0.00239	0.00164	0.00164	0.00212	--	0.00233
Dissolved Oxygen	mg/L	--	--	0.56	--	0.20	0.68	0.68	0.26	--	0.18
Oxidation reduction potential	millivolts	--	--	178	--	-367	-33	-33	-195	--	43
pH Field	s.u.	--	--	7.09	--	6.56	6.73	6.73	7.05	--	6.87
Temperature (Sample)	Deg C	--	--	9.27	--	4.82	6.41	6.41	4.55	--	8.47
Turbidity	NTU	--	--	2.56	--	1.12	3.34	3.34	4.88	--	4.41
Bulk Density	pcf	--	--	--	--	--	--	--	--	--	--
Coarse Sand	%	--	--	--	--	--	--	--	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	--	--	--	--
Fine Sand	%	--	--	--	--	--	--	--	--	--	--
Medium Sand	%	--	--	--	--	--	--	--	--	--	--
Percent Moisture	%	--	--	--	--	--	--	--	--	--	--
Porosity	none	--	--	--	--	--	--	--	--	--	--
Specific gravity	none	--	--	--	--	--	--	--	--	--	--
Void Ratio	none	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-10S*	*MW-W-1D*	*MW-W-1D*	*MW-W-1S*	*MW-W-1S*	*MW-W-2D*	*MW-W-2D*	*MW-W-2S*	*MW-W-2S*	*OW-4D*
Depth:		*-*	*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*
Sample ID:		*GW-030503-SP-941*	*GW-022503-SP-723*	*GW-101802-MM-471*	*GW-022503-SP-722*	*GW-101802-MM-467*	*GW-022503-SP-724*	*GW-101802-MM-466*	*GW-022503-SP-721*	*GW-101802-MM-470*	*GW-022503-SP-725*
Sample Date:		*3/5/2003*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,1,2,2-Tetrachloroethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,1,2-Trichloroethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,1-Dichloroethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,1-Dichloroethene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,2,4-Trichlorobenzene	mg/L	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,2-Dichlorobenzene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,2-Dichloroethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,2-Dichloropropane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,3-Dichlorobenzene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
1,4-Dichlorobenzene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	--
2-Hexanone	mg/L	--	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	--
Acetone	mg/L	--	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	--
Benzene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Bromodichloromethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Bromoform	mg/L	--	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	--
Bromomethane (Methyl Bromide)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Carbon disulfide	mg/L	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--
Carbon tetrachloride	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Chlorobenzene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Chloroethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Chloroform (Trichloromethane)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Chloromethane (Methyl Chloride)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
cis-1,2-Dichloroethene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00047 J	0.00043	0.00076 J	--
cis-1,3-Dichloropropene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Cyclohexane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Dibromochloromethane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Dichlorodifluoromethane (CFC-12)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Ethylbenzene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Isopropylbenzene	mg/L	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--
Methyl acetate	mg/L	--	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	--
Methyl cyclohexane	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Methyl Tert Butyl Ether	mg/L	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--
Methylene chloride	mg/L	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	--
Styrene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Tetrachloroethene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Toluene	mg/L	--	0.0015	ND (0.001)	0.0018	ND (0.001)	0.0015	ND (0.001)	0.0025	ND (0.001)	--
trans-1,2-Dichloroethene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
trans-1,3-Dichloropropene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Trichloroethene	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Trichlorofluoromethane (CFC-11)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Trifluorotrichloroethane (Freon 113)	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Vinyl chloride	mg/L	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--
Xylene (total)	mg/L	--	ND (0.003)	ND (0.003)	0.00061	ND (0.003)	0.00077	ND (0.003)	0.00083	ND (0.003)	--
Semi-volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-10S*	*MW-W-1D*	*MW-W-1D*	*MW-W-1S*	*MW-W-1S*	*MW-W-2D*	*MW-W-2D*	*MW-W-2S*	*MW-W-2S*	*OW-4D*
Depth:		*-*	*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*
Sample ID:		*GW-030503-SP-941*	*GW-022503-SP-723*	*GW-101802-MM-471*	*GW-022503-SP-722*	*GW-101802-MM-467*	*GW-022503-SP-724*	*GW-101802-MM-466*	*GW-022503-SP-721*	*GW-101802-MM-470*	*GW-022503-SP-725*
Sample Date:		*3/5/2003*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/L	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/L	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Atrazine	mg/L	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Biphenyl	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Caprolactam	mg/L	--	--	--	--	--	--	--	--	--	--
Carbazole	mg/L	--	--	--	--	--	--	--	--	--	--
Chrysene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/L	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/L	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/L	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/L	--	--	--	--	--	--	--	--	--	--
Phenol	mg/L	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/L	--	--	--	--	--	--	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*MW-S-10S*	*MW-W-1D*	*MW-W-1D*	*MW-W-1S*	*MW-W-1S*	*MW-W-2D*	*MW-W-2D*	*MW-W-2S*	*MW-W-2S*	*OW-4D*
Depth:		*-*	*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*	*20-22 ft BGS*	*-*	*8-10 ft BGS*	*-*
Sample ID:		*GW-030503-SP-941*	*GW-022503-SP-723*	*GW-101802-MM-471*	*GW-022503-SP-722*	*GW-101802-MM-467*	*GW-022503-SP-724*	*GW-101802-MM-466*	*GW-022503-SP-721*	*GW-101802-MM-470*	*GW-022503-SP-725*
Sample Date:		*3/5/2003*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*	*10/18/2002*	*2/25/2003*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*	*RFI-STAGE I*	*RFI-STAGE II*
Matrix:		*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*	*WG*
	Units										
Metals											
Antimony	mg/L	--	--	ND (0.0020) U	--	ND (0.0020) U	--	ND (0.0020) U	--	ND (0.0020) U	--
Arsenic	mg/L	--	--	ND (0.010)	--	ND (0.010)	--	ND (0.010)	--	ND (0.010)	--
Barium	mg/L	--	--	0.12	--	0.083 J	--	0.15	--	0.090 J	--
Beryllium	mg/L	--	--	ND (0.0010)	--	ND (0.0010)	--	ND (0.0010)	--	ND (0.0010)	--
Cadmium	mg/L	--	--	ND (0.00050)	--	ND (0.00050)	--	ND (0.00050)	--	ND (0.00050)	--
Chromium III (Trivalent)	mg/L	ND (0.020)	ND (0.020)	--	ND (0.020)	--	ND (0.020)	--	ND (0.020)	--	ND (0.020)
Chromium Total	mg/L	0.0023	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Cobalt	mg/L	--	--	ND (0.0070)	--	0.0011 J	--	0.0012 J	--	ND (0.0070)	--
Copper	mg/L	--	--	ND (0.025)	--	ND (0.025)	--	ND (0.025)	--	ND (0.025)	--
Cyanide (total)	mg/L	--	--	ND (0.010)	--	ND (0.010)	--	ND (0.010)	--	ND (0.010)	--
Iron	mg/L	--	--	--	--	--	--	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	--	ND (0.0030)	--	ND (0.0030)	--	ND (0.0030)	--	ND (0.0030)	--
Manganese	mg/L	--	--	0.16	--	0.16	--	0.31	--	0.17	--
Mercury	mg/L	--	--	ND (0.00020)	--	ND (0.00020)	--	ND (0.00020)	--	ND (0.00020)	--
Nickel	mg/L	0.014	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	0.0032	ND (0.025)	ND (0.025)
Nickel (Dissolved)	mg/L	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	--	ND (0.0050)	--	ND (0.0050)	--	ND (0.0050)	--	ND (0.0050)	--
Silver	mg/L	--	--	ND (0.00050)	--	ND (0.00050)	--	ND (0.00050)	--	ND (0.00050)	--
Thallium	mg/L	--	--	ND (0.0010)	--	ND (0.0010)	--	ND (0.0010)	--	ND (0.0010)	--
Vanadium	mg/L	--	--	ND (0.0070)	--	ND (0.0070)	--	ND (0.0070)	--	ND (0.0070)	--
Zinc	mg/L	--	--	ND (0.010) U	--	ND (0.010) U	--	ND (0.010) U	--	ND (0.010) U	--
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--	--	--	--	--	--	--
General Chemistry											
Nitrate (as N)	mg/L	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/L	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--	--	--	--	--	--	--
Field Parameters											
Conductivity Field	µmhos/cm	0.001361	0.00276	--	0.00192	--	0.00227	--	0.00173	--	0.00156
Dissolved Oxygen	mg/L	0.72	1.14	--	0.30	--	0.27	--	0.57	--	5.74
Oxidation reduction potential	millivolts	135	10	--	-40	--	-33	--	-19	--	-4
pH Field	s.u.	6.72	7.30	--	7.45	--	7.47	--	7.4	--	8.28
Temperature (Sample)	Deg C	2.99	8.30	--	7.45	--	8.21	--	8.03	--	7.79
Turbidity	NTU	4.70	2.35	--	1.6	--	2.82	--	3.31	--	1.21
Bulk Density	pcf	--	--	--	--	--	--	103	--	--	--
Coarse Sand	%	--	--	--	--	--	--	7.2	--	--	--
Degree of Saturation	%	--	--	--	--	--	--	27	--	--	--
Fine Sand	%	--	--	--	--	--	--	44.8	--	--	--
Medium Sand	%	--	--	--	--	--	--	24.1	--	--	--
Percent Moisture	%	--	--	--	--	--	--	7.1	--	--	--
Porosity	none	--	--	--	--	--	--	0.41	--	--	--
Specific gravity	none	--	--	--	--	--	--	2.615	--	--	--
Void Ratio	none	--	--	--	--	--	--	0.7	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		***Southwestern Boundary***	***Southwestern Boundary***	***Southwestern Boundary***	***Southwestern Boundary***
Sample Location:		***OW-4S***	***OW-30***	***OW-31***	***OW-31***
Depth:		***-***	***-***	***-***	***12-14 ft BGS***
Sample ID:		***GW-022503-SP-726***	***GW-030403-SP-885***	***GW-022603-SP-757***	***GW-102302-MM-497***
Sample Date:		***2/25/2003***	***3/4/2003***	***2/26/2003***	***10/23/2002***
Sample Type:		***(Orig)***	***(Orig)***	***(Orig)***	***(Orig)***
Stage:		***RFI-STAGE II***	***RFI-STAGE II***	***RFI-STAGE II***	***RFI-STAGE I***
Matrix:		***WG***	***WG***	***WG***	***WG***
	Units				
Volatile Organic Compounds					
1,1,1-Trichloroethane	mg/L	--	--	--	ND (0.001)
1,1,2,2-Tetrachloroethane	mg/L	--	--	--	ND (0.001)
1,1,2-Trichloroethane	mg/L	--	--	--	ND (0.001)
1,1-Dichloroethane	mg/L	--	--	--	0.00036 J
1,1-Dichloroethene	mg/L	--	--	--	ND (0.001)
1,2,4-Trichlorobenzene	mg/L	--	--	--	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	--	--	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	--	--	--	ND (0.001)
1,2-Dichlorobenzene	mg/L	--	--	--	ND (0.001)
1,2-Dichloroethane	mg/L	--	--	--	ND (0.001)
1,2-Dichloropropane	mg/L	--	--	--	ND (0.001)
1,3-Dichlorobenzene	mg/L	--	--	--	ND (0.001)
1,4-Dichlorobenzene	mg/L	--	--	--	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	mg/L	--	--	--	ND (0.025)
2-Hexanone	mg/L	--	--	--	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	--	--	--	ND (0.05)
Acetone	mg/L	--	--	--	ND (0.025) U
Benzene	mg/L	--	--	--	ND (0.001)
Bromodichloromethane	mg/L	--	--	--	ND (0.001)
Bromoform	mg/L	--	--	--	ND (0.001)
Bromomethane (Methyl Bromide)	mg/L	--	--	--	ND (0.001)
Carbon disulfide	mg/L	--	--	--	ND (0.005)
Carbon tetrachloride	mg/L	--	--	--	ND (0.001)
Chlorobenzene	mg/L	--	--	--	ND (0.001)
Chloroethane	mg/L	--	--	--	ND (0.001)
Chloroform (Trichloromethane)	mg/L	--	--	--	ND (0.001)
Chloromethane (Methyl Chloride)	mg/L	--	--	--	ND (0.001)
cis-1,2-Dichloroethene	mg/L	--	--	--	ND (0.001)
cis-1,3-Dichloropropene	mg/L	--	--	--	ND (0.001)
Cyclohexane	mg/L	--	--	--	ND (0.001)
Dibromochloromethane	mg/L	--	--	--	ND (0.001)
Dichlorodifluoromethane (CFC-12)	mg/L	--	--	--	ND (0.001)
Ethylbenzene	mg/L	--	--	--	ND (0.001)
Isopropylbenzene	mg/L	--	--	--	ND (0.005)
Methyl acetate	mg/L	--	--	--	ND (0.01)
Methyl cyclohexane	mg/L	--	--	--	ND (0.001)
Methyl Tert Butyl Ether	mg/L	--	--	--	ND (0.005)
Methylene chloride	mg/L	--	--	--	ND (0.005)
Styrene	mg/L	--	--	--	ND (0.001)
Tetrachloroethene	mg/L	--	--	--	ND (0.001)
Toluene	mg/L	--	--	--	ND (0.001)
trans-1,2-Dichloroethene	mg/L	--	--	--	ND (0.001)
trans-1,3-Dichloropropene	mg/L	--	--	--	ND (0.001)
Trichloroethene	mg/L	--	--	--	ND (0.001)
Trichlorofluoromethane (CFC-11)	mg/L	--	--	--	ND (0.001)
Trifluorotrichloroethane (Freon 113)	mg/L	--	--	--	ND (0.001)
Vinyl chloride	mg/L	--	--	--	ND (0.001)
Xylene (total)	mg/L	--	--	--	ND (0.003)
Semi-volatile Organic Compounds					
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	--	--	--	--
2,4,5-Trichlorophenol	mg/L	--	--	--	--
2,4,6-Trichlorophenol	mg/L	--	--	--	--
2,4-Dichlorophenol	mg/L	--	--	--	--
2,4-Dimethylphenol	mg/L	--	--	--	--
2,4-Dinitrophenol	mg/L	--	--	--	--
2,4-Dinitrotoluene	mg/L	--	--	--	--
2,6-Dinitrotoluene	mg/L	--	--	--	--
2-Chloronaphthalene	mg/L	--	--	--	--
2-Chlorophenol	mg/L	--	--	--	--
2-Methylnaphthalene	mg/L	--	--	--	--
2-Methylphenol	mg/L	--	--	--	--
2-Nitroaniline	mg/L	--	--	--	--
2-Nitrophenol	mg/L	--	--	--	--
3,3'-Dichlorobenzidine	mg/L	--	--	--	--
3-Nitroaniline	mg/L	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*OW-4S*	*OW-30*	*OW-31*	*OW-31*
Depth:		*-*	*-*	*-*	*12-14 ft BGS*
Sample ID:		*GW-022503-SP-726*	*GW-030403-SP-885*	*GW-022603-SP-757*	*GW-102302-MM-497*
Sample Date:		*2/25/2003*	*3/4/2003*	*2/26/2003*	*10/23/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*WG*	*WG*	*WG*	*WG*
	Units				
4,6-Dinitro-2-methylphenol	mg/L	--	--	--	--
4-Bromophenyl phenyl ether	mg/L	--	--	--	--
4-Chloro-3-methylphenol	mg/L	--	--	--	--
4-Chloroaniline	mg/L	--	--	--	--
4-Chlorophenyl phenyl ether	mg/L	--	--	--	--
4-Methylphenol	mg/L	--	--	--	--
4-Nitroaniline	mg/L	--	--	--	--
4-Nitrophenol	mg/L	--	--	--	--
Acenaphthene	mg/L	--	--	--	--
Acenaphthylene	mg/L	--	--	--	--
Acetophenone	mg/L	--	--	--	--
Anthracene	mg/L	--	--	--	--
Atrazine	mg/L	--	--	--	--
Benzaldehyde	mg/L	--	--	--	--
Benzo(a)anthracene	mg/L	--	--	--	--
Benzo(a)pyrene	mg/L	--	--	--	--
Benzo(b)fluoranthene	mg/L	--	--	--	--
Benzo(g,h,i)perylene	mg/L	--	--	--	--
Benzo(k)fluoranthene	mg/L	--	--	--	--
Biphenyl	mg/L	--	--	--	--
bis(2-Chloroethoxy)methane	mg/L	--	--	--	--
bis(2-Chloroethyl)ether	mg/L	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/L	--	--	--	--
Butyl benzylphthalate	mg/L	--	--	--	--
Caprolactam	mg/L	--	--	--	--
Carbazole	mg/L	--	--	--	--
Chrysene	mg/L	--	--	--	--
Dibenz(a,h)anthracene	mg/L	--	--	--	--
Dibenzofuran	mg/L	--	--	--	--
Diethyl phthalate	mg/L	--	--	--	--
Dimethyl phthalate	mg/L	--	--	--	--
Di-n-butylphthalate	mg/L	--	--	--	--
Di-n-octyl phthalate	mg/L	--	--	--	--
Fluoranthene	mg/L	--	--	--	--
Fluorene	mg/L	--	--	--	--
Hexachlorobenzene	mg/L	--	--	--	--
Hexachlorobutadiene	mg/L	--	--	--	--
Hexachlorocyclopentadiene	mg/L	--	--	--	--
Hexachloroethane	mg/L	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/L	--	--	--	--
Isophorone	mg/L	--	--	--	--
Methylphenol (Cresol)	mg/L	--	--	--	--
Naphthalene	mg/L	--	--	--	--
Nitrobenzene	mg/L	--	--	--	--
N-Nitrosodi-n-propylamine	mg/L	--	--	--	--
N-Nitrosodiphenylamine	mg/L	--	--	--	--
Pentachlorophenol	mg/L	--	--	--	--
Phenanthrene	mg/L	--	--	--	--
Phenol	mg/L	--	--	--	--
Pyrene	mg/L	--	--	--	--

TABLE A.2

RFI GROUNDWATER SAMPLE RESULTS
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Area of Interest:		*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*	*Southwestern Boundary*
Sample Location:		*OW-4S*	*OW-30*	*OW-31*	*OW-31*
Depth:		*-*	*-*	*-*	*12-14 ft BGS*
Sample ID:		*GW-022503-SP-726*	*GW-030403-SP-885*	*GW-022603-SP-757*	*GW-102302-MM-497*
Sample Date:		*2/25/2003*	*3/4/2003*	*2/26/2003*	*10/23/2002*
Sample Type:		*(Orig)*	*(Orig)*	*(Orig)*	*(Orig)*
Stage:		*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE II*	*RFI-STAGE I*
Matrix:		*WG*	*WG*	*WG*	*WG*
	Units				
Metals					
Antimony	mg/L	--	--	--	ND (0.0020)
Arsenic	mg/L	--	--	--	0.0057 J
Barium	mg/L	--	--	--	0.14
Beryllium	mg/L	--	--	--	ND (0.0010)
Cadmium	mg/L	--	--	--	ND (0.00050)
Chromium III (Trivalent)	mg/L	ND (0.020)	ND (0.020)	ND (0.020)	--
Chromium Total	mg/L	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium Total (Dissolved)	mg/L	--	--	--	--
Chromium VI (Hexavalent)(Dissolved)	mg/L	ND (0.02)	ND (0.02)	0.006	0.007 B
Cobalt	mg/L	--	--	--	0.0030 J
Copper	mg/L	--	--	--	ND (0.025) U
Cyanide (total)	mg/L	--	--	--	0.0021 J
Iron	mg/L	--	--	--	--
Iron (Dissolved)	mg/L	--	--	--	--
Lead	mg/L	--	--	--	ND (0.0030)
Manganese	mg/L	--	--	--	0.43
Mercury	mg/L	--	--	--	ND (0.00020)
Nickel	mg/L	0.0032	436	0.020	0.017 J
Nickel (Dissolved)	mg/L	--	--	--	--
Selenium	mg/L	--	--	--	ND (0.0050)
Silver	mg/L	--	--	--	ND (0.00050)
Thallium	mg/L	--	--	--	ND (0.0010)
Vanadium	mg/L	--	--	--	ND (0.0070)
Zinc	mg/L	--	--	--	ND (0.010) U
PCBs					
Aroclor-1016 (PCB-1016)	mg/L	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/L	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/L	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/L	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/L	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/L	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/L	--	--	--	--
General Chemistry					
Nitrate (as N)	mg/L	--	--	--	--
Sulfate	mg/L	--	--	--	--
Total Organic Carbon (TOC)	mg/L	--	--	--	--
Field Parameters					
Conductivity Field	µmhos/cm	0.00214	0.00426	0.00317	--
Dissolved Oxygen	mg/L	0.87	0.64	0.28	--
Oxidation reduction potential	millivolts	3	112	-1	--
pH Field	s.u.	7.64	6.66	8.26	--
Temperature (Sample)	Deg C	4.58	9.73	7.57	--
Turbidity	NTU	0.66	2.02	3.63	--
Bulk Density	pcf	--	--	--	--
Coarse Sand	%	--	--	--	--
Degree of Saturation	%	--	--	--	--
Fine Sand	%	--	--	--	--
Medium Sand	%	--	--	--	--
Percent Moisture	%	--	--	--	--
Porosity	none	--	--	--	--
Specific gravity	none	--	--	--	--
Void Ratio	none	--	--	--	--

APPENDIX B

UIC NOTIFICATION LETTER

CONESTOGA-ROVERS
& ASSOCIATES

651 Colby Drive, Waterloo, Ontario, Canada N2V 1C2
Telephone: 519·884·0510 Facsimile: 519·884·0525
www.CRAworld.com

January 28, 2005

Reference No. 12607

Ms. Lisa Perenchio WU-16J
United States Environmental Protection Agency (USEPA)
Underground Injection Control Branch
77 W. Jackson Blvd.
Chicago, Illinois 60604-3590

Dear Ms. Perenchio:

Re: Underground Discharge System (Class V) Inventory Sheet
General Motors Corporation, 13000 Eckles Road, Livonia, Michigan

In accordance with 40 CFR 144.83, please find attached please find a completed "Underground Discharge System (Class V) Inventory Sheet" for up to 38 groundwater treatment injection wells located in Livonia, Michigan. Since the wells may fall within the definition of a well used in experimental technology, the following information is also provided:

a) location of well by township, range, section, and quarter-section. *The wells will be located in the City of Livonia, Township 1 South, Range 9 East, Section 30 Northeast quadrant;*
b) date of completion of each well. *Up to 38 injection wells will be completed;*
c) identification and depth of the underground formation(s)w into which each well is injecting. *The underground formation to be injected is a fine to medium grained sand;*
d) total depth of each well. *The injection wells will vary in depth between 12 and 20 feet;*
e) construction narrative and schematic (both plan view and cross-sectional drawings. *See attached;*
f) nature of injected fluids. *A minimum of two injections of up to 200 gallons each of a 2 percent solution of remediation grade potassium permanganate for treatment purposes will be injected into each well under gravity;*
g) average and maximum pressure at the well head. *The average and the maximum pressure will be atmospheric;*
h) average and maximum injection rate. *The average injection rate will vary per well. The solution will be injected into each well under gravity. It is expected that the average injection rate would be approximately 3-5 gallons per minute (gpm) and maximum injection rate would be approximately 10-15 gpm;* and
i) date of last inspection. *The wells have not yet been installed.*

The purpose is to remediate groundwater and soils impacted by chlorinated solvent contamination from historical on-site activities.

In order to continue ongoing remediation efforts at the Site, GM is anxious to complete this work as soon as possible. GM requests a response to this notification identifying whether GM can proceed with this work.

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Michael R. Tomka, P.E.

JMP/jh/5
Encl.

c.c.: Tom Matheson, USEPA
Cliff Lewis, GM
Jean Caufield, GM
James Reid, CRA
Ian K. Richardson, CRA

UNDERGROUND DISCHARGE SYSTEM (CLASS V) INVENTORY SHEET

1. **Name of facility:** General Motors Corporation, Livonia, Michigan

   Address of facility: 13000 Eckles Road

   City: Livonia **State:** Michigan **Zip:** 48150-1039

   County: USA **Location:** City of Livonia, Township 1 South, Range 9 East, Section 30, Northeast quadrant

2. **Name of Owner/Operator:** General Motors Corporation

   Address of Owner/Operator: Pontiac Centerpoint Campus, 2000 Centerpoint Parkway, Mail Code: 483-520-190, Pontiac, Michigan 48341-3147

   Contact Person: Cliff Lewis **Phone number:** (248) 753-5798

3. **Type and number of system(s):** **Drywell:** 0

   Septic system: 0 **Other:** Up to 38 - Class V Well

4. **Source of discharge:** The purpose of this discharge is to perform groundwater remediation. A minimum of two injections of up to 200 gallons each of potassium permanganate solution (2 percent) will be used in each injection wells. The solution will be injected under gravity into the well at an expected rate of approximately 3 to 5 gpm. The contamination to be treated consists of trichloroethylene caused by historic operations at this facility.

5. **Fluids discharged:** A maximum 2 percent solution of potassium permanganate.

6. **Treatment before discharge:** None.

UNDERGROUND DISCHARGE SYSTEM (CLASS V) INVENTORY SHEET

7. **Average flow**: 3 to 5 gpm **Maximum flow:** 10 to 15 gpm

Discharge approved by State? No. The UIC program is administered by EPA in Michigan under 40 CFR 144.83 (1999). We are not aware of any Michigan UIC requirements.

County? No. The UIC program is administered by EPA in Michigan under 40 CFR 144.83 (1999). We are not aware of any County UIC requirements

Others: No

Is this underground discharge system existing? No **Proposed?** Yes

Under construction? No **Does site have access to sewer hook-up?** Only Sanitary

8. Attach a sketch or map of site including the underground discharge system. (Figure 1).

Submitted by: Michael Tomka, P.E. Date: January 28, 2005

Title: Engineer, Conestoga-Rovers & Associates

Affiliation: Consultant

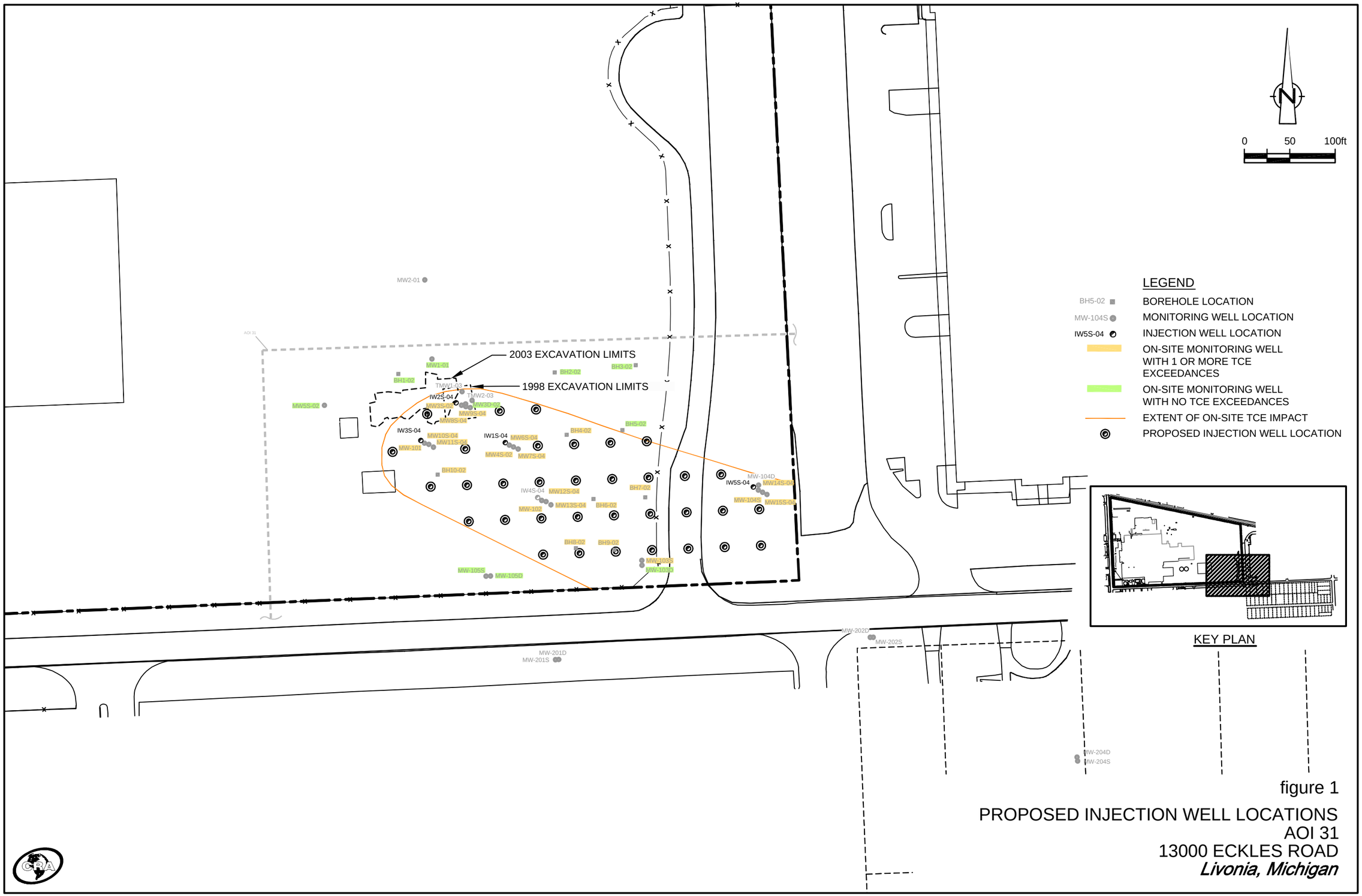


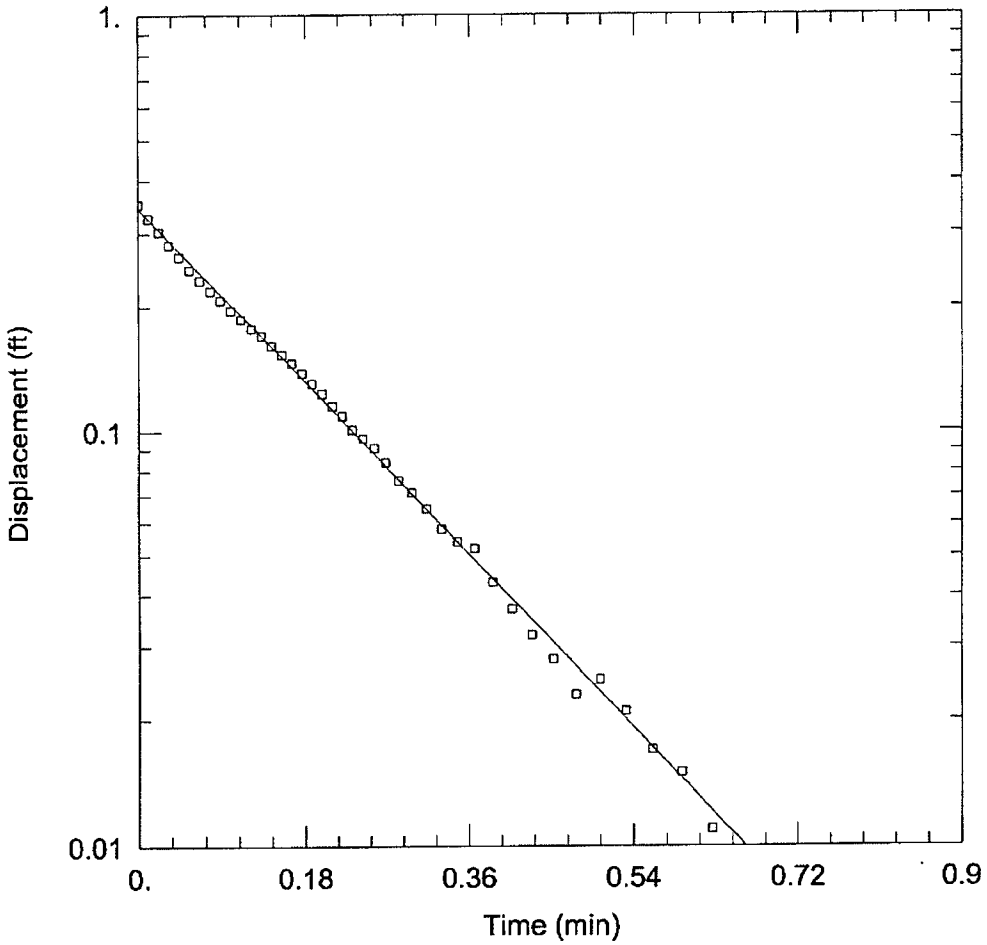
figure 1

PROPOSED INJECTION WELL LOCATIONS
AOI 31
13000 ECKLES ROAD
Livonia, Michigan

12607-225(042)GN-WA014 JAN 26/2005

APPENDIX C

SLUG TEST DATA



WELL TEST ANALYSIS

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW1RH1.aqt
Date: 08/05/04 Time: 14:45:39

PROJECT INFORMATION

Company: CRA

AQUIFER DATA

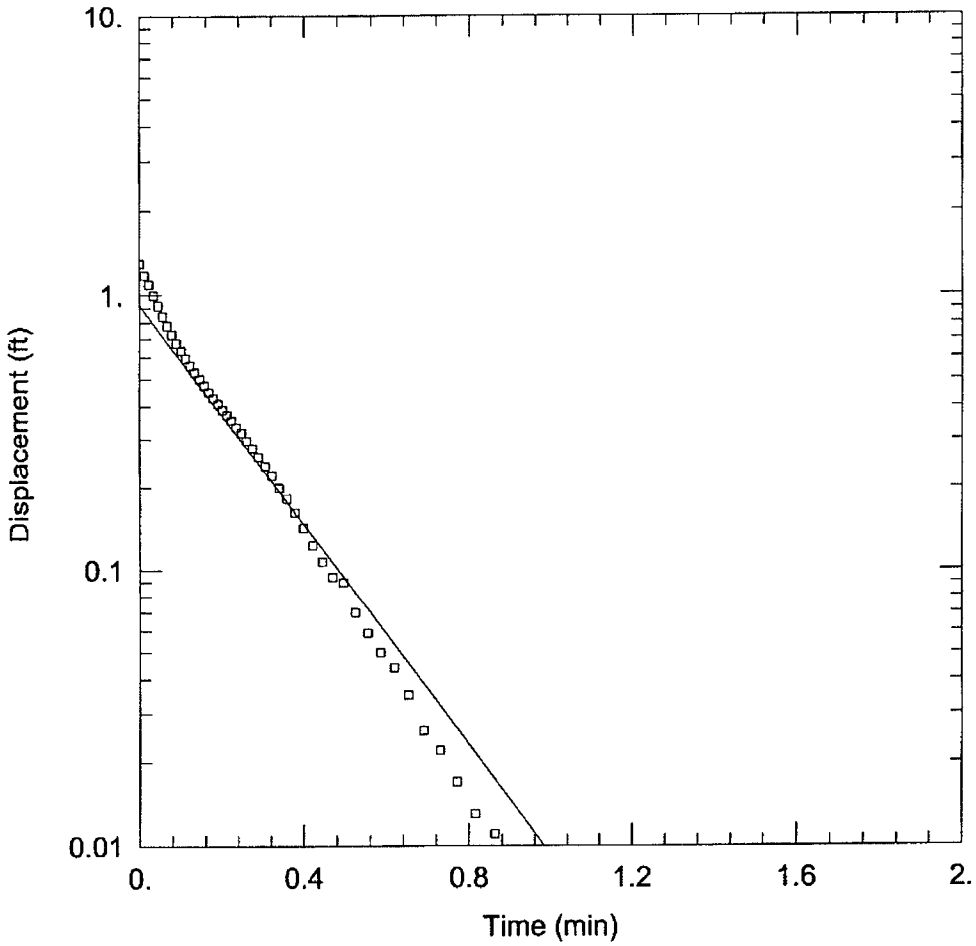
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW1S-04 RH1)

Initial Displacement: 0.351 ft
Total Well Penetration Depth: 7.86 ft
Casing Radius: 0.15 ft
Static Water Column Height: 7.86 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01329 ft/min
y0 = 0.345 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW1RH2.aqt
Date: 08/05/04 Time: 14:45:34

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

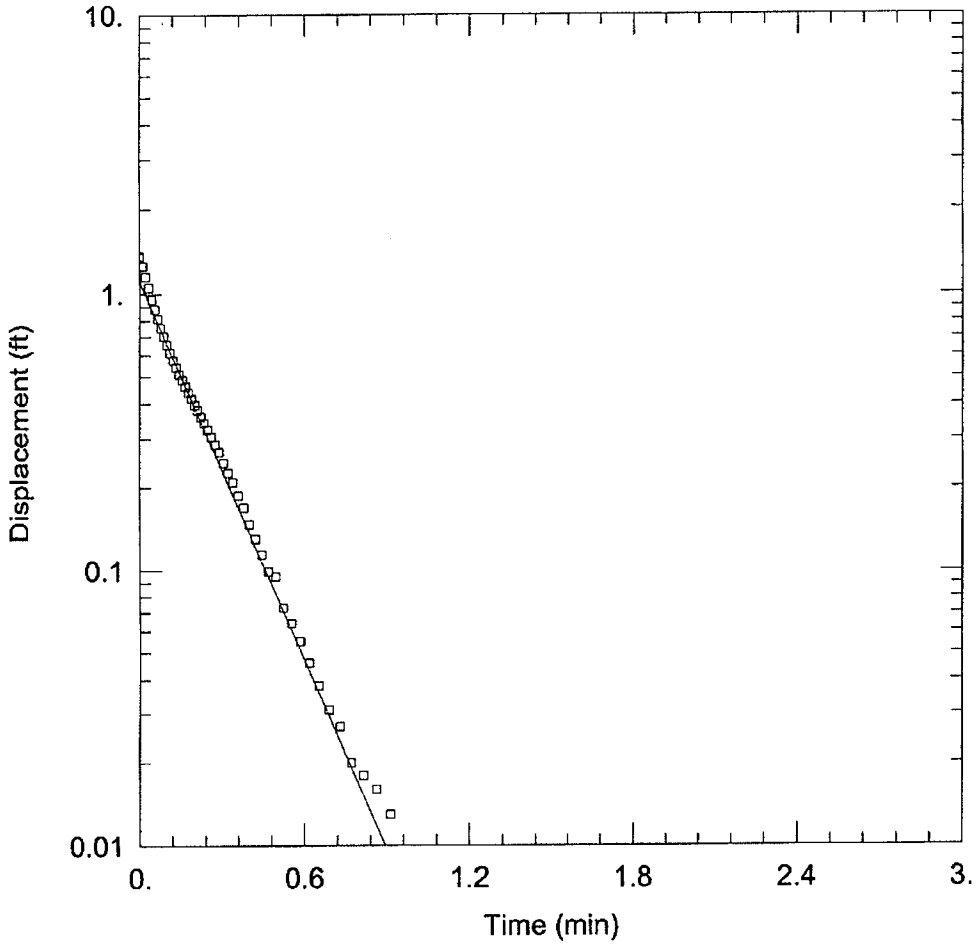
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW1S-04 RH2)

Initial Displacement: 1.294 ft
Total Well Penetration Depth: 7.85 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 7.85 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01238 ft/min
y0 = 0.923 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW1RH3.aqt
Date: 08/05/04 Time: 14:45:31

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

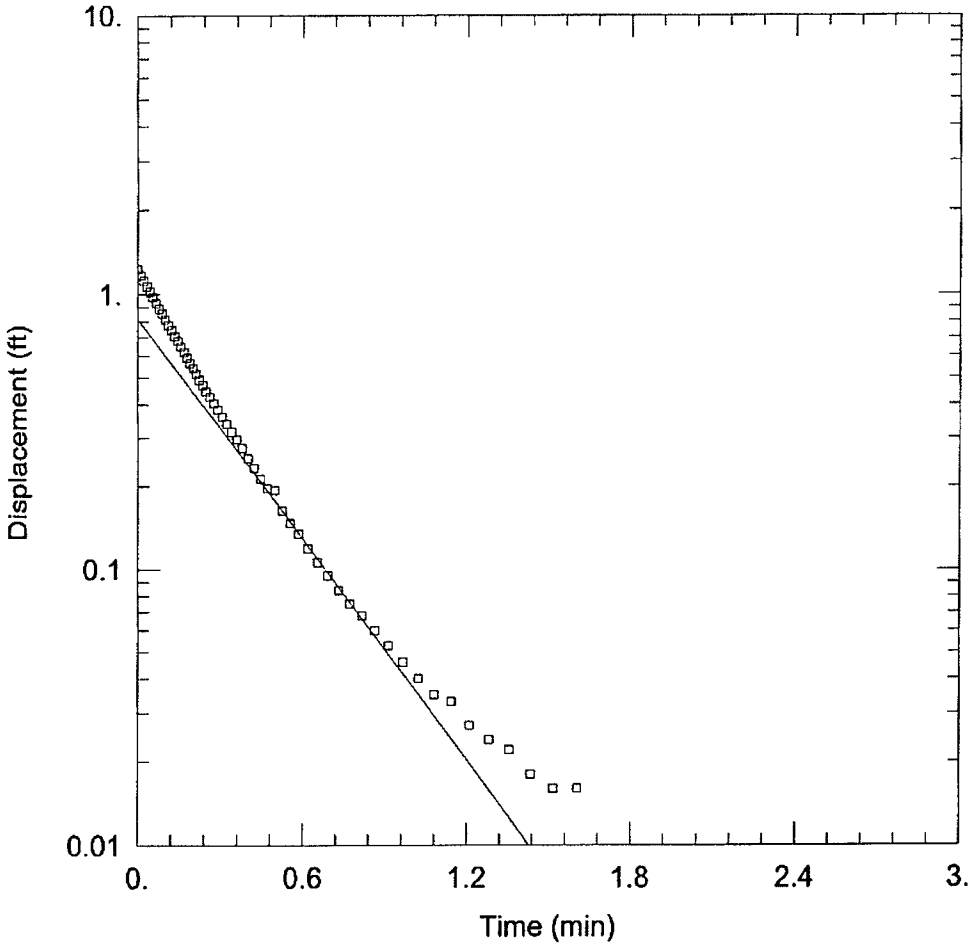
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW1S-04 RH3)

Initial Displacement: 1.356 ft
Total Well Penetration Depth: 7.85 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 7.85 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01416 ft/min
y0 = 1.114 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW2RH1.aqt
Date: 08/05/04 Time: 14:45:26

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

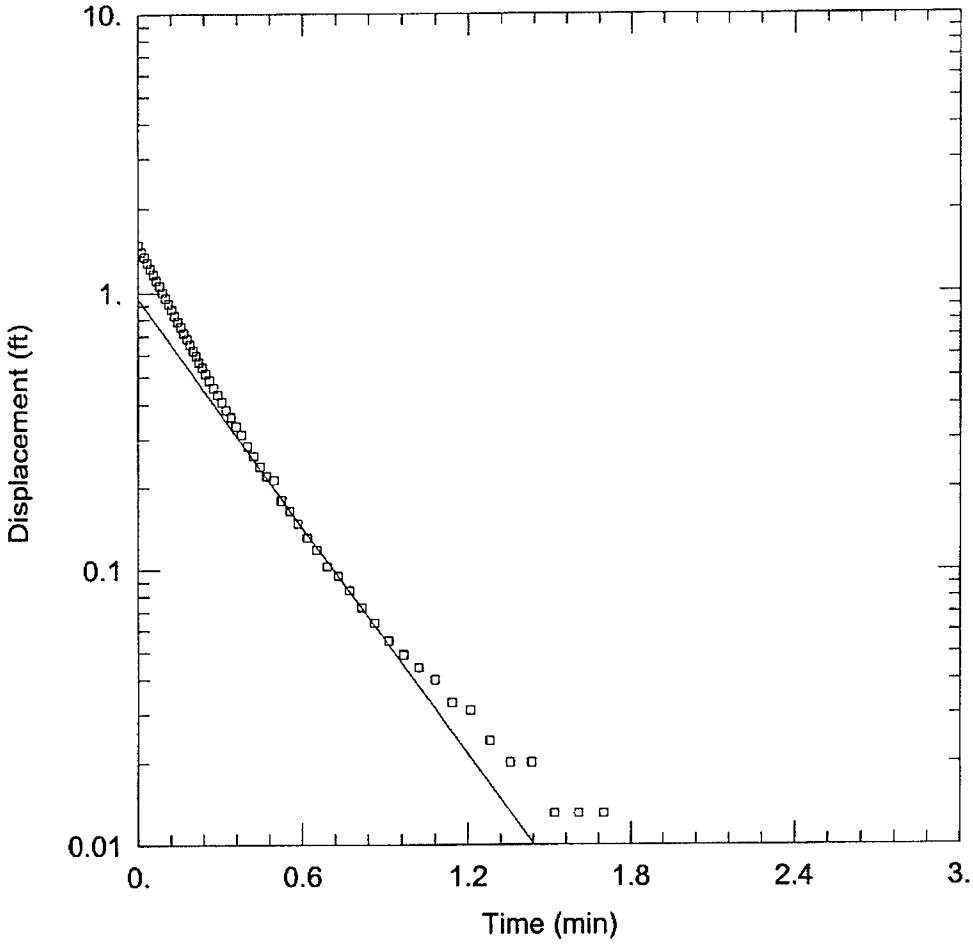
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW2S-04 RH1)

Initial Displacement: 1.227 ft
Total Well Penetration Depth: 10.18 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 10.18 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.008826 ft/min
y0 = 0.8174 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW2RH2.aqt
Date: 08/05/04 Time: 14:45:23

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

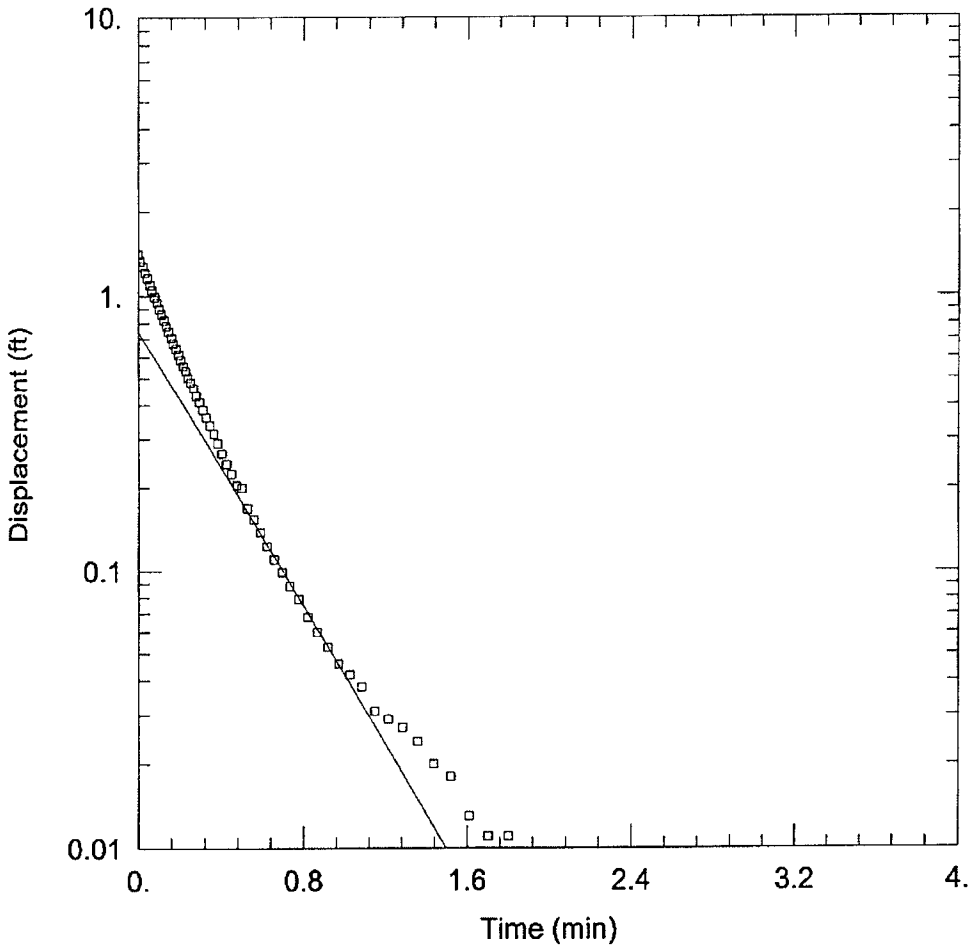
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW2S-04 RH2)

Initial Displacement: 1.477 ft
Total Well Penetration Depth: 10.18 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 10.18 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.009056 ft/min
y0 = 0.9549 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW2RH3.aqt
Date: 08/05/04 Time: 14:45:19

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

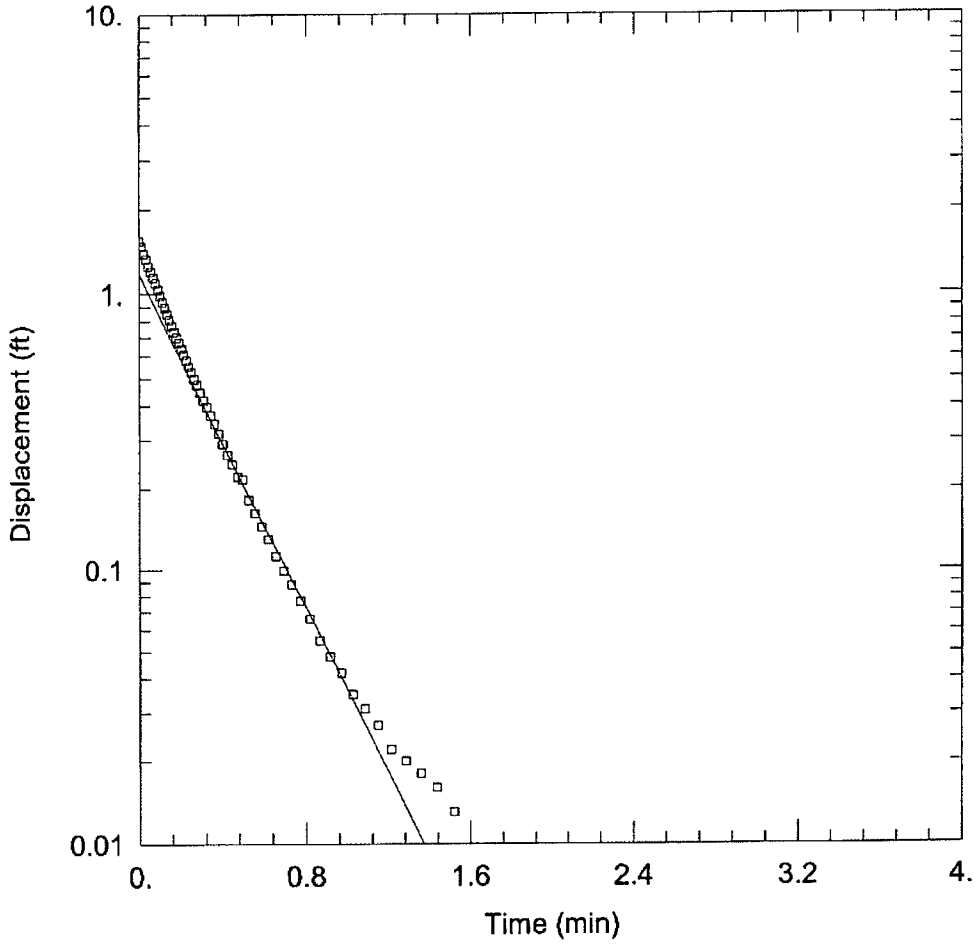
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW2S-04 RH3)

Initial Displacement: 1.4 ft
Total Well Penetration Depth: 10.18 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 10.18 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.008248 ft/min
y0 = 0.7443 ft



WELL TEST ANALYSIS

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW3RH1.aqt
Date: 08/05/04 Time: 14:45:16

PROJECT INFORMATION

Company: CRA

AQUIFER DATA

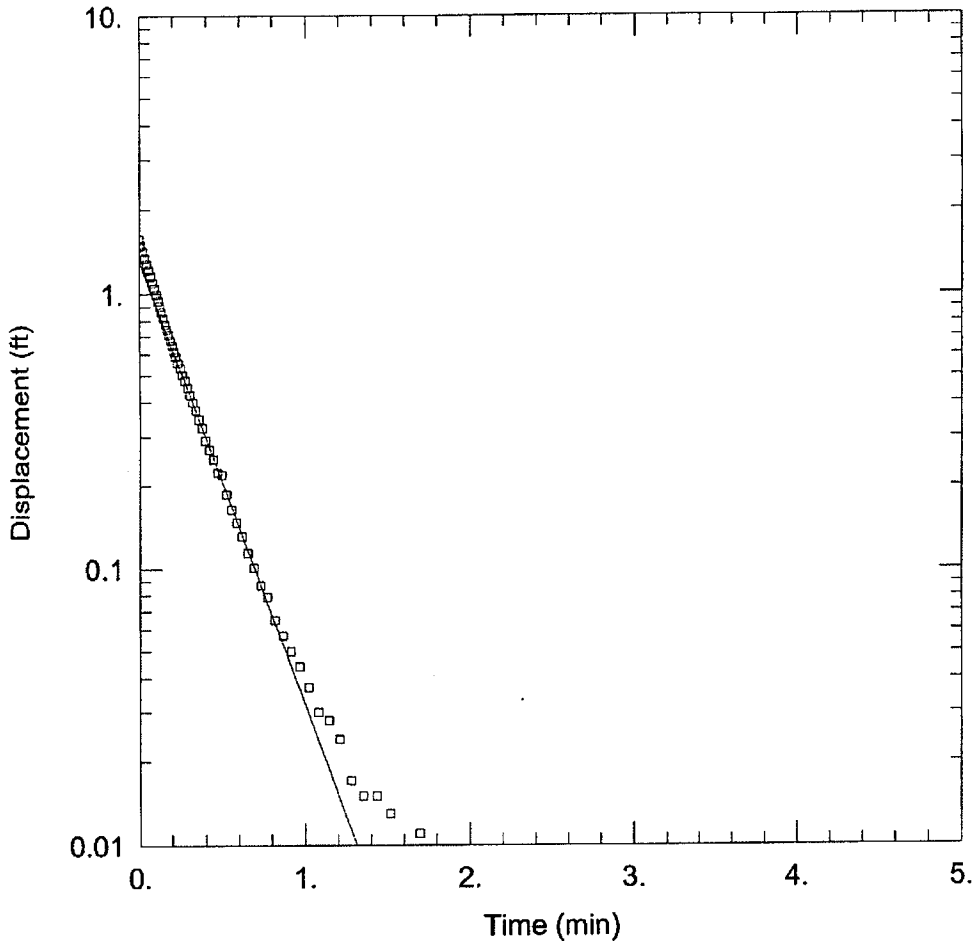
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW3S-04 RH1)

Initial Displacement: 1.544 ft
Total Well Penetration Depth: 7.77 ft
Casing Radius: 0.15 ft
Static Water Column Height: 7.77 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.008599 ft/min
y0 = 1.173 ft



WELL TEST ANALYSIS

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW3RH2.aqt
Date: 08/05/04 Time: 14:45:12

PROJECT INFORMATION

Company: CRA

AQUIFER DATA

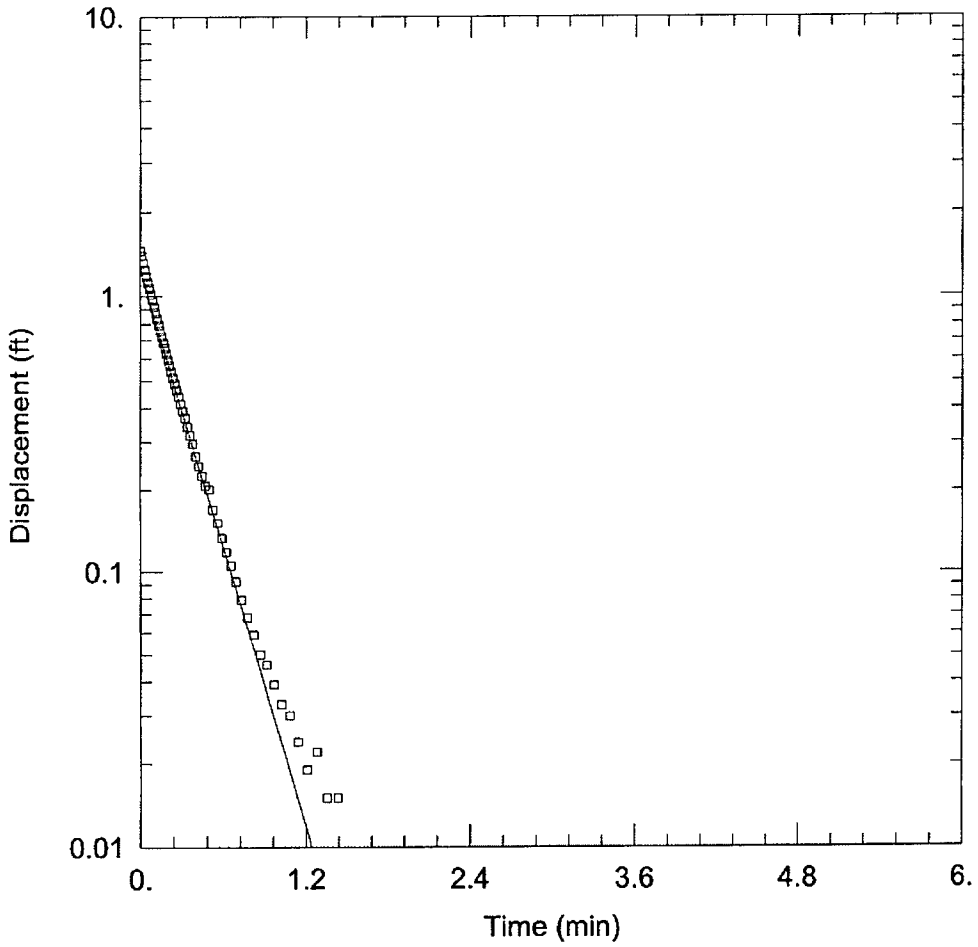
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW3S-04 RH2)

Initial Displacement: 1.472 ft
Total Well Penetration Depth: 7.77 ft
Casing Radius: 0.15 ft
Static Water Column Height: 7.77 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
K = 0.009184 ft/min
Solution Method: Bouwer-Rice
y0 = 1.309 ft



WELL TEST ANALYSIS

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW3RH3.aqt
Date: 08/05/04 Time: 14:45:09

PROJECT INFORMATION

Company: CRA

AQUIFER DATA

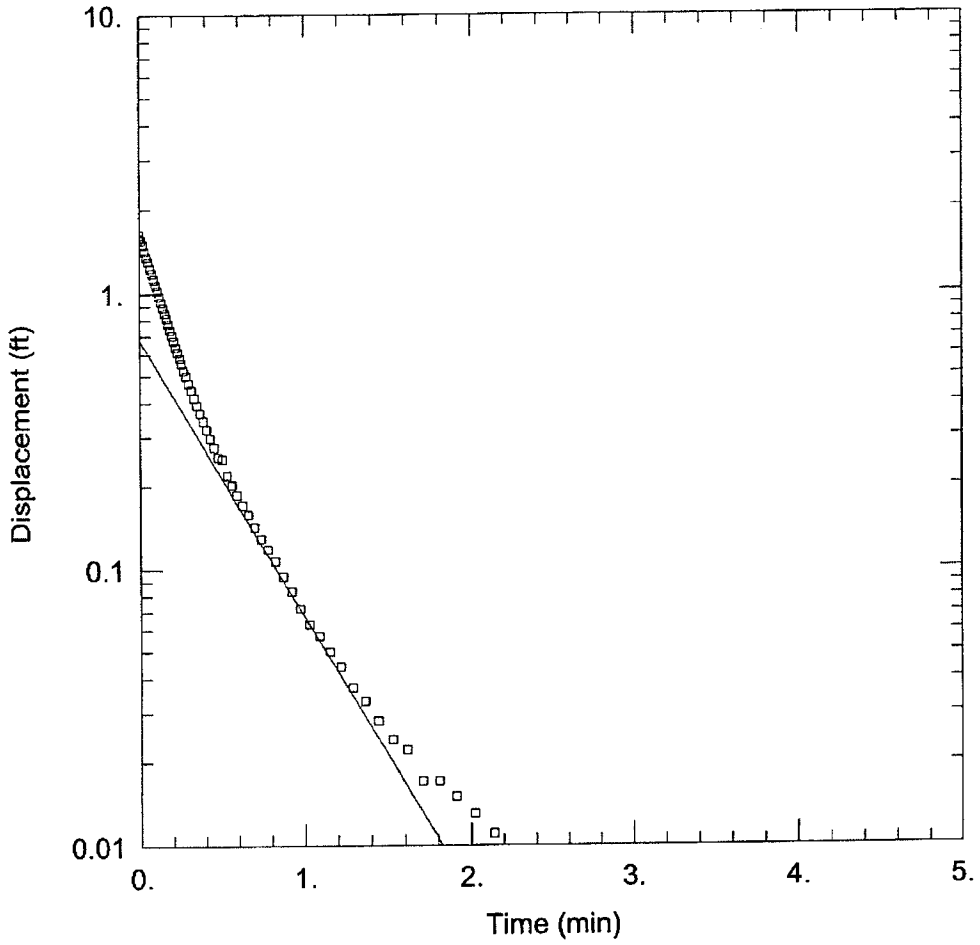
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW3 RH3)

Initial Displacement: 1.452 ft
Total Well Penetration Depth: 7.77 ft
Casing Radius: 0.15 ft
Static Water Column Height: 7.77 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.009599 ft/min
y0 = 1.243 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW4RH1.aqt
Date: 08/05/04 Time: 14:45:06

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

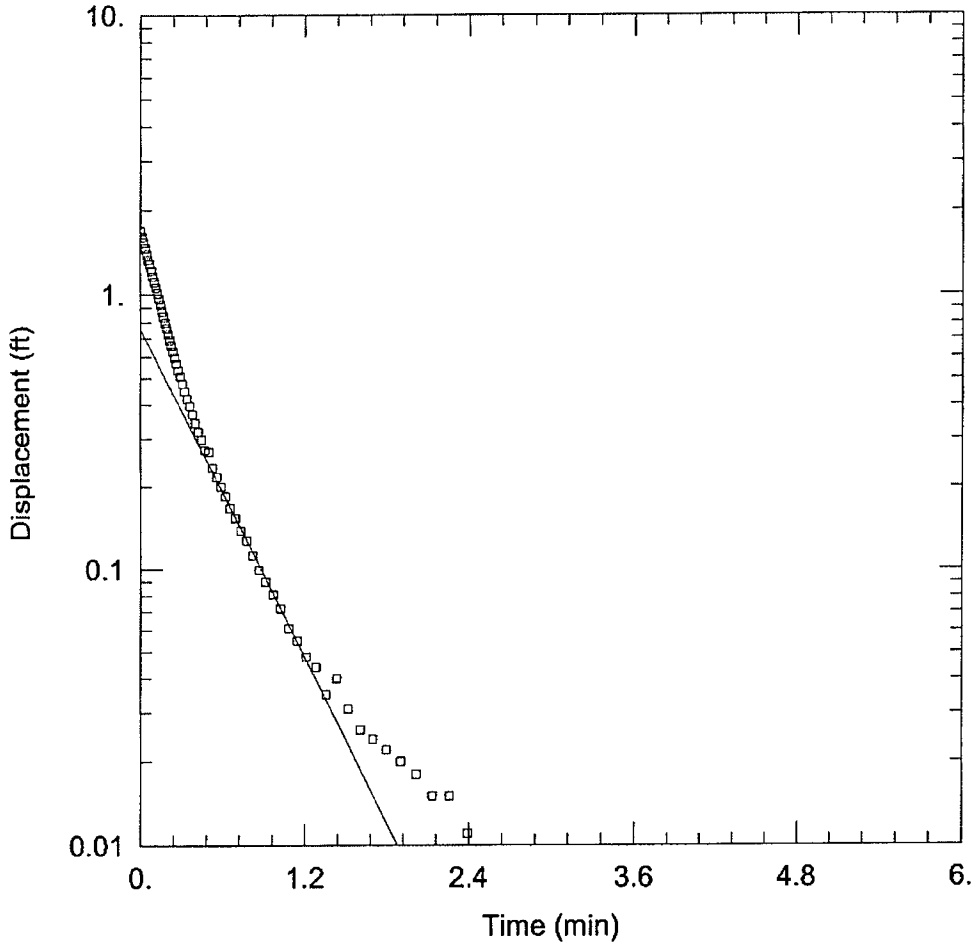
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW4S-04 RH1)

Initial Displacement: 1.576 ft
Total Well Penetration Depth: 5.91 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 5.91 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
K = 0.00576 ft/min
Solution Method: Bouwer-Rice
y0 = 0.6747 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW4RH2.aqt
Date: 08/05/04 Time: 14:44:59

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

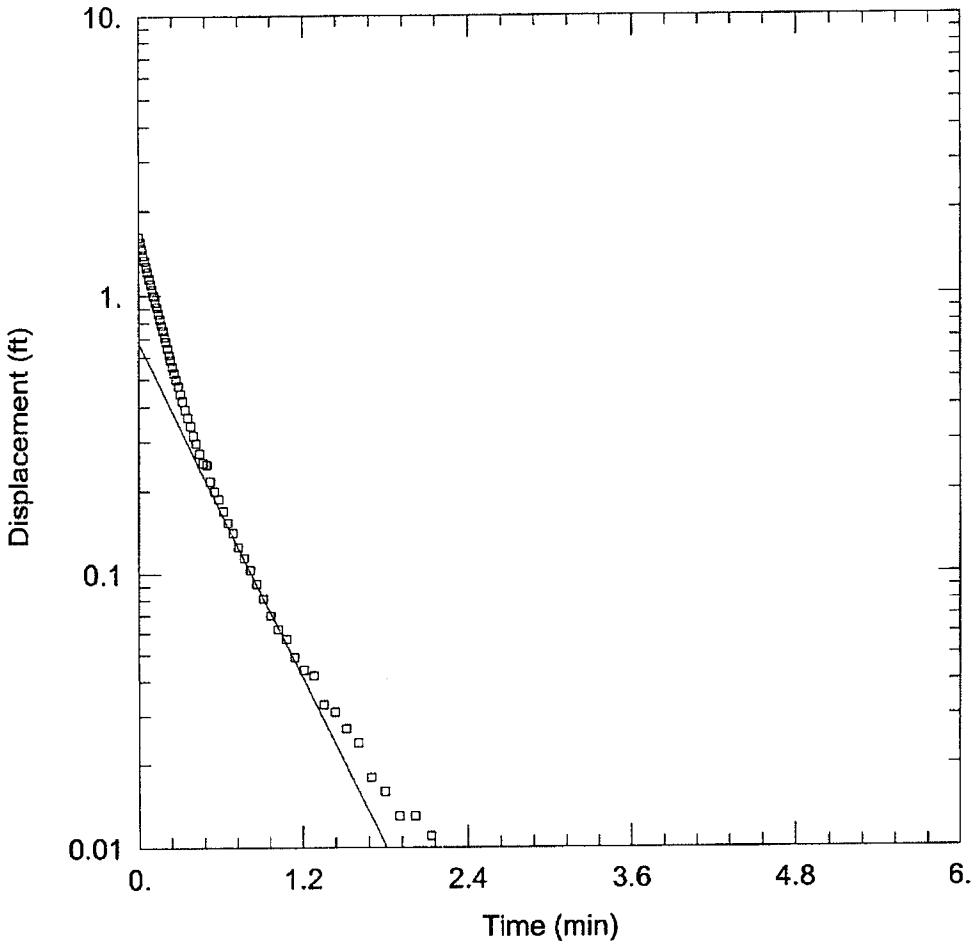
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW4S-04 RH2)

Initial Displacement: 1.684 ft
Total Well Penetration Depth: 5.91 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 5.91 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.005747 ft/min
y0 = 0.7555 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW4RH3.aqt
Date: 08/05/04 Time: 14:44:56

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

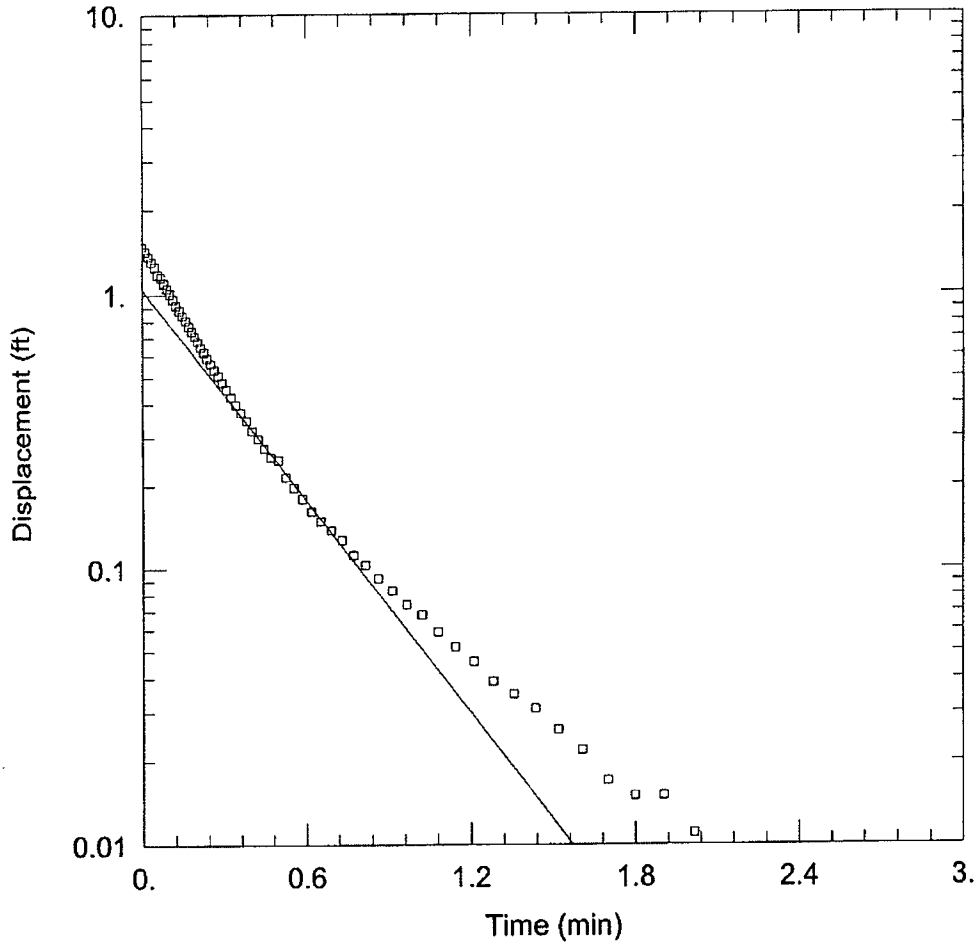
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW4S-04 RH3)

Initial Displacement: 1.609 ft
Total Well Penetration Depth: 5.91 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 5.91 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.005811 ft/min
y0 = 0.6774 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW5RH1.aqt
Date: 08/05/04 Time: 14:44:54

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

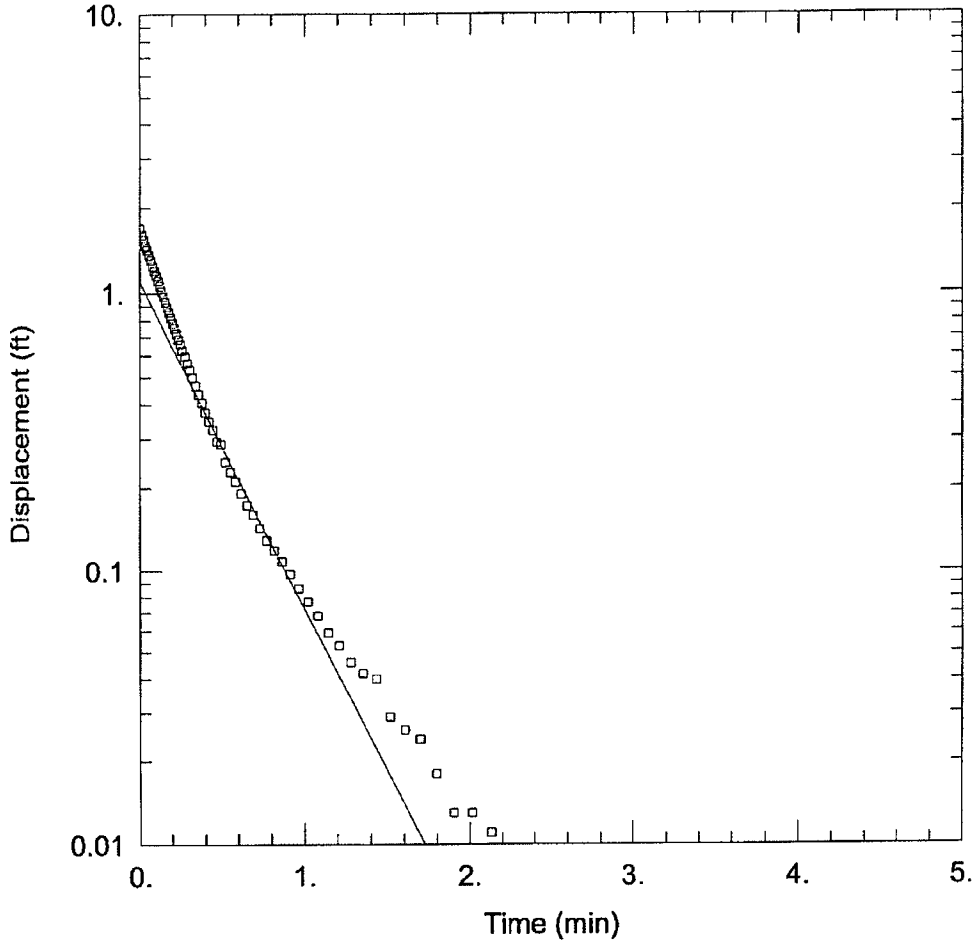
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW5S-04 RH1)

Initial Displacement: 1.482 ft
Total Well Penetration Depth: 5.74 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 5.74 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.00733 ft/min
y0 = 1.047 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW5RH2.aqt
Date: 08/05/04 Time: 14:44:51

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

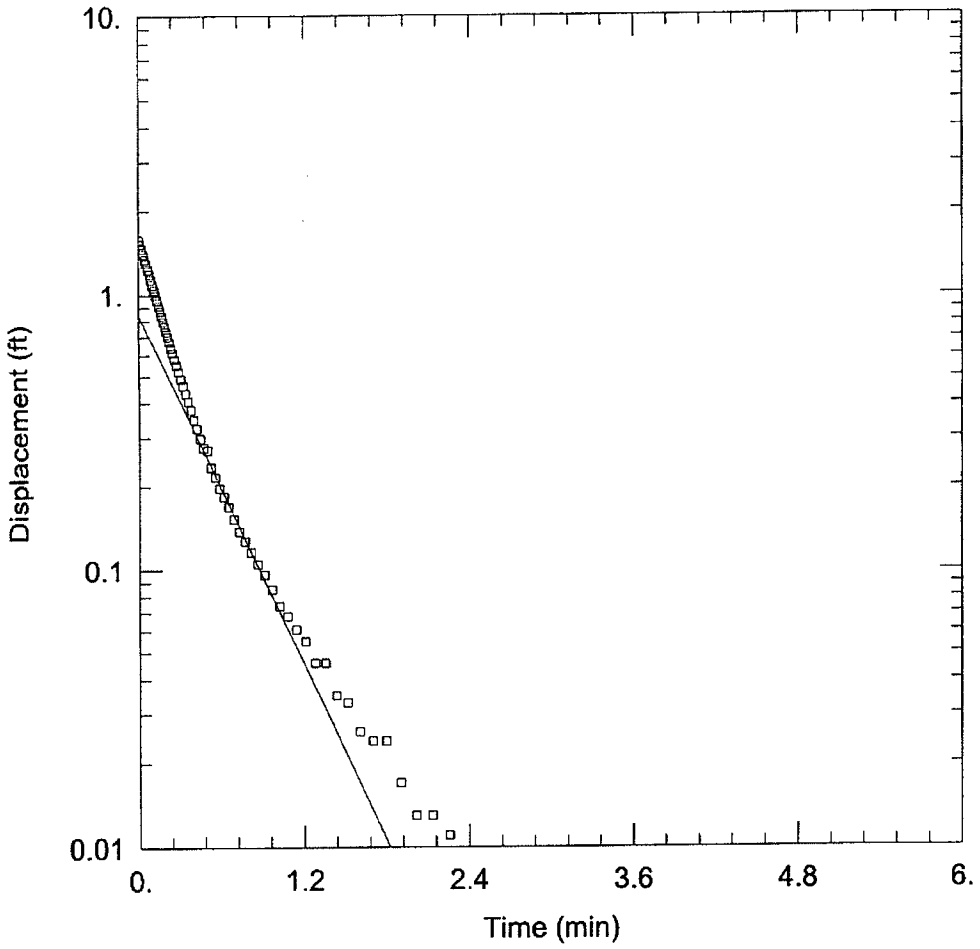
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW5S-04 RH2)

Initial Displacement: 1.693 ft
Total Well Penetration Depth: 5.74 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 5.74 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.006739 ft/min
y0 = 1.101 ft



RISING HEAD TEST

Data Set: I:\Transfer\12607Memo-172D\12607M-172-AttA\12607-MISC-SLUG-IW5RH3.aqt
Date: 08/05/04 Time: 14:44:47

PROJECT INFORMATION

Company: CRA
Client: ENCORE
Project: 12607-227
Location: Livonia, Michigan
Test Date: 7/29/04

AQUIFER DATA

Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (IW5S-04 RH3)

Initial Displacement: 1.576 ft
Total Well Penetration Depth: 5.74 ft
Casing Radius: 0.1667 ft
Static Water Column Height: 5.74 ft
Screen Length: 11. ft
Wellbore Radius: 0.333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.006007 ft/min
y0 = 0.8406 ft