

**RESOURCE CONSERVATION AND RECOVERY ACT
ENVIRONMENTAL INDICATOR CA750 REPORT
DETERMINATION OF MIGRATION OF
CONTAMINATED GROUNDWATER
UNDER CONTROL**

**GENERAL MOTORS CORPORATION
13000 ECKLES ROAD PROPERTY
LIVONIA, MICHIGAN**

EPA ID: MID 005 356 621

Prepared for

General Motors Corporation
Pontiac, Michigan

Prepared by

ENVIRON International Corporation
Princeton, New Jersey

October 28, 2004

C O N T E N T S

1.0 INTRODUCTION.....	1-1
1.1 Background.....	1-1
1.2 Report Organization.....	1-2
2.0 MIGRATION OF CONTAMINATED GROUNDWATER UNDER CONTROL.....	2-1
2.1 Information Reviewed	2-1
2.2 Presence of Contaminated Groundwater	2-1
2.3 Existing Area of Contaminated Groundwater.....	2-4
2.4 Discharge to Surface Water Bodies	2-7
2.5 Future Monitoring.....	2-7
2.6 Conclusion	2-8
3.0 REFERENCES.....	3-1

P l a n s

Plan 1	Site Plan Showing AOIs and Sampling Locations
Plan 2	Analytical Results of Groundwater Samples – Area 1
Plan 3	Analytical Results of Groundwater Samples – Area 2, AOIs 19, 24, 27, 28, and 30
Plan 4	Analytical Results of Groundwater Samples – AOIs 2, 5, 21, and 22
Plan 5	Analytical Results of Groundwater Samples – General, AOI 33, and AOI 39
Plan 6	Analytical Results of Groundwater Samples – Site-wide VOCs
Plan 7	Analytical Results of Downgradient Boundary Groundwater Samples
Plan 8	Analytical Results of Groundwater Samples – AOI 31

F i g u r e s

Figure 1	Upgradient VOC Contours – Shallow Wells
Figure 2	On-Site Vinyl Chloride Contours – Shallow Wells
Figure 3	Upgradient Vinyl Chloride Contours – Deep Wells
Figure 4	On-Site Vinyl Chloride Contours – Deep Wells
Figure 5	Nickel Contours – Shallow Wells
Figure 6	Nickel Contours – Deep Wells
Figure 7	Chromium VI Contours – Shallow Wells
Figure 8	Chromium VI Contours – Deep Wells
Figure 9	TCE Contours – Shallow Wells
Figure 10	Groundwater Contours – Shallow Wells
Figure 11	Groundwater Contours – Deep Wells

Tables

Table 2-1	On-Site Groundwater Screening Results
Table 2-2	Off-Site Groundwater Screening Results
Table 2-3	On-Site Groundwater Concentrations Exceeding Screening Criteria
Table 2-4	Off-Site Groundwater Concentrations Exceeding Screening Criteria

Appendices

Appendix A	CA750 Form
Appendix B	Summary of Additional RFI Groundwater Data
Appendix C	Summary of Upgradient Groundwater Data

1.0 INTRODUCTION

1.1 Background

This Resource Conservation and Recovery Act (RCRA) Environmental Indicator (EI) CA750 Report was prepared to fulfill provisions under Section V.2.a of the performance-based Corrective Action Agreement (Agreement) for the General Motors Corporation (GM) site located at 13000 Eckles Road in Livonia, Michigan (hereafter referred to as the "Site"). The Site's EPA Identification Number is MID 005 356 621. The United States Environmental Protection Agency (USEPA) and GM signed the Agreement to streamline RCRA Corrective Action at the Site. The Agreement, effective on October 16, 2001, includes goals for completing the Corrective Action EI determinations for current human exposures (CA725) and migration of contaminated groundwater (CA750) by November 28, 2003 and October 28, 2004, respectively. During a project review meeting on February 4, 2003, USEPA and GM agreed to extend the date for completing the CA725 determination to February 26, 2004. GM submitted an Environmental Indicator CA725 Report to USEPA and the Michigan Department of Environmental Quality (MDEQ) on February 25, 2004.

Under Section V.2 of the Agreement, GM performed activities to characterize the nature and extent of releases of hazardous waste and/or hazardous constituents at the Site. These activities included preparation of a Current Conditions Report (CRA 2002a), which was submitted to and reviewed with USEPA and MDEQ, that identified 38 areas of interest (AOIs) at the Site, and described the physical conditions, historical operations, and any previous investigation or remedial action at each AOI. The AOIs included all the solid waste management units (SWMUs) and areas of concern (AOCs) identified in USEPA's October 1992 Preliminary Assessment/Visual Site Inspection report, and other areas at the Site for which GM has knowledge of past management of hazardous waste or hazardous constituents. The Current Conditions Report evaluated each AOI and identified those where additional investigation was warranted. Rationale for not further investigating other AOIs was also provided in the Current Conditions Report.

Based on the information presented in the Current Conditions Report, GM identified 18 of the 38 AOIs for further investigation, and prepared RCRA Facility Investigation (RFI) Work Plans and addenda (i.e., sampling matrices) (CRA 2002b, 2002c, 2002d, 2002e, 2003a, 2003b, 2003c, 2003d, 2004a, and 2004c) that described the objectives, approach, rationale, and procedures for

these investigations. During the RFI field investigations, additional areas were identified for investigation, which brought the number of areas for field investigation to a total of 19 as discussed in Section 2.2.1 of the RFI Report (CRA 2004b).

The objective of the RFI field investigations was to collect data for determining whether a significant release of hazardous constituents had occurred at each area, to delineate the extent of any release, and to determine whether the release poses unacceptable risk under current and reasonably expected future land use or has adversely affected groundwater quality. The RFI sampling locations are shown on Plan 1 of the RFI Report, which also shows the boundaries of the areas investigated during the RFI.

The RFI Work Plans and addenda were submitted to and reviewed with USEPA prior to their implementation. The field investigations were conducted in accordance with these work plans and addenda, except where field conditions necessitated changes as discussed in the RFI Report. After each stage of investigation, the data were presented to USEPA and MDEQ along with any recommendations for further work. The data collected during the RFI (Stages I through V) and details of the data collection activities are provided in the RFI Report.

Additional groundwater monitoring was conducted in February 2004 (RFI Stage VI) to provide more recent data to support the CA750 determination. These data were not available during preparation of the RFI Report, but are included in this report and also will be included in a future addendum to the RFI Report.

The purpose of this CA 750 Report is to present an evaluation of the information that is pertinent to determining whether migration of contaminated groundwater at or from the Site is under control.

1.2 Report Organization

The EI Report is organized as follows:

- Section 2 provides an evaluation of the groundwater monitoring data collected during the RFI at the Site with respect to the CA750 determination. The evaluation and discussion are organized to follow USEPA's CA750 form (Interim Final 2/5/99).
- Section 3 lists the references cited in this EI Report.

Plans, Figures, and Tables are found at the end of the text. Appendix A provides a CA750 form that has been completed based on the discussion in this report. Groundwater monitoring data

that were collected during Stage VI of the RFI are provided in Appendix B. Recent groundwater monitoring data collected by MDEQ for a property immediately upgradient of the Site is provided in Appendix C.

2.0 MIGRATION OF CONTAMINATED GROUNDWATER UNDER CONTROL

2.1 Information Reviewed

Question 1 of the CA750 form asks whether all relevant information on known and reasonably suspected releases subject to RCRA corrective action has been considered in making the EI determination.

All relevant information on known or reasonably suspected releases has been considered in preparing this report. Specifically, information from the following sources was reviewed to support the evaluation of whether migration of contaminated groundwater at the Site is under control:

- Current Conditions Report (CRA 2002a)
- RFI Work Plans and addenda (i.e., sampling matrices) (CRA 2002b, 2002c, 2002d, 2002e, 2003a, 2003b, 2003c, 2003d, 2004a, and 2004c)
- RFI Report (CRA 2004b)
- EI CA725 Report (ENVIRON 2004)

The above reports have been submitted to USEPA and MDEQ. Groundwater monitoring data collected during Stage VI of the RFI, included in Appendix B of this report, also have been evaluated. This data also will be included in a future addendum to the RFI Report.

2.2 Presence of Contaminated Groundwater

Question 2 of the CA750 form asks whether groundwater is known or reasonably suspected to be "contaminated" above appropriately protective levels from releases subject to RCRA corrective action. According to the CA750 form:

“Contamination” and “contaminated” describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate “levels” (appropriate for the protection of the groundwater resource and its beneficial uses).

In this report, the presence of “contamination” is identified based on comparison of Site characterization data for groundwater with conservative screening criteria. The screening criteria used in the comparisons and the comparison results are discussed in this section.

The data used in the comparisons do not include data determined to be not usable during data validation (i.e., R-qualified data). Concentrations qualified as estimated (e.g., J-qualified data) are included, and concentrations from duplicate samples have been averaged to obtain a representative concentration for each duplicate pair. The analytical data for all samples (including those for constituents not detected, R-qualified data, and data for individual samples in duplicate pairs) are in Appendix D of the RFI Report. Additional data collected during Stage VI of the RFI are summarized in Appendix B of this report, and also will be included with a future addendum to the RFI Report.

Groundwater quality data from on-site and off-site monitoring wells collected during the RFI to date are summarized on Tables 2-1 and 2-2, respectively. The locations of these wells are shown on Plan 1, which also shows the locations of the AOIs. Groundwater data were collected from on-site and off-site monitoring wells that are screened in either the shallow portion (generally 6 to 16 feet below ground surface [bgs]) or the deep portion (generally 20 to 30 feet bgs) of the upper-most aquifer underlying the Site.

Tables 2-1 and 2-2 show the constituents detected, their detection frequencies and range of detected concentrations among either the on-site or off-site monitoring wells, and the ratios of the highest measured concentrations to the screening criteria. The screening criteria for the on-site groundwater data are the Michigan Part 201 groundwater contact criteria, the industrial drinking water criteria (MDEQ 2002), and site-specific industrial groundwater vapor intrusion criteria. The screening criteria for the off-site groundwater data are the Michigan Part 201 groundwater contact criteria, the residential drinking water criteria (MDEQ 2002), and site-specific residential groundwater vapor intrusion criteria. The site-specific volatilization to indoor air criteria are based on site-specific soil conditions and MDEQ default assumptions for industrial and residential buildings. Derivation of these site-specific criteria is also discussed in Appendix F of the RFI Report. These criteria are the same as those used in the evaluation of the RFI data in the RFI Report (CRA 2004b), and in the CA725 determination of current human exposures under control (ENVIRON 2004).

Groundwater that meets the definition of “contaminated” is identified on Tables 2-1 and 2-2 by comparing the highest concentration of each chemical in groundwater to the screening criteria. The ratios of the highest concentrations to the screening criteria are shown on Tables 2-1 and 2-

2. Ratios higher than 1 are considered to meet the definition of “contamination” and are highlighted. The on-site and off-site groundwater concentrations that are higher than the screening criteria are summarized on Tables 2-3 and 2-4, respectively. Plans 2 to 8 show the locations of the monitoring wells where these concentrations were found.

As shown on Tables 2-3 and 2-4, constituents in on-site or off-site groundwater do not have concentrations that are higher than the screening criteria based on vapor intrusion. However, several constituents in on-site and off-site groundwater have concentrations that are higher than the drinking water criteria and groundwater contact criteria.

As shown on Table 2-3, trichloroethene (TCE) and its degradation products (e.g., cis-1,2-dichloroethene, and vinyl chloride), chromium, and nickel are the predominant constituents in on-site groundwater with concentrations that are higher than the industrial drinking water criteria. These concentrations are generally found in Area 1, Area 2, AOI 19, AOI 21, AOI 28, AOI 33, AOI 37, AOI 39 and General. However, as discussed in the RFI Report, the presence of volatile organic compound (VOC) in groundwater at Area 1, AOI 19, AOI 21, and AOI 33 is likely attributable to contaminated groundwater that is migrating from the Plymouth Industrial Center (PIC) property located upgradient of the Site. Chromium is the only constituent in on-site groundwater with concentrations higher than the groundwater contact criteria (in Area 1).

As shown on Table 2-4, TCE (at AOI 31) and nickel (at Area 1) are the only constituents that were detected at concentrations higher than the residential drinking water criteria in off-site groundwater downgradient of the Site.

Therefore, groundwater is considered to meet the definition of “contamination” in portions of the on-site and off-site groundwater.

Borehole water samples were collected from some soil borings during RFI field investigation to support the placement of groundwater monitoring wells and the identification of potential vadose zone sources of groundwater contaminants. Although the procedures for collecting borehole water samples were intended to minimize the potential for introducing contaminants (including soil particles) into the sample by the sampling procedure, such influences could not be entirely eliminated because of the nature of the sample collection method. As such, the borehole water data do not necessarily represent groundwater quality in the saturated zone, so that comparison of these data to the groundwater screening criteria used for evaluating groundwater data is not appropriate. However, groundwater quality in the vicinity of all borehole water sample locations was characterized during the RFI as necessary by the installation of monitoring wells.

Accordingly, the borehole water data are not used for identifying the presence of “contamination” for the purposes of the CA750 determination, although they are included in the RFI Report (CRA 2004b).

Light nonaqueous-phase liquids (LNAPLs) were identified at monitoring wells MW-A1/33-2S (in Area 1/AOI 33) and MW-A1-16S (in AOI 21), as discussed in the RFI Report. These two areas of LNAPLs are further discussed in Section 2.3.

2.3 Existing Area of Contaminated Groundwater

Question 3 of the CA750 form asks whether the migration of contaminated groundwater has stabilized, such that contaminated groundwater is expected to remain within an “existing area of contaminated groundwater” as defined by monitoring locations designated at the time of the determination.

The extent of contaminated groundwater is discussed below, and the more substantial areas of groundwater contamination are outlined on Figures 1 to 9. The areas of groundwater contamination shown on these figures are based on the groundwater monitoring data collected during Stage VI of the RFI (February 2004) and the most recent groundwater monitoring data for the PIC property that MDEQ provided to GM (January 2003). The monitoring data collected during the several stages of the RFI for the wells used to construct these figures can be found on Plans 2 to 8.

On-Site

The databox plans and groundwater surface contours (Figures 10 and 11) show that the direction of groundwater flow across the Site is generally from the northwest to the southeast. The Site is located downgradient and to the southeast of the PIC property, which is a known source of VOC-contaminated groundwater. Groundwater in Area 1 is influenced by a French drain collection system and flows from the north to the south toward the French drain, which is located at the southern end of Area 1.

As shown on Table 2-1, the predominant groundwater contaminants found in on-site monitoring wells are TCE and its degradation products, chromium, and nickel. Other contaminants were found in the groundwater (1,1,1-trichloroethane, 1,1,2-trichloroethane, and methylene chloride); however, these contaminants were found in limited parts of AOI 28 and the General area.

The VOC-contaminated groundwater identified at Area 1, AOI 19, AOI 21, and AOI 33 has been delineated on-site. The source of this VOC-contaminated groundwater appears to be the PIC property located upgradient to the northwest of the Site. Based on data from the PIC property that MDEQ provided to GM, higher concentrations of VOCs than those found at the Site (particularly chlorinated VOCs) are located at the PIC property and appear to be associated with the parent compounds of other VOCs found in on-site groundwater. Appendix C includes tables that summarize the comparison of the January 2003 groundwater data from the PIC property with the screening criteria discussed in Section 2.2.

The approximate outline of the VOC-contaminated groundwater in the shallow and deeper portions of the aquifer between the PIC property and the Site are shown on Figures 1 and 3, respectively. As shown on these figures, the areas of groundwater contamination from the PIC property extend onto the western portion of Site and appear to be the sources of parent compounds (e.g., tetrachloroethene, TCE, and 1,2-dichloroethene) for the vinyl chloride in on-site groundwater. As shown on Figures 2 and 4, the areas of vinyl chloride contamination in on-site groundwater (shallow and deeper portions of the aquifer, respectively) appear to be extensions of the areas of VOC contamination from the PIC property. A summary table of the PIC property groundwater data used in constructing Figures 1 and 3 is included in Appendix C.

Figures 5 and 6 show the current horizontal extent of nickel concentrations in the shallow and deep portions of the aquifer at the southwest and west side of the Site. Nickel concentrations have been delineated in Area 1. A small part of the nickel plume appears to have migrated either under or around the French drain system. However, the plume has been delineated in all directions, including off-site to the south. The RFI Report discussed the presence of nickel at concentrations higher than the screening criteria in the General area; however, further groundwater sampling at this area during Stage VI of the RFI showed that nickel is not present at a concentration higher than the screening criteria in this area.

Unlike the nickel plume at Area 1, the chromium plume at Area 1 does not extend off site as shown on Figures 7 and 8. The chromium concentrations have been delineated in Area 1 and the downgradient extent of these concentrations is defined by the location of the French drain collection system (see Plan 2).

LNAPLs are present at the water table at the north edge of Area 1 (at well MW-A1/33-2S) and in AOI 21 (at well MW-A1-16S). As discussed in the RFI Report, the extent of LNAPL in Area 1 at MW-A1/33-2S was delineated by soil borings and monitoring wells installed to

the north, east, south, and west; LNAPL was not measurable at these delineation wells (MW-A1-6S, MW-A1/33-6S, and MW-A1/33-7S). The extent of LNAPL in AOI 21 at MW-A1-16S was delineated by surrounding monitoring wells within approximately 80 feet (MW-21-1S, MW-21-2S, and MW-21-3S). The extent of LNAPL at these areas have not changed from that reported in the RFI Report. The presence of recoverable amounts of LNAPL is initially being monitored every month, and recoverable amounts are being removed. The frequency of monitoring will be adjusted as appropriate (e.g., to quarterly or semi-annually) based on the volumes recovered and recovery rates observed during the initial several months.

In summary, Figures 2 to 8 show that the lateral extent of contaminated groundwater has been bounded by monitoring wells where groundwater is not contaminated. Therefore, the horizontal extent of the existing areas of on-site groundwater contamination in the shallow and deeper portions of the aquifer has been defined. In addition, the monitoring wells along the Site's southern boundary (downgradient) do not show the presence of contaminated groundwater, except for nickel which extends off-site to the southern edge of the public right-of-way south of Area 1, and TCE which extends off-site from AOI 31. These areas of off-site groundwater contamination are discussed below.

The migration of on-site contaminated groundwater has stabilized as demonstrated by the multiple rounds of groundwater sampling that were discussed in Section 2.2 and Appendix D of the RFI Report (CRA 2004b) and shown on Plans 2 to 7. The wells downgradient of the existing areas of groundwater contamination will be monitored to confirm that their extent remain stable (see Section 2.5 below). The clay unit beneath the surficial aquifer, discussed in Section 3.5.1 of the RFI Report, defines the vertical extent of the existing area of groundwater contamination. GM has proposed to install a slurry wall around a portion of Area 1 and the nearby area to enhance containment of nickel- and chromium-contaminated groundwater in this area (CRA 2004d).

Off-Site

As shown on Tables 2-3 and 2-4, a number of VOCs and a few inorganics were detected in the off-site groundwater. However, only nickel (Area 1) and TCE (AOI 31) were detected at concentrations higher than the residential screening criteria.

Figures 5 and 6 show the extent of the off-site nickel concentrations, and Figure 9 shows the extent of the off-site TCE concentrations. The presence of nickel at concentrations higher than the screening criteria in off-site groundwater has been found identified at the southern

edge of the public right-of-way along the southern Site boundary, and has not been found in any of the monitoring wells further downgradient. Additional monitoring (as discussed in Section 2.5) will be conducted downgradient of Area 1 to verify that further migration does not occur. The proposed slurry wall to be installed at Area 1 (CRA 2004d) is expected to enhance containment of the nickel-contaminated groundwater.

The TCE plume at AOI 31 has been delineated both at and downgradient of the Site. The extent of TCE contamination has remained stable over the past several rounds of sampling over the past few years. In addition, it should be noted that GM has excavated TCE-containing soil from an on-site portion of AOI 31 as part of the excavation of PCB-impacted soil (CRA 2003e), which should reduce or eliminate further contribution of TCE to groundwater at or downgradient of the Site. In addition, GM has recently implemented in-situ treatment of TCE-contaminated on-site groundwater at AOI 31 (injection of potassium permanganate) to reduce further contribution of TCE to off-site groundwater (CRA 2004e). As part of these interim measures, GM has established a groundwater monitoring program to continue monitoring the stability of the TCE plume and the effectiveness of the on-site groundwater treatment. The clay unit beneath the surficial aquifer defines the vertical extent of the existing area of groundwater contamination.

2.4 Discharge to Surface Water Bodies

Question 4 asks whether contaminated groundwater discharges into surface water bodies. No surface water bodies exist at the Site. The Rouge River and Newburgh Lake are the prominent hydrologic features downgradient of the Site. Newburgh Lake is located approximately ¼-mile south of the Site, and the Middle Rouge River is located approximately ¼-mile southwest of the Site. However, these surface water bodies are located over 1,000 feet from the downgradient extent of contaminated groundwater to the south of the Site; therefore, discharge of contaminated off-site groundwater to surface water bodies is not occurring.

Based on the absence of groundwater discharges to surface water, there is no need to answer Questions 5 and 6.

2.5 Future Monitoring

Question 7 asks whether future monitoring will be conducted to confirm that the existing areas of contaminated groundwater identified in Question 3 will remain stabilized.

Groundwater quality will continue to be monitored semi-annually at the following Area and AOIs:

- Area 1: monitoring wells MW-OS-3D, MW-OS-4S, MW-OS-4D, MW-OS-9S, MW-OS-9D, MW-OS-10D, and HA-MW-12
- AOI 21: monitoring wells MW-A1-10S and MW-A1-10D
- AOI 28: MW-28-3S
- AOI 31: MW-211S, MW-211D, MW-212S, MW-212D, MW-214S, MW-214D, MW-216S, MW-216D, MW-303S, MW-304S, and MW-304D.

Samples collected from Area 1 will be analyzed for chromium and nickel, and samples collected from AOI 21, AOI 28, and AOI 31 will be analyzed for target compound list (TCL) VOCs in accordance with the protocols described in the Quality Assurance Project Plan (QAPP) of the RFI Work Plan (CRA 2002d). Sampling will be conducted at these wells semi-annually for two years to confirm that these existing areas of groundwater contamination remain stabilized. Based on the data collected during this period, the monitoring frequency may be adjusted as appropriate (e.g., to annual monitoring).

In addition, the following monitoring wells will be checked for the presence of measurable LNAPL:

- Area 1/AOI 33: monitoring wells MW-A1/33-2S, MW-A1-6S, MW-A1/33-6S, and MW-A1/33-7S
- AOI 21: monitoring wells MW-A1-16S, MW-21-1S, MW-21-2S, and MW-21-3S

Recoverable amounts of LNAPL encountered during monitoring will be removed. Monitoring will be initially conducted monthly, and the frequency will be adjusted as appropriate (e.g., to quarterly or semi-annually) based on the volumes recovered and the recovery rates observed during the initial several months.

2.6 Conclusion

Groundwater is considered to meet the definition of “contamination” in the shallow and deep portions of the upper-most aquifer underlying the Site. The lateral extent of contaminated groundwater is bounded by monitoring wells where groundwater is not contaminated. In addition, all areas of existing groundwater contamination are within the Site boundary, except a small portion of the nickel plume at Area 1 which extends off-site to a limited distance and the AOI 31 TCE plume which has been delineated downgradient of the Site and has remained stable over the past several rounds of sampling over the past few years. Interim measures have been completed or are underway in both areas to enhance stability of these plumes. The clay unit beneath the surficial aquifer defines the vertical extent of the existing area of groundwater

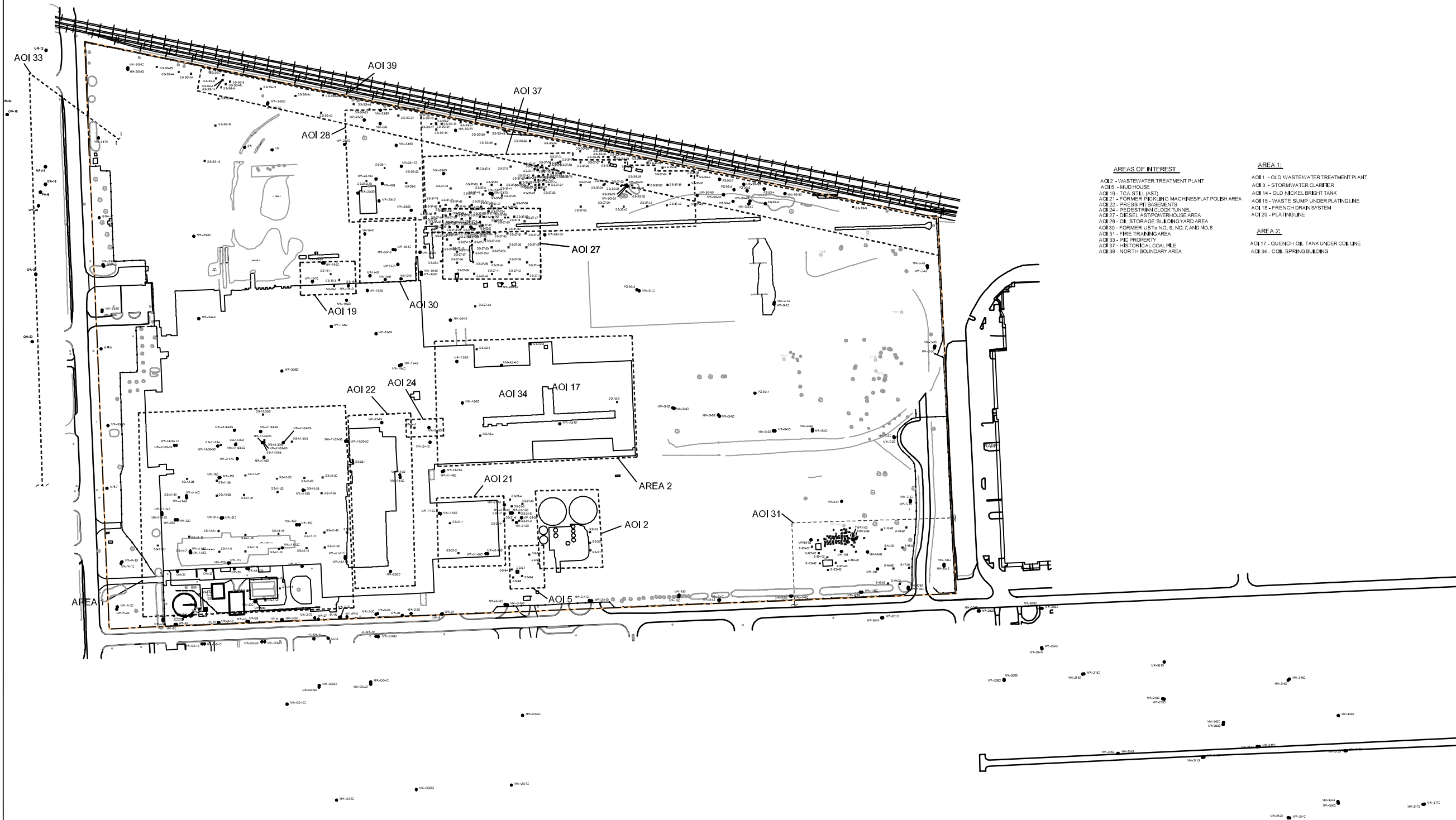
contamination. Certain monitoring wells will be monitored annually to confirm that the existing areas of groundwater contamination remain stable both on- and off-site.

3.0 REFERENCES

- Conestoga-Rovers & Associates. 2002a. Current Conditions Report, 13000 Eckles Road Site, Livonia, Michigan. June.
- Conestoga-Rovers & Associates. 2002b. RCRA Facility Investigation Work Plan – AOI 31 – Fire Training Area. 13000 Eckles Road Site, Livonia, Michigan. June.
- Conestoga-Rovers & Associates. 2002c. RCRA Facility Investigation Work Plan Addendum – AOI 31 – Fire Training Area. 13000 Eckles Road Site, Livonia, Michigan. August.
- Conestoga-Rovers & Associates. 2002d. RCRA Facility Investigation Work Plan, 13000 Eckles Road Site, Livonia, Michigan. September.
- Conestoga-Rovers & Associates. 2002e. RCRA Facility Investigation Work Plan Addendum No. 2 – AOI 31 – Fire Training Area. 13000 Eckles Road Site, Livonia, Michigan. November.
- Conestoga-Rovers & Associates. 2003a. Stage II RCRA Facility Investigation Work Plan Addendum, 13000 Eckles Road Site, Livonia, Michigan. February.
- Conestoga-Rovers & Associates. 2003b. Proposed RFI Stage III Sample Matrix, 13000 Eckles Road Site, Livonia, Michigan. June
- Conestoga-Rovers & Associates. 2003c. RCRA Facility Investigation Stages IIa and III and RFI – AOI 31 Stage V, 13000 Eckles Road Site, Livonia, Michigan. November.
- Conestoga-Rovers & Associates. 2003d. Proposed RFI Stage IV Sample Matrix, 13000 Eckles Road Site, Livonia, Michigan. November.
- Conestoga-Rovers & Associates. 2003e. Self-Implementing PCB Cleanup Plan, 13000 Eckles Road Site, Livonia, Michigan. July.
- Conestoga-Rovers & Associates. 2004a. Proposed RFI Stage V Sample Matrix, 13000 Eckles Road Site, Livonia, Michigan. January.
- Conestoga-Rovers & Associates. 2004b. RCRA Facility Investigation Report, 13000 Eckles Road Site, Livonia, Michigan. February.
- Conestoga-Rovers & Associates. 2004c. Proposed RFI Stage VI Sample Matrix, 13000 Eckles Road Site, Livonia, Michigan, February.

- Conestoga-Rovers & Associates. 2004d. Interim Measures Work Plan for Installation of Slurry Wall at Area 1, 13000 Eckles Road Site, Livonia, Michigan, August.
- Conestoga-Rovers & Associates. 2004e. Interim Measures Work Plan for AOI 31 (Former Fire Training Area) Groundwater, 13000 Eckles Road Site, Livonia, Michigan, March.
- Efron, B. and R. J. Tibshirani. 1998. An Introduction to the Bootstrap. Chapman & Hall/CRC, Boca Raton.
- ENVIRON, 2004. Environmental Indicator CA725 Report, 13000 Eckles Road Site, Livonia, Michigan, February.
- Johnson, P. C., and R. A. Ettinger. 1991. Heuristic model for predicting the intrusion rate of contaminant vapors into buildings. *Environ. Sci. Technol.* 25(8):1445-1452.
- Michigan Department of Environmental Quality (MDEQ). 2002. Administrative Rules for Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended. Generic Cleanup Criteria and Screening Levels. December.

P L A N S



NO	Revision	Date	Initial

0 100 200'

LEGEND

- SITE BOUNDARY
- FENCE
- MW-S-50 RR MONITORING WELL LOCATION
- SB-A2-4 RR SOIL BORING LOCATION
- PZ-BG-2 RFI PIEZOMETER LOCATION

SCALE VERIFICATION

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

Approved

DRAWING STATUS

Status	Date	Initial

AOI AND MONITORING WELL LOCATIONS

CA 750

13000 ECKLES ROAD

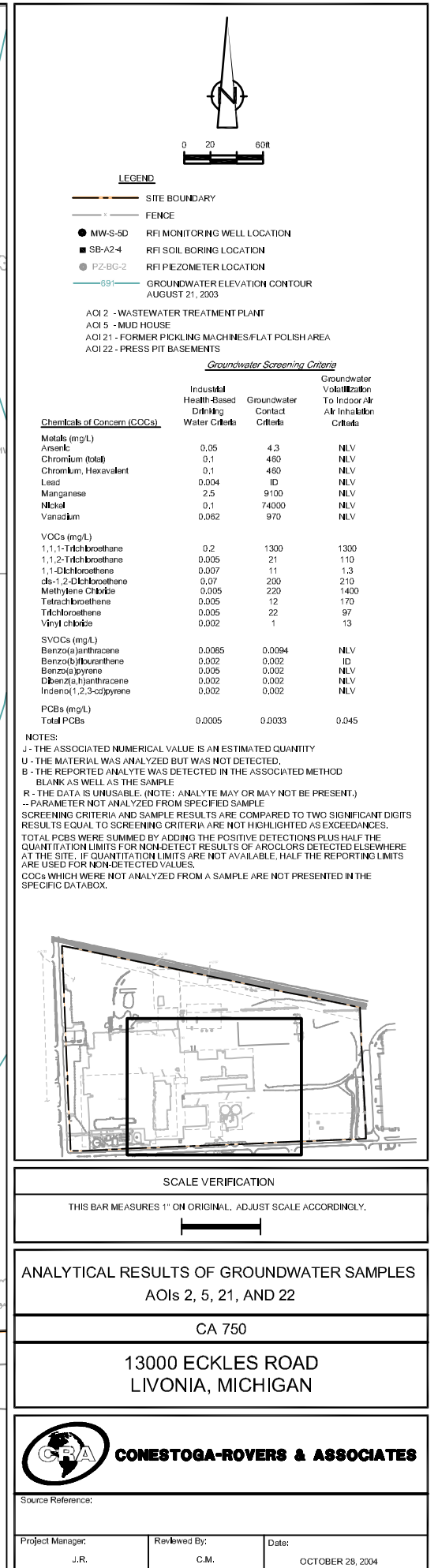
LIVONIA, MICHIGAN

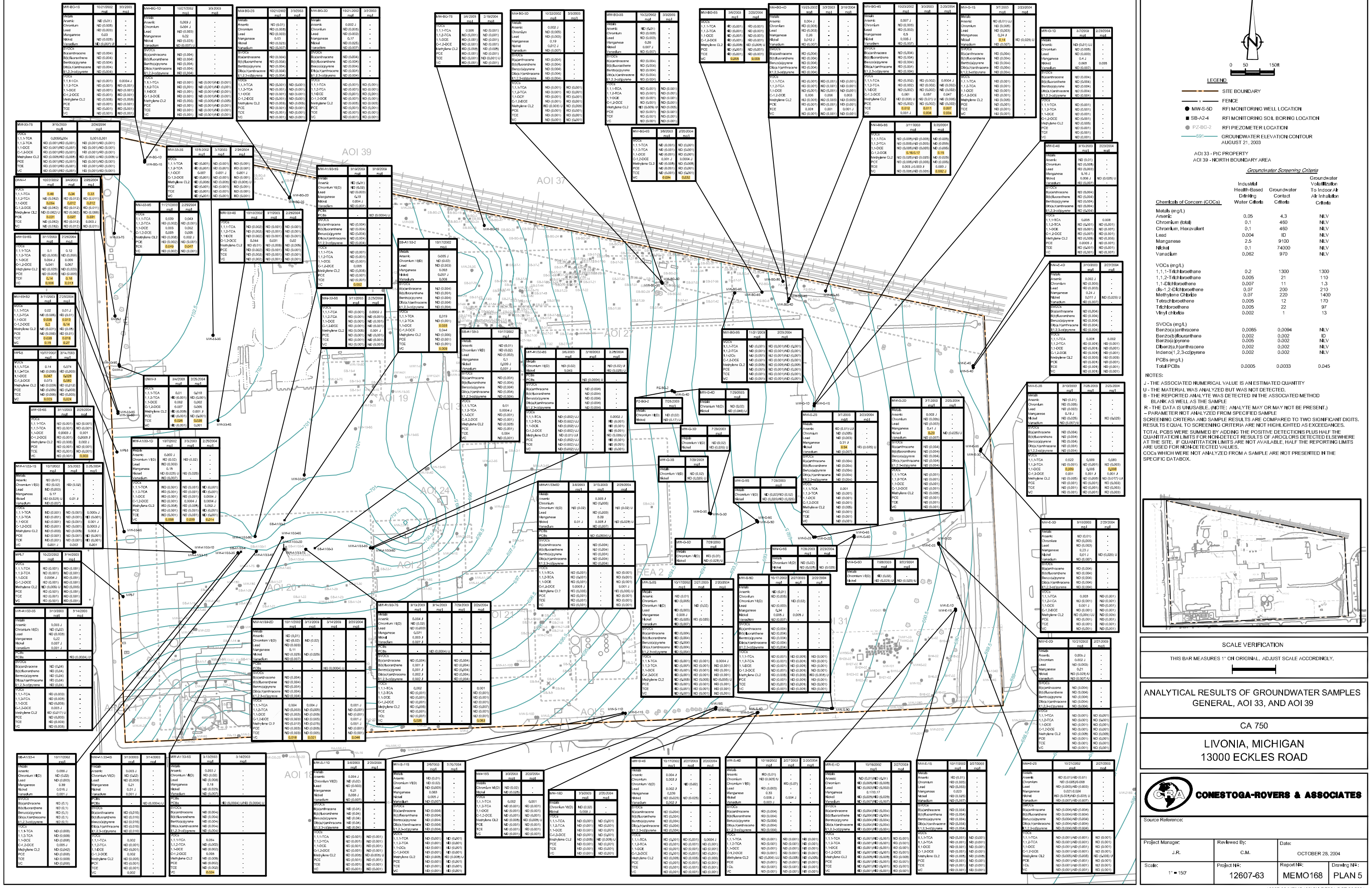
 **CONESTOGA-ROVERS & ASSOCIATES**

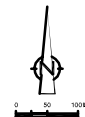
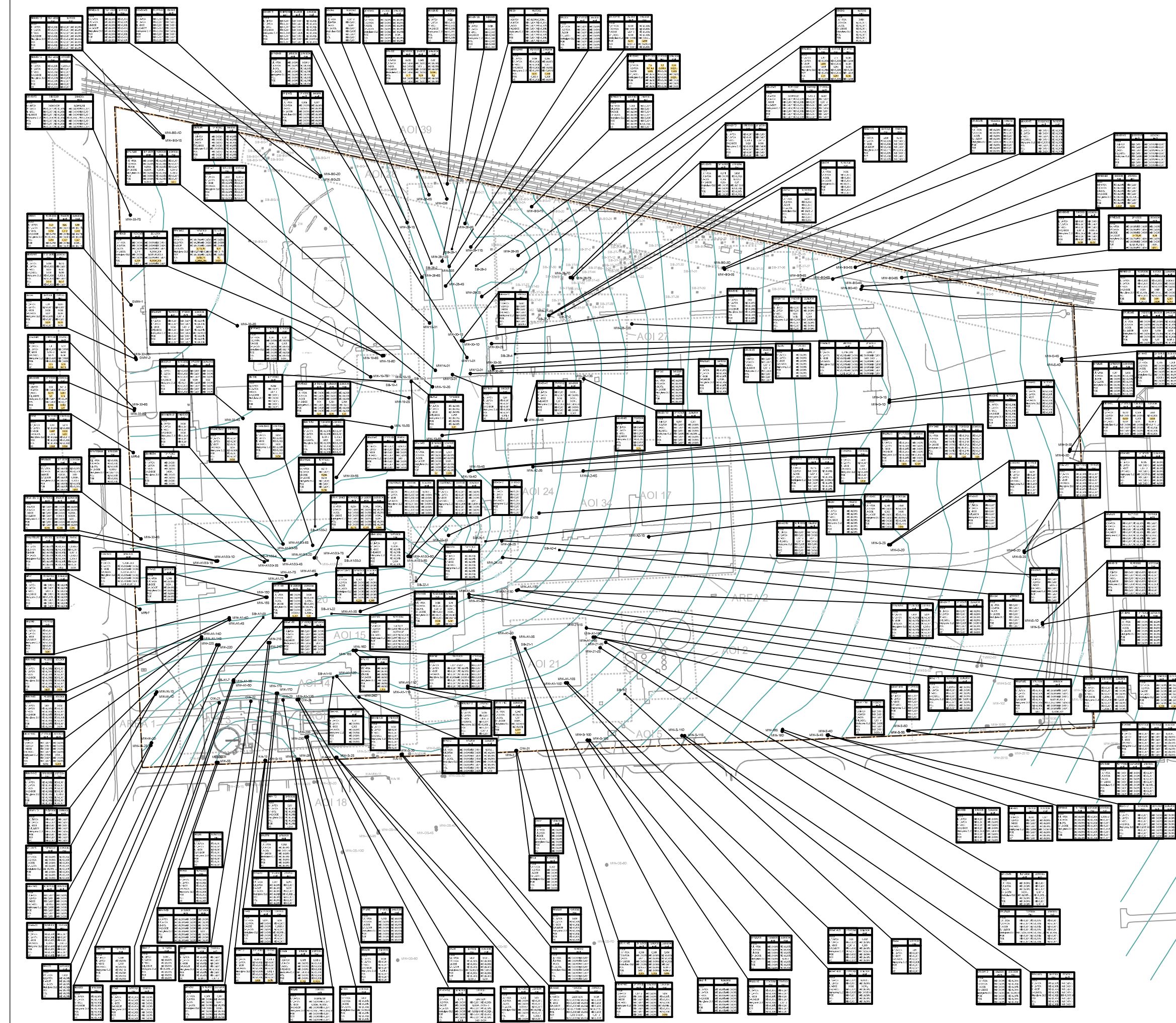
Source Reference:

Project Manager:	Reviewed By:	Date:
J.R.	C.M.	OCTOBER 28, 2004

Scale:	Project No:	Report No:	Drawing No:
1" = 200'	12607-63	MEMO168	PLAN 1







LEGEND

- SITE BOUNDARY
- FENCE
- MWS-50 RFI MONITORING WELL LOCATION
- SB-A2-4 RFI SOIL BORING LOCATION
- RFI RECOILMETER LOCATION
- 000 GROUNDWATER ELEVATION CONTOUR

AUGUST 21, 2003

<u>Groundwater Screening Criteria</u>		
	Remedial Health-Based Drinking Water Criteria	Groundwater Criteria
<u>Chemicals of Concern (COCs)</u>		
VOCs (mg/L)		
1,1,1-Trichloroethene	0.2	1300
1,1,2-Trichloroethene	0.005	21
1,1-Dichloroethene	0.007	11
cis-1,2-Dichloroethene	0.01	200
Metadene Chloride	0.005	23
Tetrachloroethene	0.005	12
Trichloroethene	0.005	22
Vinyl chloride	0.002	1

NOTES:

- A - THE ASSOCIATED NUMERICAL VALUE IS ESTIMATED QUANTITY
- U - THE MATERIAL WAS ANALYZED BUT WAS NOT DETECTED.
- B - THE REPORTED ANALYTE WAS DETECTED IN THE ASSOCIATED METHOD
BLANK AS WELL AS THE SAMPLE
- R - THE DATA IS UNSURE. (NOTE: ANALYTE MAY OR MAY NOT BE PRESENT)
 - PARAMETER NOT ANALYZED/PROCESSED SAMPLE

SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT COUNT RESULTS EQUAL TO SCREENING CRITERIA ARE NOT INDICATED AS EXCEEDANCES.

TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE POSITIVE DETECTIONS FOR ALL OTHER ANALYTES. RESULTS ARE DETECTED OR NOT DETECTED AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.

COMPOUNDS WERE NOT ANALYZED FROM A SAMPLE ARE NOT PRESENTED IN THE SPECIFIC DATABASE.

SCALE VERIFICATION

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

ANALYTICAL RESULTS OF GROUNDWATER
SAMPLES - SITE-WIDE VOCs

CA 750

13000 ECKLES ROAD
LIVONIA, MICHIGAN

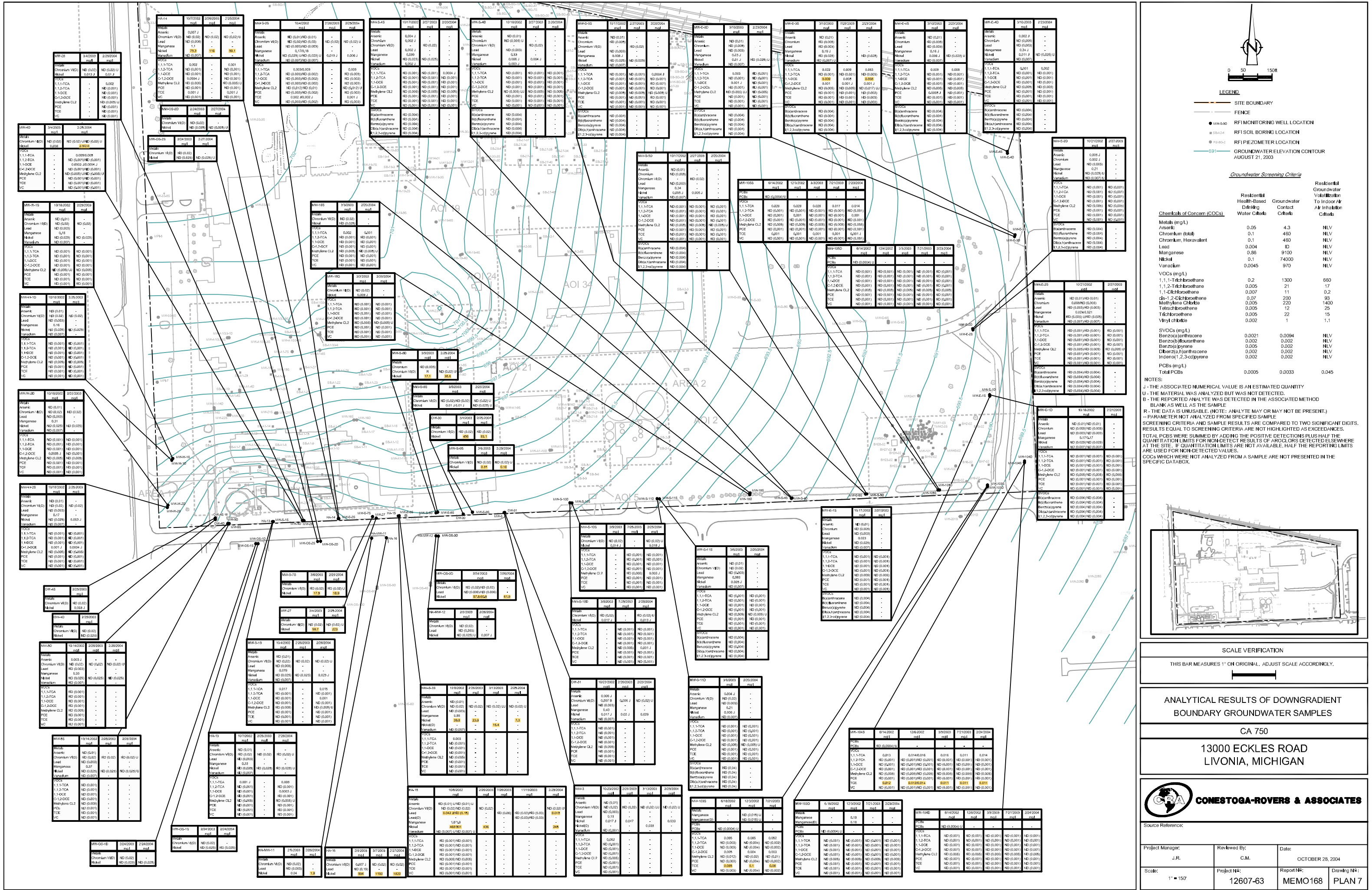


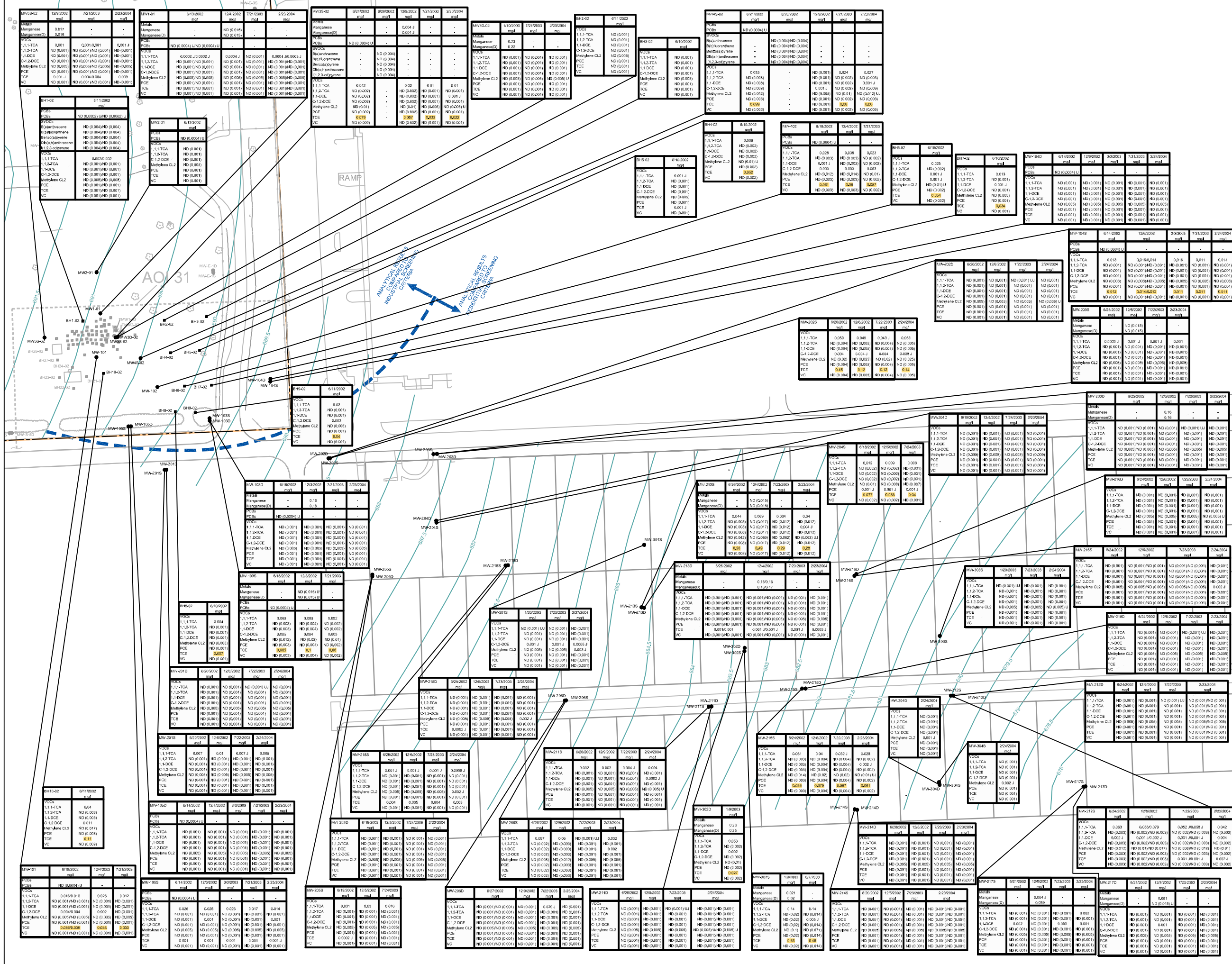
CONESTOGA-ROVERS & ASSOCIATES

Source Reference

Project Manager: J.R.	Reviewed By: C.M.	Date: OCTOBER 28, 2004
Scale: 1"=100'	Project #: 12607-63	Report #: MEMO168 Drawn: PL

12607-03(MEMO165)GN-DE007 OCT 26/2004





0 50 100ft

LEGEND

- SITE BOUNDARY
- FENCE
- MW-50 RFI MONITORING WELL LOCATION
- BH2-02 RFI/SOL BORING LOCATION
- PZ-BG-2 RFI PIZOMETER LOCATION
- GROUNDWATER ELEVATION CONTOUR AUGUST 21, 2003

AOI 31 - FIRE TRAINING AREA

Groundwater Screening Criteria

Chemicals of Concern (COCs)	Residential Health-Based Drinking Water Criteria	Groundwater Contact Criteria	Residential Groundwater Volatilization To Indoor Air Inhalation Criteria
Metals (mg/L)			
Arsenic	0.05	4.3	NLV
Chromium (total)	0.1	460	NLV
Chromium, Hexavalent	0.004	460	NLV
Lead	0.05	9700	NLV
Nickel	0.1	74000	NLV
Vanadium	0.0045	970	NLV
VOCs (mg/L)			
1,1,1-Trichloroethane	0.2	1300	660
1,1,2-Trichloroethane	0.005	21	17
1,1-Dichloroethane	0.007	11	0.2
cis-1,2-Dichloroethane	0.07	200	93
Methylene Chloride	0.005	220	140
1,1-Dichloroethene	0.005	12	29
Trichloroethene	0.005	22	15
Vinyl chloride	0.002	1	1.1
SVOCs (mg/L)			
Benzo(a)anthracene	0.0021	0.0094	NLV
Benzo(b)fluoranthene	0.002	0.002	NLV
Benzo(k)fluoranthene	0.002	0.002	NLV
Dibenz(a,h)anthracene	0.002	0.002	NLV
Indeno(1,2,3-cd)pyrene	0.002	0.002	NLV
PCBs (mg/L)			
Total PCBs	0.0005	0.0033	0.045

NOTES:

- J - THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY
- U - THE MATERIAL WAS ANALYZED BUT WAS NOT DETECTED.
- B - THE REPORTED ANALYTE WAS DETECTED IN THE ASSOCIATED METHOD
- BLANK AS WELL AS THE SAMPLE
- R - THE DATA IS UNUSABLE. (NOTE: ANALYTE MAY OR MAY NOT BE PRESENT.)
- PARAMETER NOT ANALYZED FROM SPECIFIED SAMPLE
- SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS OTHER TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
- TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTIFICATION LIMITS FOR NON-DETECTED RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTIFICATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
- COCs WHICH WERE NOT ANALYZED FROM A SAMPLE ARE NOT PRESENTED IN THE SPECIFIC DATABASE.

SCALE VERIFICATION

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

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES - AOI 31

CA 750

13000 ECKLES ROAD
LIVONIA, MICHIGAN

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:
J. R.	C.M.	OCTOBER 28, 2004

Scale:	Project No:	Report No:	Drawing No:
1" = 100'	12607-63	MEMO168	PLAN 8

12607-63(MEMO168)GND-E005 OCT 28/2004

FIGURES

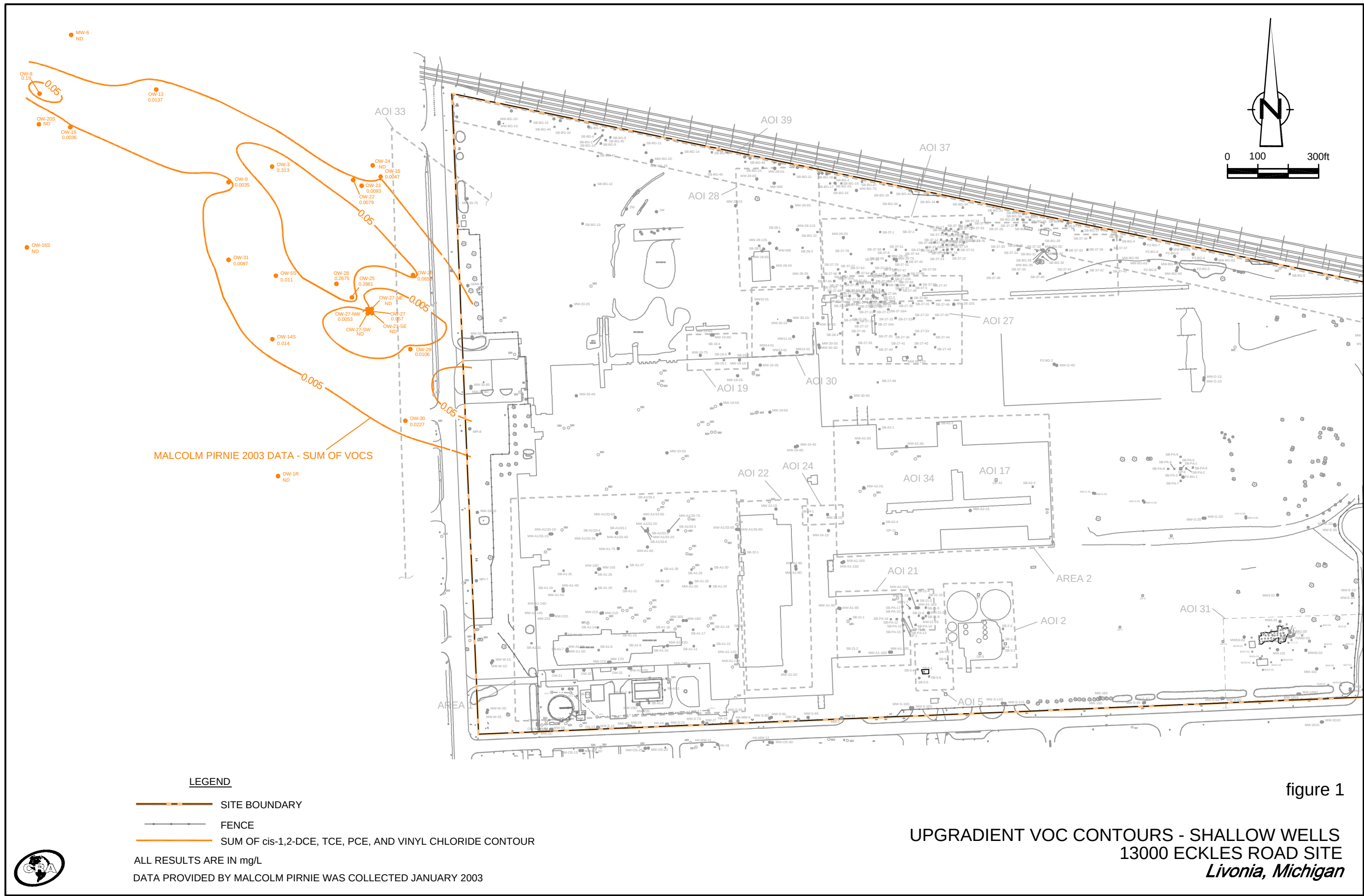
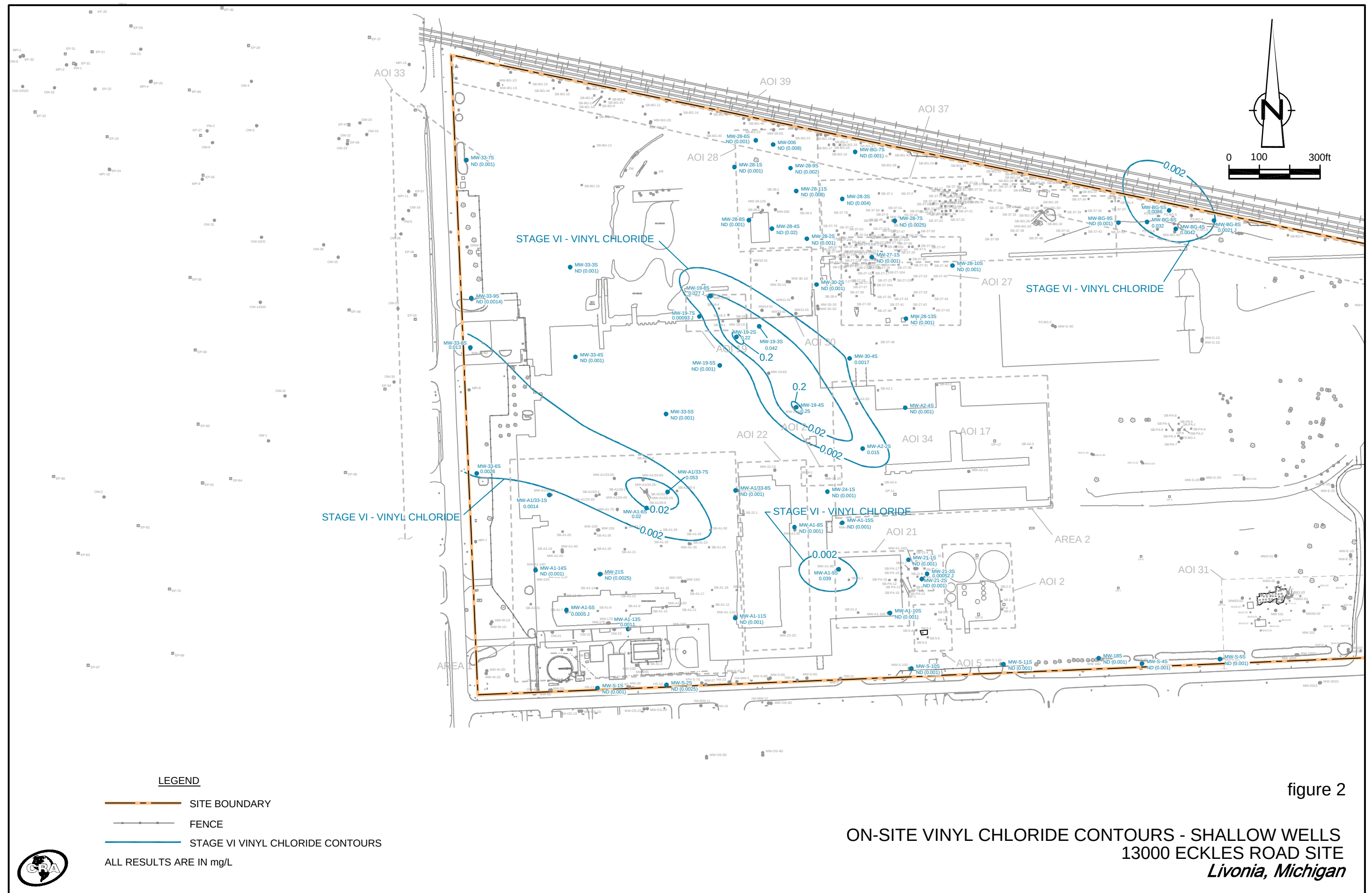


figure 1



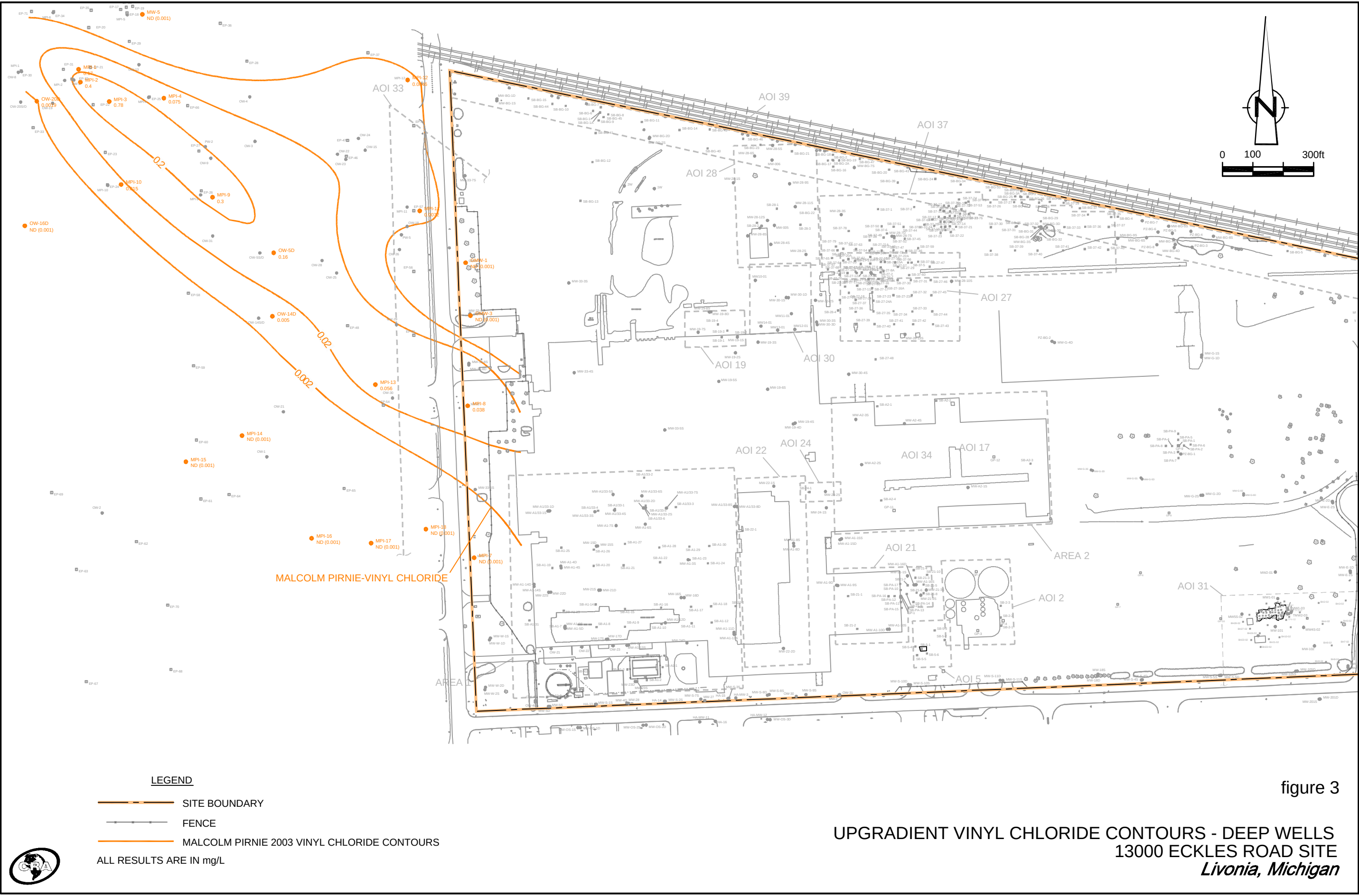


figure 3

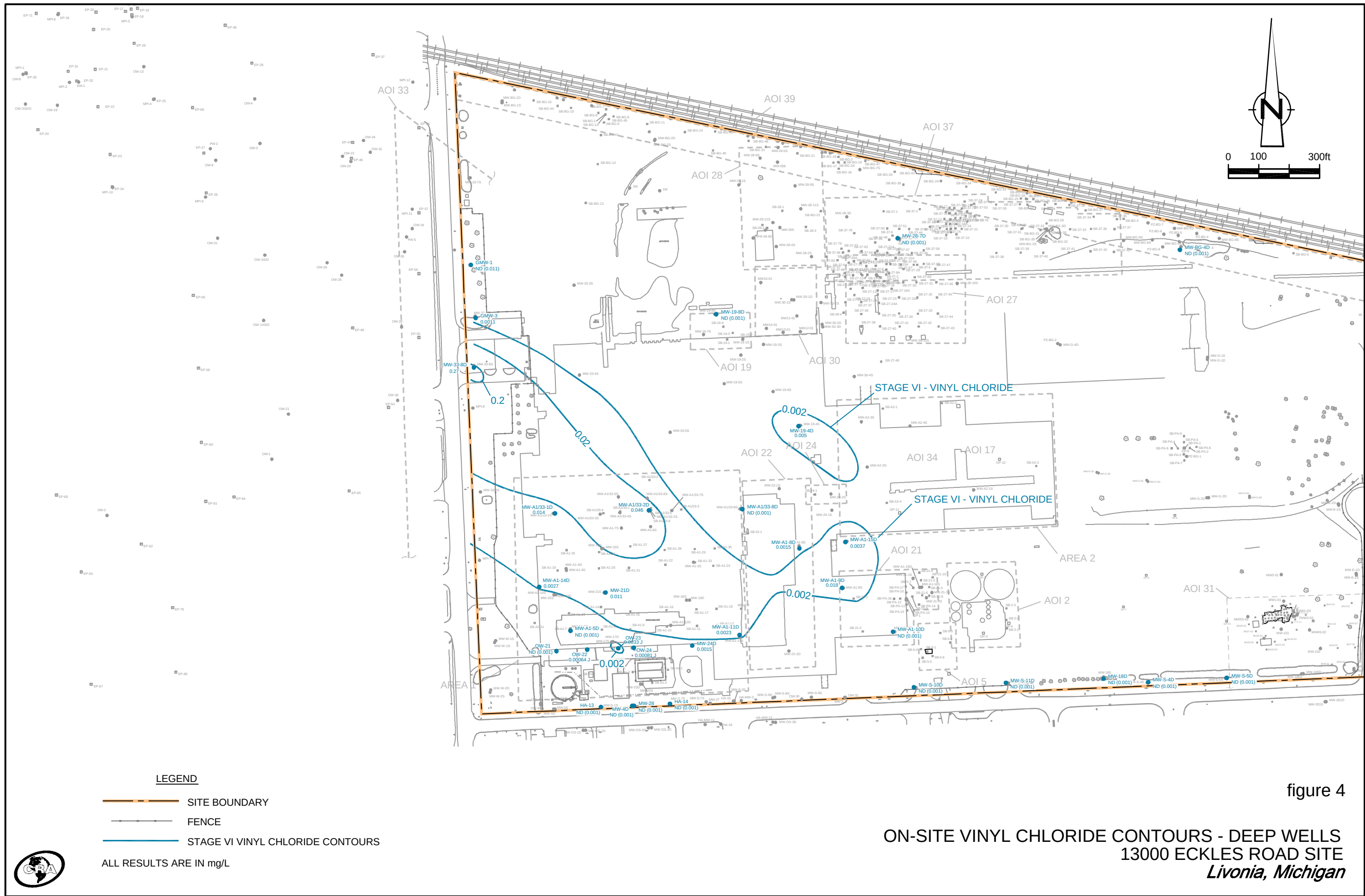


figure 4

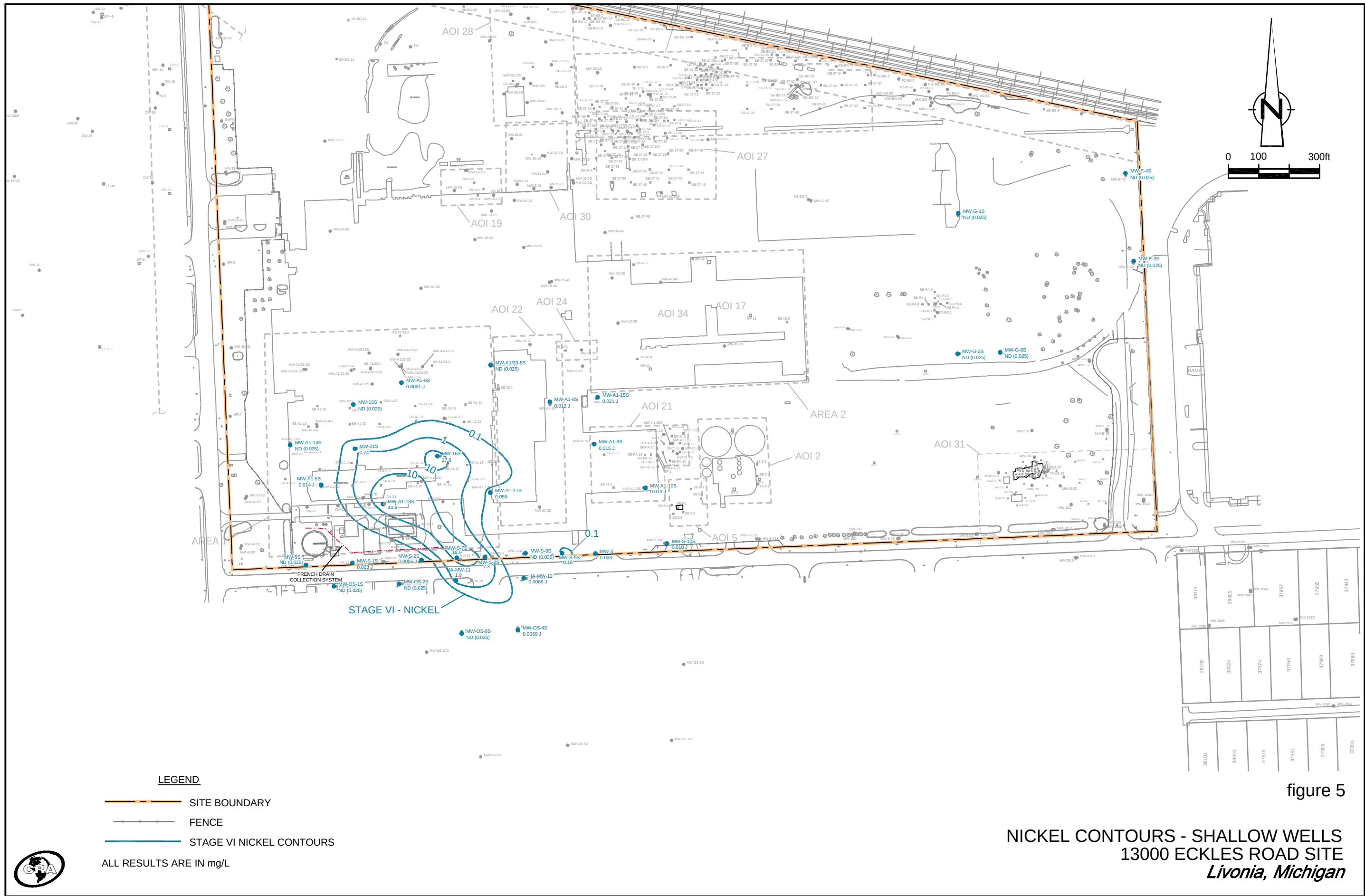
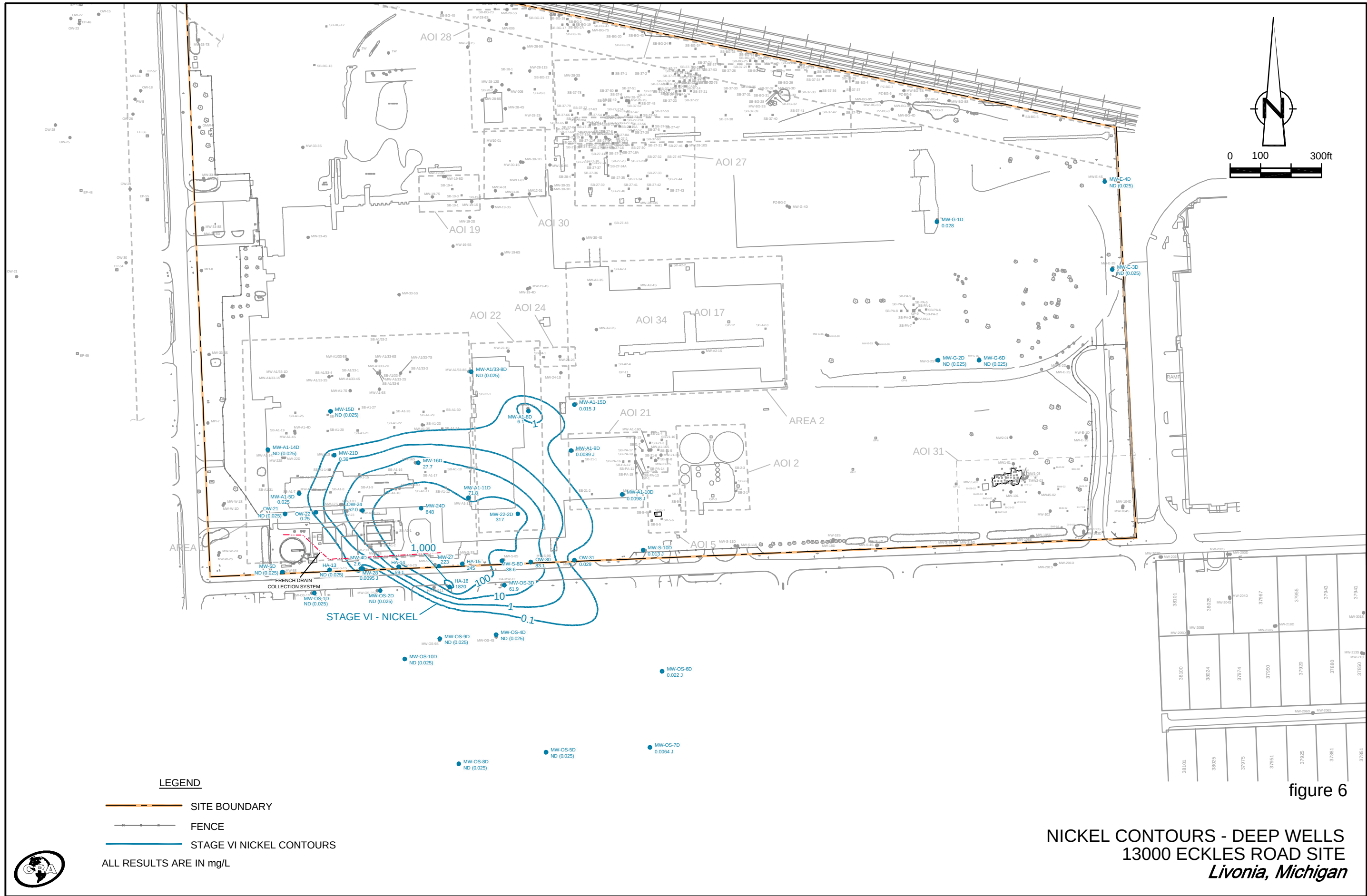


figure 5

NICKEL CONTOURS - SHALLOW WELLS
13000 ECKLES ROAD SITE
Livonia, Michigan



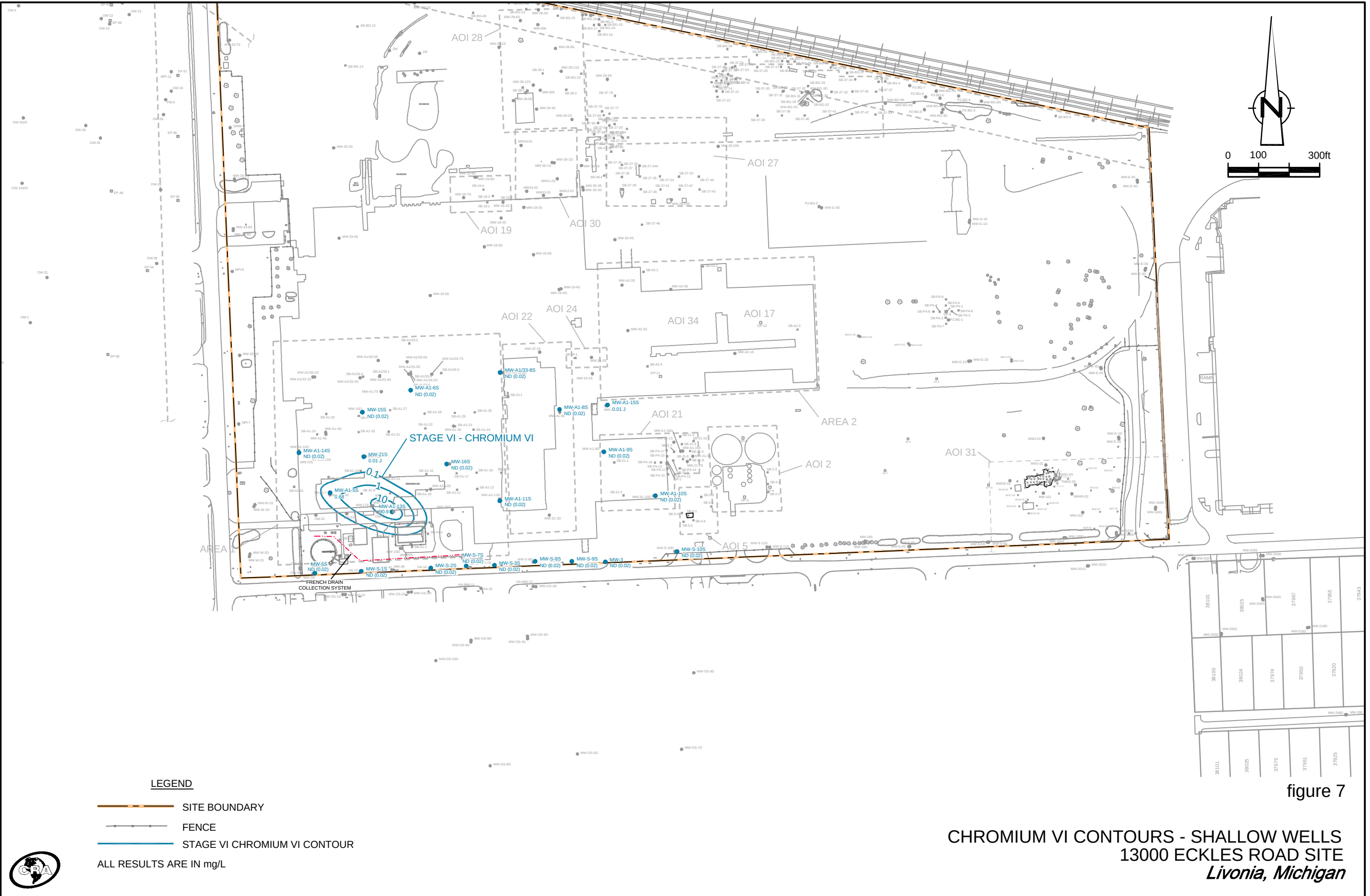


figure 7

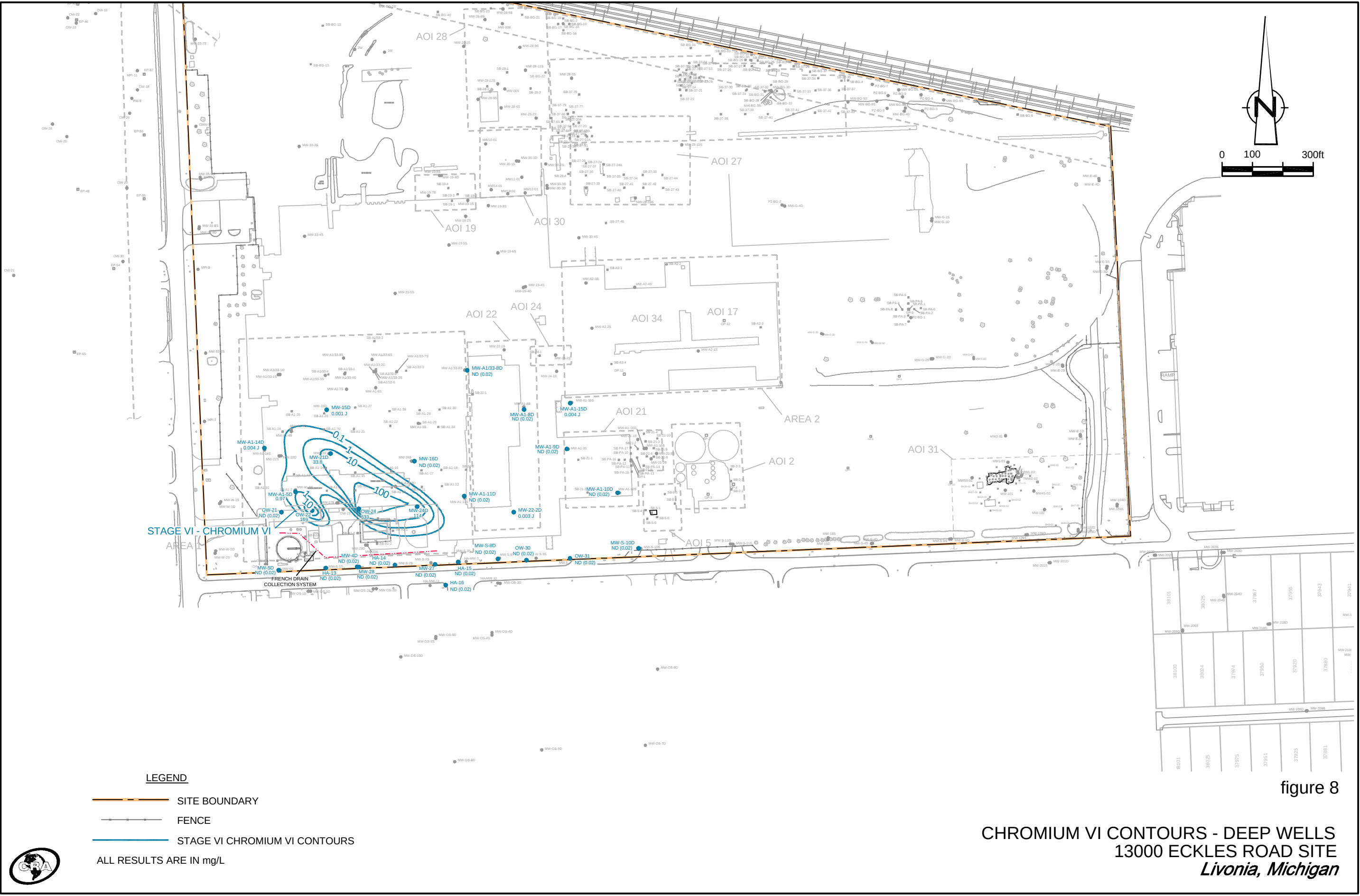
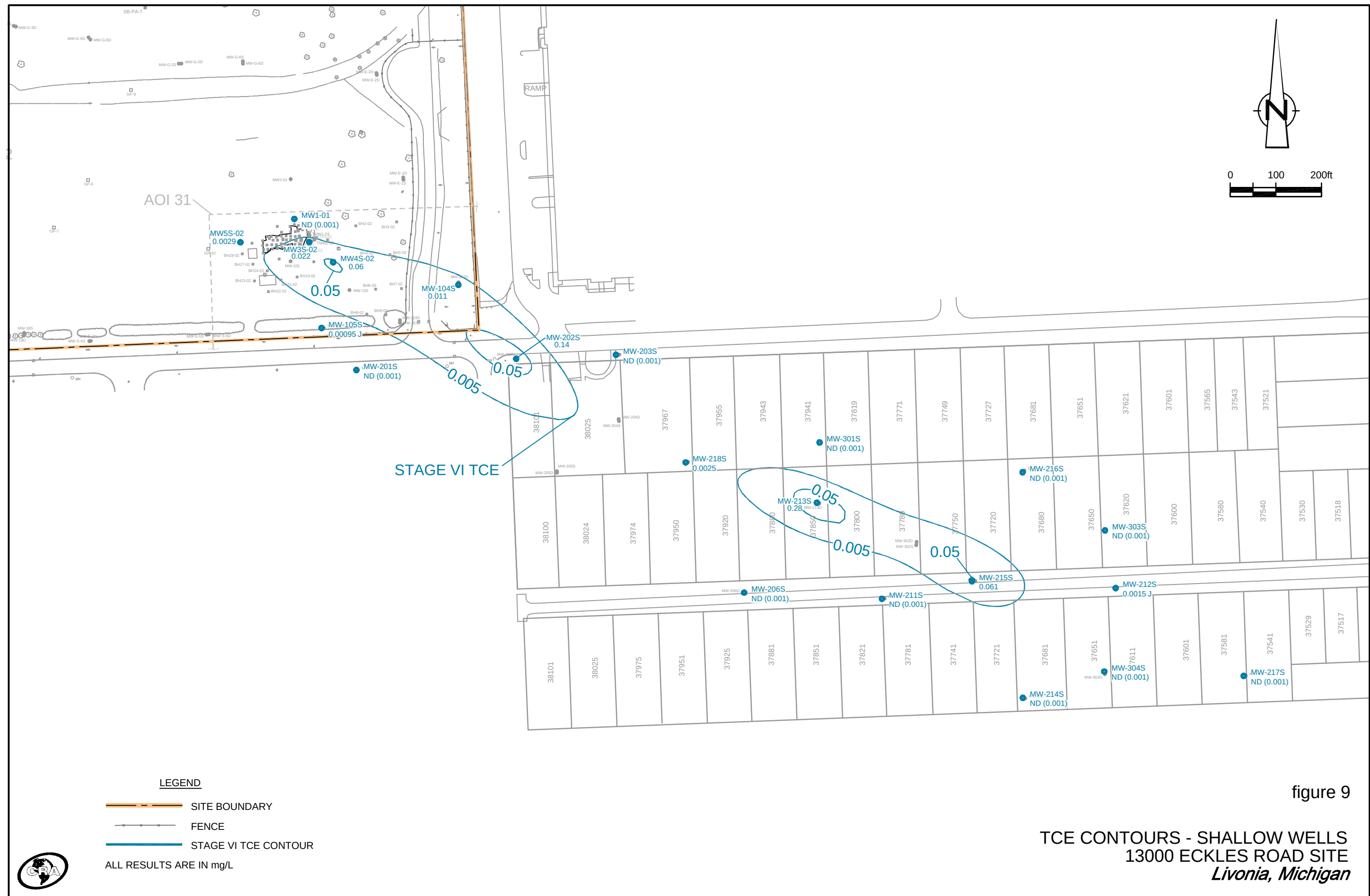
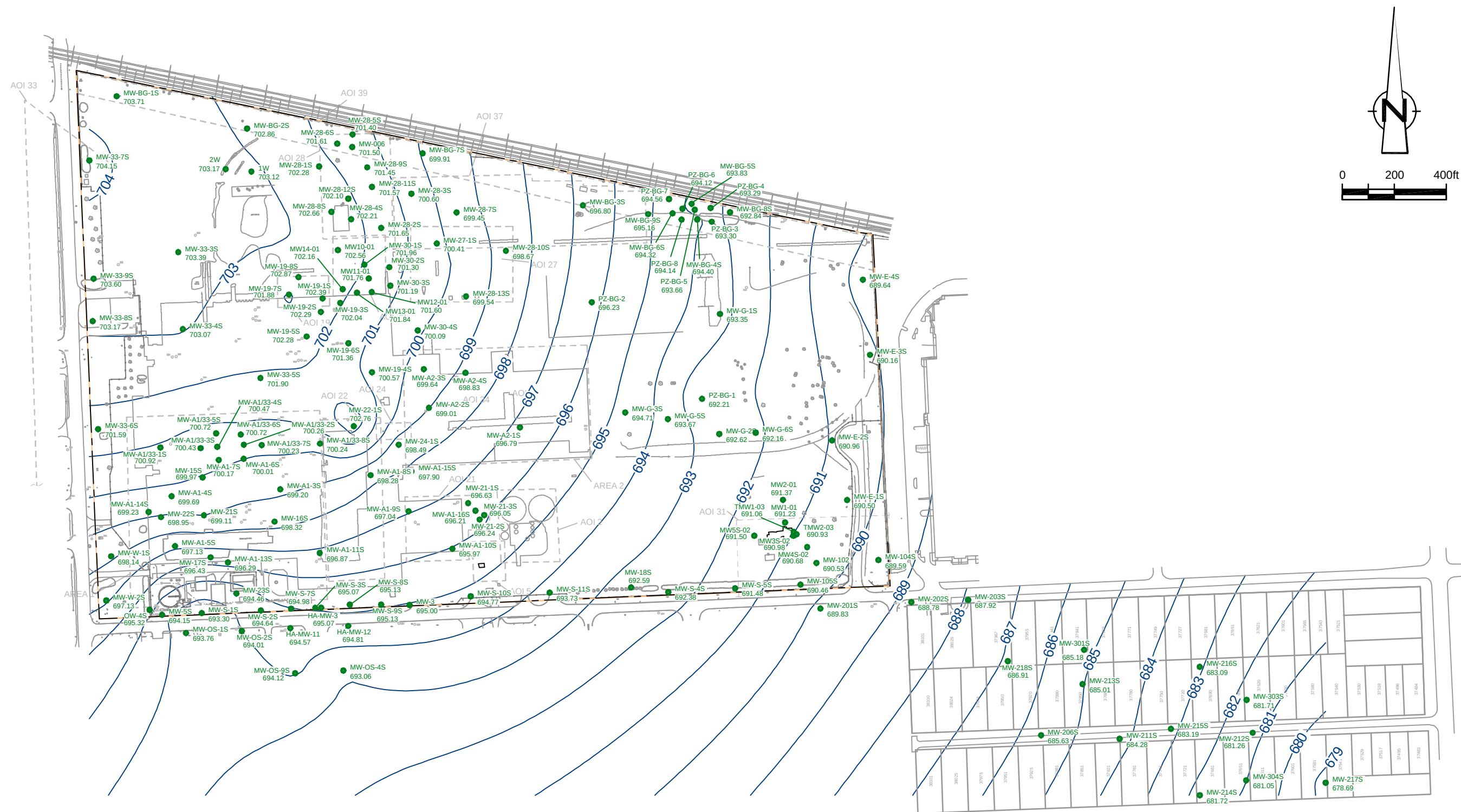


figure 8



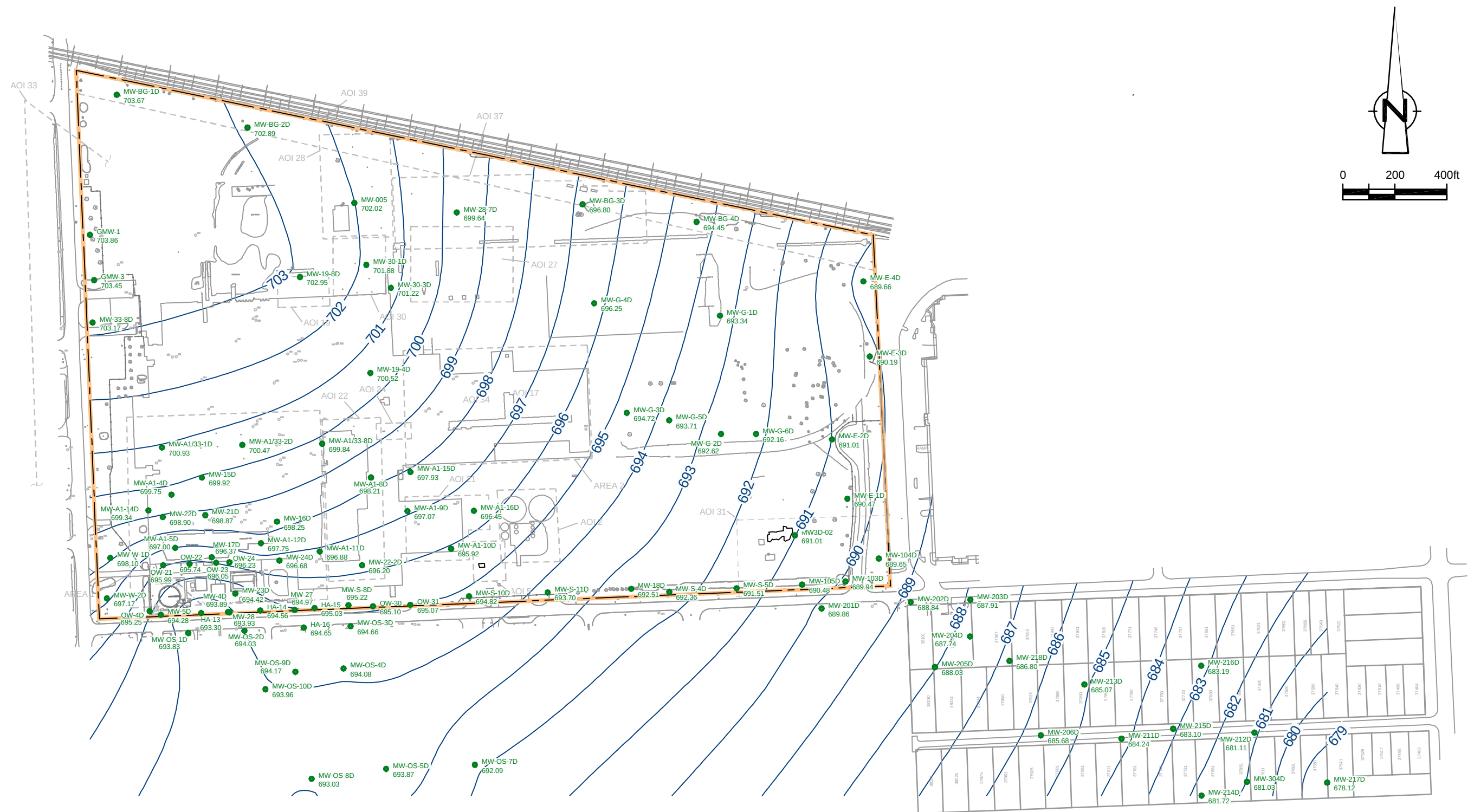


LEGEND

- SITE BOUNDARY
- MW-W-1S
698.14 SHALLOW MONITORING WELL WITH
GROUNDWATER ELEVATION - 3/9/2004
- 692 GROUNDWATER CONTOUR



figure 10
GROUNDWATER CONTOURS - SHALLOW WELLS
MARCH 9, 2004
13000 ECKLES ROAD SITE
Livonia, Michigan



LEGEND

- SITE BOUNDARY
- MW-E-3D
690.19
- 692 — GROUNDWATER CONTOUR
- DEEP MONITORING WELL WITH
GROUNDWATER ELEVATION - 3/9/2004



figure 11
 GROUNDWATER CONTOURS - DEEP WELLS
 MARCH 9, 2004
 13000 ECKLES ROAD SITE
 Livonia, Michigan

T A B L E S

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 19	VOC	2-Butanone	78-93-3	T	ID	22	1	9.00E-03	9.00E-03	3.8E+01	2.4E+05	4.1E+05	nc	2.4E-04	3.8E-08	2.2E-08
AOI 19	VOC	Carbon Disulfide	75-15-0	T		22	1	2.90E-04	2.90E-04	2.3E+00	1.2E+03	8.2E+02	nc	1.3E-04	2.4E-07	3.5E-07
AOI 19	VOC	Chloroethane	75-00-3	T		22	3	2.00E-03	1.30E-02	1.7E+00	4.4E+02			7.6E-03	3.0E-05	
AOI 19	VOC	Chloroform	67-66-3	T	B2	22	1	4.70E-04	4.70E-04	1.0E-01	1.5E+02	3.3E+00	c	4.7E-03	3.1E-06	1.4E-04
AOI 19	VOC	1,1-Dichloroethane	75-34-3	T	C	22	12	2.70E-04	1.30E-01	2.5E+00	2.4E+03	1.1E+03	nc	5.2E-02	5.4E-05	1.2E-04
AOI 19	VOC	1,1-Dichloroethene	75-35-4	T	C	22	5	3.20E-04	4.70E-03	7.0E-03	1.1E+01	2.4E+02	nc	6.7E-01	4.3E-04	1.9E-05
AOI 19	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	22	13	4.00E-04	1.70E-01	7.0E-02	2.0E+02	8.9E+01	nc	2.4E+00	8.5E-04	1.9E-03
AOI 19	VOC	trans-1,2-Dichloroethene	156-60-5	T		22	4	8.40E-03	4.35E-02	1.0E-01	2.2E+02	1.2E+02	nc	4.4E-01	2.0E-04	3.7E-04
AOI 19	VOC	1,1,1-Trichloroethane	71-55-6	T	D	22	3	2.10E-03	6.40E-02	2.0E-01	1.3E+03	3.5E+03	nc	3.2E-01	4.9E-05	1.8E-05
AOI 19	VOC	Trichloroethene	79-01-6	T	C-B2	22	4	8.70E-03	1.10E+00	5.0E-03	2.2E+01	3.1E+01	c	2.2E+02	5.0E-02	3.6E-02
AOI 19	VOC	Vinyl Chloride	75-01-4	T	A	22	18	4.30E-04	4.00E-01	2.0E-03	1.0E+00	3.3E+00	c	2.0E+02	4.0E-01	1.2E-01
AOI 19	SVOC	Phenanthrene	85-01-8	T	D	2	1	1.00E-03	1.00E-03	1.5E-01	1.0E+00			6.7E-03	1.0E-03	
AOI 19	INORG	Arsenic	7440-38-2	T	A	2	1	2.60E-03	2.60E-03	5.0E-02	4.3E+00			5.2E-02	6.0E-04	
AOI 19	INORG	Cobalt	7440-48-4	T	B1	2	2	9.50E-04	1.30E-03	1.0E-01	2.4E+03			1.3E-02	5.4E-07	
AOI 19	INORG	Manganese	7439-96-5	T	D	2	2	2.30E-01	2.70E-01	2.5E+00	9.1E+03			1.1E-01	3.0E-05	
AOI 19	INORG	Nickel	7440-02-0	T	A	2	2	6.40E-03	8.80E-03	1.0E-01	7.4E+04			8.8E-02	1.2E-07	
AOI 19	INORG	Selenium	7782-49-2	T	D	2	2	9.30E-04	1.30E-03	5.0E-02	9.7E+02			2.6E-02	1.3E-06	
AOI 19	INORG	Vanadium	7440-62-2	T		2	1	7.80E-04	7.80E-04	6.2E-02	9.7E+02			1.3E-02	8.0E-07	
AOI 21	VOC	Acetone	67-64-1	T	ID	18	3	9.80E-04	1.65E-02	2.1E+00	3.1E+04	3.6E+05	nc	7.9E-03	5.3E-07	4.6E-08
AOI 21	VOC	Benzene	71-43-2	T	A	18	6	2.55E-04	1.10E-03	5.0E-03	1.1E+01	8.1E+00	c	2.2E-01	1.0E-04	1.3E-04
AOI 21	VOC	2-Butanone	78-93-3	T	ID	18	4	8.40E-04	4.70E-03	3.8E+01	2.4E+05	4.1E+05	nc	1.2E-04	2.0E-08	1.1E-08
AOI 21	VOC	Carbon Disulfide	75-15-0	T		18	1	3.00E-04	3.00E-04	2.3E+00	1.2E+03	8.2E+02	nc	1.3E-04	2.5E-07	3.7E-07
AOI 21	VOC	Chloroethane	75-00-3	T		18	7	4.20E-04	1.90E-02	1.7E+00	4.4E+02			1.1E-02	4.3E-05	
AOI 21	VOC	1,2-Dichlorobenzene	95-50-1	T	D	18	1	1.70E-04	1.70E-04	6.0E-01	1.6E+02	9.3E+02	nc	2.8E-04	1.1E-06	1.8E-07
AOI 21	VOC	1,1-Dichloroethane	75-34-3	T	C	18	12	4.70E-04	1.30E-02	2.5E+00	2.4E+03	1.1E+03	nc	5.2E-03	5.4E-06	1.2E-05
AOI 21	VOC	1,2-Dichloroethane	107-06-2	T	B2	18	4	2.60E-04	3.50E-04	5.0E-03	1.9E+01	7.0E+00	c	7.0E-02	1.8E-05	5.0E-05
AOI 21	VOC	1,1-Dichloroethene	75-35-4	T	C	18	5	7.80E-04	3.00E-03	7.0E-03	1.1E+01	2.4E+02	nc	4.3E-01	2.7E-04	1.2E-05
AOI 21	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	18	3	6.70E-04	8.30E-04	7.0E-02	2.0E+02	8.9E+01	nc	1.2E-02	4.2E-06	9.3E-06
AOI 21	VOC	trans-1,2-Dichloroethene	156-60-5	T		18	1	4.50E-04	4.50E-04	1.0E-01	2.2E+02	1.2E+02	nc	4.5E-03	2.0E-06	3.9E-06
AOI 21	VOC	Ethyl Benzene	100-41-4	T	D	18	2	2.30E-04	1.30E-03	7.0E-01	1.7E+02	2.3E+03	nc	1.9E-03	7.6E-06	5.7E-07
AOI 21	VOC	4-Methyl-2-pentanone	108-10-1	T	ID	18	1	4.35E-04	4.35E-04	5.2E+00	1.3E+04	1.1E+05	nc	8.4E-05	3.3E-08	4.0E-09
AOI 21	VOC	Methylcyclohexane	108-87-2	T		18	1	2.30E-03	2.30E-03							
AOI 21	VOC	Tetrachloroethene	127-18-4	T	C-B2	18	2	4.90E-04	5.80E-04	5.0E-03	1.2E+01	1.5E+01	c	1.2E-01	4.8E-05	3.8E-05
AOI 21	VOC	Toluene	108-88-3	T	D	18	5	1.90E-04	9.50E-04	1.0E+00	5.3E+02	9.0E+02	nc	9.5E-04	1.8E-06	1.1E-06
AOI 21	VOC	1,2,4-Trichlorobenzene	120-82-1	T	D	18	1	4.90E-04	4.90E-04	7.0E-02	1.9E+01	1.3E+03	nc	7.0E-03	2.6E-05	3.8E-07
AOI 21	VOC	1,1,1-Trichloroethane	71-55-6	T	D	18	9	2.50E-04	6.00E-02	2.0E-01	1.3E+03	3.5E+03	nc	3.0E-01	4.6E-05	1.7E-05
AOI 21	VOC	Trichloroethene	79-01-6	T	C-B2	18	3	2.30E-04	6.50E-04	5.0E-03	2.2E+01	3.1E+01	c	1.3E-01	3.0E-05	2.1E-05
AOI 21	VOC	Vinyl Chloride	75-01-4	T	A	18	6	4.30E-04	3.90E-02	2.0E-03	1.0E+00	3.3E+00	c	2.0E+01	3.9E-02	1.2E-02
AOI 21	VOC	Xylenes (total)	1330-20-7	T	ID	18	4	5.20E-04	4.80E-03	1.0E+01	1.9E+02		nc	4.8E-04	2.5E-05	2.1E-05
AOI 21	SVOC	Biphenyl	92-52-4	T	D	10	2	6.80E-04	2.70E-03			2.9E+03	nc			9.4E-07
AOI 21	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T	B2	10	3	4.50E-04	4.60E-03	6.0E-03	3.2E-01	2.9E+05	c	7.7E-01	1.4E-02	1.6E-08
AOI 21	SVOC	Fluorene	86-73-7	T	D	10	2	1.70E-03	3.10E-03	2.0E+00	2.0E+00	1.1E+04	nc	1.6E-03	1.6E-03	2.7E-07
AOI 21	SVOC	2-Methylnaphthalene	91-57-6	T	ID	10	2	2.50E-03	3.10E-03	7.5E-01	2.5E+01			4.1E-03	1.2E-04	
AOI 21	SVOC	Naphthalene	91-20-3	T	C	10	2	2.10E-03	2.30E-03	1.5E+00	3.1E+01	3.9E+01	nc	1.5E-03	7.4E-05	6.0E-05
AOI 21	SVOC	Phenanthrene	85-01-8	T	D	10	5	9.80E-04	3.65E-03	1.5E-01	1.0E+00			2.4E-02	3.7E-03	
AOI 21	INORG	Antimony	7440-36-0	T		4	1	2.20E-04	2.20E-04	6.0E-03	6.8E+01			3.7E-02	3.2E-06	

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 21	INORG	Arsenic	7440-38-2	T	A	4	1	6.80E-03	6.80E-03	5.0E-02	4.3E+00		1.4E-01	1.6E-03	
AOI 21	INORG	Barium	7440-39-3	T	D	4	4	6.40E-02	2.40E-01	2.0E+00	1.4E+04		1.2E-01	1.7E-05	
AOI 21	INORG	Cadmium	7440-43-9	T	B1	4	1	8.10E-05	8.10E-05	5.0E-03	1.9E+02		1.6E-02	4.3E-07	
AOI 21	INORG	Cobalt	7440-48-4	T	B1	4	1	1.90E-03	1.90E-03	1.0E-01	2.4E+03		1.9E-02	7.9E-07	
AOI 21	INORG	Cyanide (total)	57-12-5	T	D	2	1	6.80E-03	6.80E-03	2.0E-01	5.7E+01		3.4E-02	1.2E-04	
AOI 21	INORG	Manganese	7439-96-5	T	D	4	4	1.90E-01	5.70E-01	2.5E+00	9.1E+03		2.3E-01	6.3E-05	
AOI 21	INORG	Mercury	7439-97-6	T	D	4	3	1.00E-04	1.30E-04	2.0E-03	5.6E-02	9.6E-01	6.5E-02	2.3E-03	1.4E-04
AOI 21	INORG	Nickel	7440-02-0	T	A	10	10	7.20E-03	2.30E-02	1.0E-01	7.4E+04		2.3E-01	3.1E-07	
AOI 21	INORG	Selenium	7782-49-2	T	D	4	3	1.40E-03	6.00E-03	5.0E-02	9.7E+02		1.2E-01	6.2E-06	
AOI 21	INORG	Zinc	7440-66-6	T	D	4	1	2.90E-02	2.90E-02	5.0E+00	1.1E+05		5.8E-03	2.6E-07	
AOI 22	VOC	Acetone	67-64-1	T	ID	5	1	2.60E-03	2.60E-03	2.1E+00	3.1E+04	3.6E+05	1.2E-03	8.4E-08	7.2E-09
AOI 22	VOC	Carbon Disulfide	75-15-0	T		5	1	6.10E-04	6.10E-04	2.3E+00	1.2E+03	8.2E+02	2.7E-04	5.1E-07	7.4E-07
AOI 22	VOC	Chloroethane	75-00-3	T		5	2	1.90E-03	5.20E-03	1.7E+00	4.4E+02		3.1E-03	1.2E-05	
AOI 22	VOC	Chloroform	67-66-3	T	B2	5	1	5.20E-04	5.20E-04	1.0E-01	1.5E+02	3.3E+00	5.2E-03	3.5E-06	1.6E-04
AOI 22	VOC	1,1-Dichloroethane	75-34-3	T	C	5	2	4.60E-04	9.30E-04	2.5E+00	2.4E+03	1.1E+03	3.7E-04	3.9E-07	8.3E-07
AOI 22	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	5	3	3.80E-04	8.70E-04	7.0E-02	2.0E+02	8.9E+01	1.2E-02	4.4E-06	9.7E-06
AOI 22	VOC	Ethyl Benzene	100-41-4	T	D	5	2	7.00E-03	9.90E-03	7.0E-01	1.7E+02	2.3E+03	1.4E-02	5.8E-05	4.3E-06
AOI 22	VOC	4-Methyl-2-pentanone	108-10-1	T	ID	5	3	2.90E-04	3.80E-04	5.2E+00	1.3E+04	1.1E+05	7.3E-05	2.9E-08	3.5E-09
AOI 22	VOC	Toluene	108-88-3	T	D	5	2	4.70E-04	6.50E-04	1.0E+00	5.3E+02	9.0E+02	6.5E-04	1.2E-06	7.2E-07
AOI 22	VOC	Vinyl Chloride	75-01-4	T	A	5	3	3.80E-04	1.70E-03	2.0E-03	1.0E+00	3.3E+00	8.5E-01	1.7E-03	5.1E-04
AOI 22	VOC	Xylenes (total)	1330-20-7	T	ID	5	2	6.60E-04	8.20E-04	1.0E+01	1.9E+02	2.3E+02	8.2E-05	4.3E-06	3.6E-06
AOI 22	SVOC	Fluorene	86-73-7	T	D	2	1	2.00E-03	2.00E-03	2.0E+00	2.0E+00	1.1E+04	1.0E-03	1.0E-03	1.8E-07
AOI 22	SVOC	Phenanthrene	85-01-8	T	D	2	1	8.90E-04	8.90E-04	1.5E-01	1.0E+00		5.9E-03	8.9E-04	
AOI 22	INORG	Arsenic	7440-38-2	T	A	4	3	3.50E-03	5.80E-03	5.0E-02	4.3E+00		1.2E-01	1.3E-03	
AOI 22	INORG	Barium	7440-39-3	T	D	4	4	4.10E-02	1.40E-01	2.0E+00	1.4E+04		7.0E-02	1.0E-05	
AOI 22	INORG	Cadmium	7440-43-9	T	B1	4	2	8.60E-05	1.30E-04	5.0E-03	1.9E+02		2.6E-02	6.8E-07	
AOI 22	INORG	Chromium III	16065-83-1	T	D	9	3	2.50E-04	2.50E-03	1.1E+02	2.9E+05		2.3E-05	8.6E-09	
AOI 22	INORG	Chromium VI	18540-29-9	D	A	9	3	3.00E-03	9.00E-03	1.0E-01	4.6E+02		9.0E-02	2.0E-05	
AOI 22	INORG	Cobalt	7440-48-4	T	B1	4	1	4.10E-02	4.10E-02	1.0E-01	2.4E+03		4.1E-01	1.7E-05	
AOI 22	INORG	Cyanide (total)	57-12-5	T	D	4	3	4.70E-03	9.70E-03	2.0E-01	5.7E+01		4.9E-02	1.7E-04	
AOI 22	INORG	Manganese	7439-96-5	T	D	4	4	7.30E-02	1.00E+00	2.5E+00	9.1E+03		4.0E-01	1.1E-04	
AOI 22	INORG	Nickel	7440-02-0	T	A	9	9	9.50E-03	3.17E+02	1.0E-01	7.4E+04		3.2E+03	4.3E-03	
AOI 22	INORG	Selenium	7782-49-2	T	D	4	1	2.60E-03	2.60E-03	5.0E-02	9.7E+02		5.2E-02	2.7E-06	
AOI 22	INORG	Zinc	7440-66-6	T	D	4	3	2.40E-02	1.70E+00	5.0E+00	1.1E+05		3.4E-01	1.5E-05	
AOI 24	VOC	Acetone	67-64-1	T	ID	3	2	1.70E-03	1.60E-02	2.1E+00	3.1E+04	3.6E+05	7.6E-03	5.2E-07	4.4E-08
AOI 24	VOC	Benzene	71-43-2	T	A	3	1	6.60E-04	6.60E-04	5.0E-03	1.1E+01	8.1E+00	1.3E-01	6.0E-05	8.1E-05
AOI 24	VOC	2-Butanone	78-93-3	T	ID	3	1	3.90E-03	3.90E-03	3.8E+01	2.4E+05	4.1E+05	1.0E-04	1.6E-08	9.4E-09
AOI 24	VOC	Carbon Disulfide	75-15-0	T		3	2	2.80E-04	1.90E-03	2.3E+00	1.2E+03	8.2E+02	8.3E-04	1.6E-06	2.3E-06
AOI 24	VOC	Chloroethane	75-00-3	T		3	1	9.60E-04	9.60E-04	1.7E+00	4.4E+02		5.6E-04	2.2E-06	
AOI 24	VOC	Dichlorodifluoromethane	75-71-8	T		3	1	6.40E-04	6.40E-04	4.8E+00	3.0E+02	1.8E+02	1.3E-04	2.1E-06	3.6E-06
AOI 24	VOC	1,1-Dichloroethane	75-34-3	T	C	3	1	1.40E-03	1.40E-03	2.5E+00	2.4E+03	1.1E+03	5.6E-04	5.8E-07	1.2E-06
AOI 24	VOC	1,1-Dichloroethene	75-35-4	T	C	3	1	3.90E-04	3.90E-04	7.0E-03	1.1E+01	2.4E+02	5.6E-02	3.5E-05	1.6E-06
AOI 24	VOC	Ethyl Benzene	100-41-4	T	D	3	3	1.20E-03	1.70E-02	7.0E-01	1.7E+02	2.3E+03	2.4E-02	1.0E-04	7.5E-06
AOI 24	VOC	4-Methyl-2-pentanone	108-10-1	T	ID	3	1	1.20E-02	1.20E-02	5.2E+00	1.3E+04	1.1E+05	2.3E-03	9.2E-07	1.1E-07
AOI 24	VOC	Styrene	100-42-5	T		3	1	4.40E-04	4.40E-04	1.0E-01	9.7E+00	3.7E+03	4.4E-03	4.5E-05	1.2E-07
AOI 24	VOC	Toluene	108-88-3	T	D	3	1	3.20E-03	3.20E-03	1.0E+00	5.3E+02	9.0E+02	3.2E-03	6.0E-06	3.5E-06

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 24	VOC	Xylenes (total)	1330-20-7	T	ID	3	1	6.00E-03	6.00E-03	1.0E+01	1.9E+02	2.3E+02	nc	6.0E-04	3.2E-05	2.7E-05
AOI 24	SVOC	Carbazole	86-74-8	T	B2	2	1	1.30E-02	1.30E-02	3.5E-01	7.4E+00	1.3E+06	c	3.7E-02	1.8E-03	9.9E-09
AOI 24	SVOC	2,4-Dimethylphenol	105-67-9	T		2	1	2.70E-02	2.70E-02	1.0E+00	5.2E+02	1.5E+05	nc	2.7E-02	5.2E-05	1.7E-07
AOI 24	SVOC	Methylphenol (total)	1319-77-3	T		2	1	9.00E-02	9.00E-02	1.0E+00	8.1E+02	8.7E+05	nc	9.0E-02	1.1E-04	1.0E-07
AOI 24	SVOC	Naphthalene	91-20-3	T	C	2	1	1.00E-01	1.00E-01	1.5E+00	3.1E+01	3.9E+01	nc	6.7E-02	3.2E-03	2.6E-03
AOI 24	SVOC	Phenol	108-95-2	T	ID	2	1	1.10E-01	1.10E-01	1.3E+01	2.9E+04			8.5E-03	3.8E-06	
AOI 27	VOC	2-Butanone	78-93-3	T	ID	6	1	3.30E-03	3.30E-03	3.8E+01	2.4E+05	4.1E+05	nc	8.7E-05	1.4E-08	8.0E-09
AOI 27	VOC	Carbon Disulfide	75-15-0	T		6	1	1.00E-03	1.00E-03	2.3E+00	1.2E+03	8.2E+02	nc	4.3E-04	8.3E-07	1.2E-06
AOI 27	VOC	Chloroethane	75-00-3	T		6	2	2.10E-03	9.30E-03	1.7E+00	4.4E+02			5.5E-03	2.1E-05	
AOI 27	VOC	Chloroform	67-66-3	T	B2	6	1	2.70E-04	2.70E-04	1.0E-01	1.5E+02	3.3E+00	c	2.7E-03	1.8E-06	8.2E-05
AOI 27	VOC	1,1-Dichloroethane	75-34-3	T	C	6	6	6.50E-04	4.90E-03	2.5E+00	2.4E+03	1.1E+03	nc	2.0E-03	2.0E-06	4.4E-06
AOI 27	VOC	1,1-Dichloroethene	75-35-4	T	C	6	2	1.60E-03	1.70E-03	7.0E-03	1.1E+01	2.4E+02	nc	2.4E-01	1.5E-04	7.0E-06
AOI 27	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	6	2	9.30E-03	1.50E-02	7.0E-02	2.0E+02	8.9E+01	nc	2.1E-01	7.5E-05	1.7E-04
AOI 27	VOC	trans-1,2-Dichloroethene	156-60-5	T		6	2	1.30E-03	2.00E-03	1.0E-01	2.2E+02	1.2E+02	nc	2.0E-02	9.1E-06	1.7E-05
AOI 27	VOC	1,1,1-Trichloroethane	71-55-6	T	D	6	4	3.80E-03	9.80E-02	2.0E-01	1.3E+03	3.5E+03	nc	4.9E-01	7.5E-05	2.8E-05
AOI 27	VOC	Xylenes (total)	1330-20-7	T	ID	6	1	6.70E-04	6.70E-04	1.0E+01	1.9E+02	2.3E+02	nc	6.7E-05	3.5E-06	3.0E-06
AOI 27	SVOC	Acetophenone	98-86-2	T	D	4	3	9.40E-04	1.10E-03	4.4E+00	6.1E+03	1.5E+05	nc	2.5E-04	1.8E-07	7.5E-09
AOI 27	SVOC	Anthracene	120-12-7	T	D	4	1	7.10E-04	7.10E-04	4.3E-02	4.3E-02			1.7E-02	1.7E-02	
AOI 27	SVOC	Benzaldehyde	100-52-7	T		4	1	3.50E-03	3.50E-03							
AOI 28	VOC	Acetone	67-64-1	T	ID	36	1	1.45E-03	1.45E-03	2.1E+00	3.1E+04	3.6E+05	nc	6.9E-04	4.7E-08	4.0E-09
AOI 28	VOC	Bromomethane	74-83-9	T	D	36	1	3.20E-04	3.20E-04	2.9E-02	7.0E+01	9.9E+00	nc	1.1E-02	4.6E-06	3.2E-05
AOI 28	VOC	2-Butanone	78-93-3	T	ID	36	1	3.30E-03	3.30E-03	3.8E+01	2.4E+05	4.1E+05	nc	8.7E-05	1.4E-08	8.0E-09
AOI 28	VOC	Chloroethane	75-00-3	T		36	14	1.70E-03	2.90E-01	1.7E+00	4.4E+02			1.7E-01	6.6E-04	
AOI 28	VOC	Chloroform	67-66-3	T	B2	36	1	1.10E-03	1.10E-03	1.0E-01	1.5E+02	3.3E+00	c	1.1E-02	7.3E-06	3.3E-04
AOI 28	VOC	1,1-Dichloroethane	75-34-3	T	C	36	28	6.50E-04	1.30E-01	2.5E+00	2.4E+03	1.1E+03	nc	5.2E-02	5.4E-05	1.2E-04
AOI 28	VOC	1,2-Dichloroethane	107-06-2	T	B2	36	10	4.30E-04	2.30E-03	5.0E-03	1.9E+01	7.0E+00	c	4.6E-01	1.2E-04	3.3E-04
AOI 28	VOC	1,1-Dichloroethene	75-35-4	T	C	36	15	6.30E-04	9.90E-02	7.0E-03	1.1E+01	2.4E+02	nc	1.4E+01	9.0E-03	4.1E-04
AOI 28	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	36	10	1.10E-03	7.00E-02	7.0E-02	2.0E+02	8.9E+01	nc	1.0E+00	3.5E-04	7.8E-04
AOI 28	VOC	trans-1,2-Dichloroethene	156-60-5	T		36	7	2.70E-04	4.20E-03	1.0E-01	2.2E+02	1.2E+02	nc	4.2E-02	1.9E-05	3.6E-05
AOI 28	VOC	Methyl tert-butyl ether	1634-04-4	T		36	1	6.60E-03	6.60E-03	6.9E-01	6.1E+02	1.4E+03	c	9.6E-03	1.1E-05	4.7E-06
AOI 28	VOC	Methylene Chloride	75-09-2	T	B2	36	2	9.30E-03	1.30E-02	5.0E-03	2.2E+02	2.1E+02	c	2.6E+00	5.9E-05	6.2E-05
AOI 28	VOC	Tetrachloroethene	127-18-4	T	C-B2	36	8	7.00E-04	2.00E-01	5.0E-03	1.2E+01	1.5E+01	c	4.0E+01	1.7E-02	1.3E-02
AOI 28	VOC	1,1,1-Trichloroethane	71-55-6	T	D	36	22	8.10E-04	1.50E+00	2.0E-01	1.3E+03	3.5E+03	nc	7.5E+00	1.2E-03	4.3E-04
AOI 28	VOC	1,1,2-Trichloroethane	79-00-5	T	C	36	3	1.10E-02	1.90E-02	5.0E-03	2.1E+01	1.3E+01	c	3.8E+00	9.0E-04	1.5E-03
AOI 28	VOC	Trichloroethene	79-01-6	T	C-B2	36	6	4.40E-04	1.40E-02	5.0E-03	2.2E+01	3.1E+01	c	2.8E+00	6.4E-04	4.6E-04
AOI 28	VOC	Xylenes (total)	1330-20-7	T	ID	36	1	6.70E-04	6.70E-04	1.0E+01	1.9E+02	2.3E+02	nc	6.7E-05	3.5E-06	3.0E-06
AOI 28	SVOC	Acenaphthene	83-32-9	T		8	1	2.20E-03	2.20E-03	3.8E+00	4.2E+00	7.4E+03	nc	5.8E-04	5.2E-04	3.0E-07
AOI 28	SVOC	Acetophenone	98-86-2	T	D	8	2	9.40E-04	1.10E-03	4.4E+00	6.1E+03	1.5E+05	nc	2.5E-04	1.8E-07	7.5E-09
AOI 28	SVOC	Benzaldehyde	100-52-7	T		8	1	3.50E-03	3.50E-03							
AOI 28	SVOC	Carbazole	86-74-8	T	B2	8	1	3.00E-03	3.00E-03	3.5E-01	7.4E+00	1.3E+06	c	8.6E-03	4.1E-04	2.3E-09
AOI 28	SVOC	Dibenzofuran	132-64-9	T	D	8	1	1.50E-03	1.50E-03			2.8E+03	nc			5.3E-07
AOI 28	SVOC	Fluoranthene	206-44-0	T	D	8	1	1.20E-03	1.20E-03	2.1E-01	2.1E-01	4.4E+04	nc	5.7E-03	5.7E-03	2.8E-08
AOI 28	SVOC	Fluorene	86-73-7	T	D	8	2	1.80E-03	1.80E-03	2.0E+00	2.0E+00	1.1E+04	nc	9.0E-04	9.0E-04	1.6E-07
AOI 28	SVOC	N-Nitroso-di-n-propylamine	621-64-7	T	B2	8	1	2.00E-03	2.00E-03	5.0E-03	3.6E-01	2.8E+01	c	4.0E-01	5.6E-03	7.2E-05
AOI 28	SVOC	Phenanthrene	85-01-8	T	D	8	1	1.70E-03	1.70E-03	1.5E-01	1.0E+00			1.1E-02	1.7E-03	
AOI 28	INORG	Arsenic	7440-38-2	T	A	6	1	3.30E-03	3.30E-03	5.0E-02	4.3E+00			6.6E-02	7.7E-04	

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)			Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 28	INORG	Barium	7440-39-3	T	D	6	6	1.50E-02	8.00E-02	2.0E+00	1.4E+04				4.0E-02	5.7E-06	
AOI 28	INORG	Cadmium	7440-43-9	T	B1	6	1	1.40E-04	1.40E-04	5.0E-03	1.9E+02				2.8E-02	7.4E-07	
AOI 28	INORG	Cobalt	7440-48-4	T	B1	6	4	9.80E-04	3.00E-03	1.0E-01	2.4E+03				3.0E-02	1.3E-06	
AOI 28	INORG	Cyanide (total)	57-12-5	T	D	6	1	2.80E-03	2.80E-03	2.0E-01	5.7E+01				1.4E-02	4.9E-05	
AOI 28	INORG	Lead	7439-92-1	T	B2	6	1	1.25E-03	1.25E-03	4.0E-03					3.1E-01		
AOI 28	INORG	Manganese	7439-96-5	T	D	6	6	6.90E-02	6.10E-01	2.5E+00	9.1E+03				2.4E-01	6.7E-05	
AOI 28	INORG	Nickel	7440-02-0	T	A	8	3	7.05E-03	7.30E-02	1.0E-01	7.4E+04				7.3E-01	9.9E-07	
AOI 28	INORG	Zinc	7440-66-6	T	D	6	2	6.90E-02	3.20E-01	5.0E+00	1.1E+05				6.4E-02	2.9E-06	
AOI 30	VOC	Benzene	71-43-2	T	A	16	2	1.90E-03	2.60E-03	5.0E-03	1.1E+01	8.1E+00	c		5.2E-01	2.4E-04	3.2E-04
AOI 30	VOC	Carbon Disulfide	75-15-0	T		16	3	1.80E-04	3.80E-04	2.3E+00	1.2E+03	8.2E+02	nc		1.7E-04	3.2E-07	4.6E-07
AOI 30	VOC	Chloroethane	75-00-3	T		16	9	3.40E-04	1.20E-02	1.7E+00	4.4E+02				7.1E-03	2.7E-05	
AOI 30	VOC	Chloroform	67-66-3	T	B2	16	4	5.60E-04	8.60E-04	1.0E-01	1.5E+02	3.3E+00	c		8.6E-03	5.7E-06	2.6E-04
AOI 30	VOC	Cyclohexane	110-82-7	T	ID	16	1	1.20E-03	1.20E-03			5.0E+03	nc				2.4E-07
AOI 30	VOC	1,1-Dichloroethane	75-34-3	T	C	16	13	3.10E-04	1.80E-02	2.5E+00	2.4E+03	1.1E+03	nc		7.2E-03	7.5E-06	1.6E-05
AOI 30	VOC	1,2-Dichloroethane	107-06-2	T	B2	16	3	2.40E-04	4.40E-04	5.0E-03	1.9E+01	7.0E+00	c		8.8E-02	2.3E-05	6.3E-05
AOI 30	VOC	1,1-Dichloroethene	75-35-4	T	C	16	5	4.10E-04	1.70E-03	7.0E-03	1.1E+01	2.4E+02	nc		2.4E-01	1.5E-04	7.0E-06
AOI 30	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	16	4	4.30E-04	9.30E-04	7.0E-02	2.0E+02	8.9E+01	nc		1.3E-02	4.7E-06	1.0E-05
AOI 30	VOC	Ethyl Benzene	100-41-4	T	D	16	1	3.60E-03	3.60E-03	7.0E-01	1.7E+02	2.3E+03	nc		5.1E-03	2.1E-05	1.6E-06
AOI 30	VOC	Methyl tert-butyl ether	1634-04-4	T		16	4	2.70E-04	1.10E-02	6.9E-01	6.1E+02	1.4E+03	c		1.6E-02	1.8E-05	7.8E-06
AOI 30	VOC	1,2,4-Trichlorobenzene	120-82-1	T	D	16	2	1.10E-03	1.20E-03	7.0E-02	1.9E+01	1.3E+03	nc		1.7E-02	6.3E-05	9.3E-07
AOI 30	VOC	1,1,1-Trichloroethane	71-55-6	T	D	16	10	6.70E-04	1.30E-02	2.0E-01	1.3E+03	3.5E+03	nc		6.5E-02	1.0E-05	3.7E-06
AOI 30	VOC	Trichloroethene	79-01-6	T	C-B2	16	1	5.50E-04	5.50E-04	5.0E-03	2.2E+01	3.1E+01	c		1.1E-01	2.5E-05	1.8E-05
AOI 30	VOC	Vinyl Chloride	75-01-4	T	A	16	4	4.70E-04	1.70E-03	2.0E-03	1.0E+00	3.3E+00	c		8.5E-01	1.7E-03	5.1E-04
AOI 30	VOC	Xylenes (total)	1330-20-7	T	ID	16	2	2.50E-02	6.10E-02	1.0E+01	1.9E+02	2.3E+02	nc		6.1E-03	3.2E-04	2.7E-04
AOI 30	INORG	Arsenic	7440-38-2	T	A	3	1	5.40E-03	5.40E-03	5.0E-02	4.3E+00				1.1E-01	1.3E-03	
AOI 30	INORG	Barium	7440-39-3	T	D	3	3	2.40E-02	1.10E-01	2.0E+00	1.4E+04				5.5E-02	7.9E-06	
AOI 30	INORG	Manganese	7439-96-5	T	D	3	3	1.90E-01	3.30E-01	2.5E+00	9.1E+03				1.3E-01	3.6E-05	
AOI 31	VOC	Acetone	67-64-1	T	ID	52	3	2.00E-03	2.60E-03	2.1E+00	3.1E+04	3.6E+05	nc		1.2E-03	8.4E-08	7.2E-09
AOI 31	VOC	Benzene	71-43-2	T	A	52	1	1.25E-04	1.25E-04	5.0E-03	1.1E+01	8.1E+00	c		2.5E-02	1.1E-05	1.5E-05
AOI 31	VOC	Carbon Tetrachloride	56-23-5	T	B2	52	1	2.20E-04	2.20E-04	5.0E-03	4.6E+00	2.5E+00	c		4.4E-02	4.8E-05	8.8E-05
AOI 31	VOC	Chloroform	67-66-3	T	B2	52	1	1.40E-03	1.40E-03	1.0E-01	1.5E+02	3.3E+00	c		1.4E-02	9.3E-06	4.2E-04
AOI 31	VOC	1,1-Dichloroethane	75-34-3	T	C	52	16	2.40E-04	1.40E-03	2.5E+00	2.4E+03	1.1E+03	nc		5.6E-04	5.8E-07	1.2E-06
AOI 31	VOC	1,1-Dichloroethene	75-35-4	T	C	51	5	7.00E-04	1.40E-03	7.0E-03	1.1E+01	2.4E+02	nc		2.0E-01	1.3E-04	5.7E-06
AOI 31	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	52	9	7.20E-04	4.60E-03	7.0E-02	2.0E+02	8.9E+01	nc		6.6E-02	2.3E-05	5.1E-05
AOI 31	VOC	2-Hexanone	591-78-6	T		52	1	7.70E-04	7.70E-04	2.9E+00	5.2E+03	1.2E+01	nc		2.7E-04	1.5E-07	6.4E-05
AOI 31	VOC	Toluene	108-88-3	T	D	52	2	3.45E-04	4.20E-04	1.0E+00	5.3E+02	9.0E+02	nc		4.2E-04	7.9E-07	4.7E-07
AOI 31	VOC	1,2,4-Trichlorobenzene	120-82-1	T	D	52	1	1.30E-03	1.30E-03	7.0E-02	1.9E+01	1.3E+03	nc		1.9E-02	6.8E-05	1.0E-06
AOI 31	VOC	1,1,1-Trichloroethane	71-55-6	T	D	52	32	2.05E-04	8.50E-02	2.0E-01	1.3E+03	3.5E+03	nc		4.3E-01	6.5E-05	2.4E-05
AOI 31	VOC	Trichloroethene	79-01-6	T	C-B2	52	29	7.40E-04	1.00E-01	5.0E-03	2.2E+01	3.1E+01	c		2.0E+01	4.5E-03	3.3E-03
AOI 31	VOC	Xylenes (total)	1330-20-7	T	ID	52	2	5.65E-04	1.00E-03	1.0E+01	1.9E+02	2.3E+02	nc		1.0E-04	5.3E-06	4.4E-06
AOI 31	SVOC	Hexachloroethane	67-72-1	T	C	2	1	3.94E-03	3.94E-03	2.1E-02	1.9E+00	6.1E+01	c		1.9E-01	2.1E-03	6.5E-05
AOI 31	INORG	Manganese	7439-96-5	D	D	6	4	1.10E-03	2.20E-01	2.5E+00	9.1E+03				8.8E-02	2.4E-05	
AOI 31	INORG	Manganese	7439-96-5	T	D	6	4	3.70E-03	2.30E-01	2.5E+00	9.1E+03				9.2E-02	2.5E-05	
AOI 33	VOC	Acetone	67-64-1	T	ID	44	14	1.20E-03	3.30E-02	2.1E+00	3.1E+04	3.6E+05	nc		1.6E-02	1.1E-06	9.1E-08
AOI 33	VOC	Bromomethane	74-83-9	T	D	46	1	1.80E-03	1.80E-03	2.9E-02	7.0E+01	9.9E+00	nc		6.2E-02	2.6E-05	1.8E-04
AOI 33	VOC	2-Butanone	78-93-3	T	ID	46	3	1.40E-03	5.30E-03	3.8E+01	2.4E+05	4.1E+05	nc		1.4E-04	2.2E-08	1.3E-08

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 33	VOC	Carbon Disulfide	75-15-0	T		46	4	2.25E-04	7.30E-04	2.3E+00	1.2E+03	8.2E+02	nc	3.2E-04	6.1E-07	8.9E-07
AOI 33	VOC	Chloroethane	75-00-3	T		46	13	4.40E-04	1.00E-01	1.7E+00	4.4E+02			5.9E-02	2.3E-04	
AOI 33	VOC	Chloroform	67-66-3	T	B2	46	5	4.30E-04	1.10E-03	1.0E-01	1.5E+02	3.3E+00	c	1.1E-02	7.3E-06	3.3E-04
AOI 33	VOC	1,1-Dichloroethane	75-34-3	T	C	46	37	3.00E-04	1.10E-01	2.5E+00	2.4E+03	1.1E+03	nc	4.4E-02	4.6E-05	9.8E-05
AOI 33	VOC	1,2-Dichloroethane	107-06-2	T	B2	46	5	5.70E-04	1.40E-03	5.0E-03	1.9E+01	7.0E+00	c	2.8E-01	7.4E-05	2.0E-04
AOI 33	VOC	1,1-Dichloroethene	75-35-4	T	C	46	21	3.40E-04	5.40E-02	7.0E-03	1.1E+01	2.4E+02	nc	7.7E+00	4.9E-03	2.2E-04
AOI 33	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	46	24	2.60E-04	2.00E-01	7.0E-02	2.0E+02	8.9E+01	nc	2.9E+00	1.0E-03	2.2E-03
AOI 33	VOC	trans-1,2-Dichloroethene	156-60-5	T		46	12	6.80E-04	6.70E-03	1.0E-01	2.2E+02	1.2E+02	nc	6.7E-02	3.0E-05	5.7E-05
AOI 33	VOC	4-Methyl-2-pentanone	108-10-1	T	ID	46	5	3.30E-04	4.60E-03	5.2E+00	1.3E+04	1.1E+05	nc	8.8E-04	3.5E-07	4.2E-08
AOI 33	VOC	Methylene Chloride	75-09-2	T	B2	46	7	9.10E-04	4.60E-03	5.0E-03	2.2E+02	2.1E+02	c	9.2E-01	2.1E-05	2.2E-05
AOI 33	VOC	Tetrachloroethene	127-18-4	T	C-B2	46	3	2.10E-02	3.10E-02	5.0E-03	1.2E+01	1.5E+01	c	6.2E+00	2.6E-03	2.0E-03
AOI 33	VOC	Toluene	108-88-3	T	D	46	1	4.00E-04	4.00E-04	1.0E+00	5.3E+02	9.0E+02	nc	4.0E-04	7.5E-07	4.4E-07
AOI 33	VOC	1,1,1-Trichloroethane	71-55-6	T	D	46	25	2.10E-04	4.90E-01	2.0E-01	1.3E+03	3.5E+03	nc	2.5E+00	3.8E-04	1.4E-04
AOI 33	VOC	Trichloroethene	79-01-6	T	C-B2	46	9	2.50E-03	1.80E-01	5.0E-03	2.2E+01	3.1E+01	c	3.6E+01	8.2E-03	5.9E-03
AOI 33	VOC	Vinyl Chloride	75-01-4	T	A	46	22	7.90E-04	2.70E-01	2.0E-03	1.0E+00	3.3E+00	c	1.4E+02	2.7E-01	8.1E-02
AOI 33	VOC	Xylenes (total)	1330-20-7	T	ID	46	2	4.70E-04	5.10E-04	1.0E+01	1.9E+02	2.3E+02	nc	5.1E-05	2.7E-06	2.3E-06
AOI 33	SVOC	Benzo(a)pyrene	50-32-8	T	B2	9	1	1.20E-03	1.20E-03	5.0E-03	2.0E-03	1.2E+02	c	2.4E-01	6.0E-01	9.7E-06
AOI 33	SVOC	Benzo(b)fluoranthene	205-99-2	T	B2	9	1	1.00E-03	1.00E-03	2.0E-03	2.0E-03	7.4E+00	c	5.0E-01	5.0E-01	1.4E-04
AOI 33	SVOC	Benzo(g,h,i)perylene	191-24-2	T	D	9	1	1.40E-03	1.40E-03	5.0E-03	5.0E-03	3.2E+06	nc	2.8E-01	2.8E-01	4.3E-10
AOI 33	SVOC	Benzo(k)fluoranthene	207-08-9	T	B2	9	1	1.10E-03	1.10E-03	5.0E-03	5.0E-03	7.5E+03	c	2.2E-01	2.2E-01	1.5E-07
AOI 33	SVOC	Dibenz(a,h)anthracene	53-70-3	T	B2	9	1	1.70E-03	1.70E-03	2.0E-03	2.0E-03	3.8E+03	c	8.5E-01	8.5E-01	4.5E-07
AOI 33	SVOC	2,4-Dimethylphenol	105-67-9	T		9	1	1.60E-03	1.60E-03	1.0E+00	5.2E+02	1.5E+05	nc	1.6E-03	3.1E-06	1.0E-08
AOI 33	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	B2	9	1	1.60E-03	1.60E-03	2.0E-03	2.0E-03	4.1E+02	c	8.0E-01	8.0E-01	3.9E-06
AOI 33	SVOC	2-Methylnaphthalene	91-57-6	T	ID	9	1	6.70E-04	6.70E-04	7.5E-01	2.5E+01			8.9E-04	2.7E-05	
AOI 33	SVOC	Methylphenol (total)	1319-77-3	T		9	1	7.50E-03	7.50E-03	1.0E+00	8.1E+02	8.7E+05	nc	7.5E-03	9.3E-06	8.6E-09
AOI 33	SVOC	Phenol	108-95-2	T	ID	9	2	3.30E-03	5.80E-02	1.3E+01	2.9E+04			4.5E-03	2.0E-06	
AOI 33	INORG	Arsenic	7440-38-2	T	A	9	6	2.20E-03	4.60E-03	5.0E-02	4.3E+00			9.2E-02	1.1E-03	
AOI 33	INORG	Barium	7440-39-3	T	D	9	9	2.80E-02	2.70E-01	2.0E+00	1.4E+04			1.4E-01	1.9E-05	
AOI 33	INORG	Chromium III	16065-83-1	T	D	15	1	1.80E-03	1.80E-03	1.1E+02	2.9E+05			1.6E-05	6.2E-09	
AOI 33	INORG	Cobalt	7440-48-4	T	B1	9	2	8.40E-04	1.30E-03	1.0E-01	2.4E+03			1.3E-02	5.4E-07	
AOI 33	INORG	Manganese	7439-96-5	T	D	9	9	2.10E-02	2.90E-01	2.5E+00	9.1E+03			1.2E-01	3.2E-05	
AOI 33	INORG	Nickel	7440-02-0	T	A	16	8	3.40E-03	4.30E-02	1.0E-01	7.4E+04			4.3E-01	5.8E-07	
AOI 33	INORG	Selenium	7782-49-2	T	D	9	1	3.20E-03	3.20E-03	5.0E-02	9.7E+02			6.4E-02	3.3E-06	
AOI 33	INORG	Vanadium	7440-62-2	T		9	3	6.80E-04	6.60E-03	6.2E-02	9.7E+02			1.1E-01	6.8E-06	
AOI 33	INORG	Zinc	7440-66-6	T	D	9	1	8.00E-01	8.00E-01	5.0E+00	1.1E+05			1.6E-01	7.3E-06	
AOI 37	VOC	Carbon Disulfide	75-15-0	T		9	1	1.00E-03	1.00E-03	2.3E+00	1.2E+03	8.2E+02	nc	4.3E-04	8.3E-07	1.2E-06
AOI 37	VOC	Chloroethane	75-00-3	T		9	5	1.70E-03	6.80E-03	1.7E+00	4.4E+02			4.0E-03	1.5E-05	
AOI 37	VOC	Chloroform	67-66-3	T	B2	9	1	2.70E-04	2.70E-04	1.0E-01	1.5E+02	3.3E+00	c	2.7E-03	1.8E-06	8.2E-05
AOI 37	VOC	1,1-Dichloroethane	75-34-3	T	C	9	8	8.20E-04	1.40E-02	2.5E+00	2.4E+03	1.1E+03	nc	5.6E-03	5.8E-06	1.2E-05
AOI 37	VOC	1,2-Dichloroethane	107-06-2	T	B2	9	4	4.30E-04	1.50E-03	5.0E-03	1.9E+01	7.0E+00	c	3.0E-01	7.9E-05	2.1E-04
AOI 37	VOC	1,1-Dichloroethene	75-35-4	T	C	9	6	6.30E-04	1.20E-02	7.0E-03	1.1E+01	2.4E+02	nc	1.7E+00	1.1E-03	4.9E-05
AOI 37	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	9	7	5.80E-03	7.00E-02	7.0E-02	2.0E+02	8.9E+01	nc	1.0E+00	3.5E-04	7.8E-04
AOI 37	VOC	trans-1,2-Dichloroethene	156-60-5	T		9	5	2.70E-04	4.20E-03	1.0E-01	2.2E+02	1.2E+02	nc	4.2E-02	1.9E-05	3.6E-05
AOI 37	VOC	1,1,1-Trichloroethane	71-55-6	T	D	9	7	5.90E-03	1.70E-01	2.0E-01	1.3E+03	3.5E+03	nc	8.5E-01	1.3E-04	4.9E-05
AOI 37	VOC	Trichloroethene	79-01-6	T	C-B2	9	3	8.40E-03	1.40E-02	5.0E-03	2.2E+01	3.1E+01	c	2.8E+00	6.4E-04	4.6E-04
AOI 37	SVOC	Acenaphthene	83-32-9	T		3	1	2.20E-03	2.20E-03	3.8E+00	4.2E+00	7.4E+03	nc	5.8E-04	5.2E-04	3.0E-07

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 37	SVOC	Acetophenone	98-86-2	T	D	3	1	9.50E-04	9.50E-04	4.4E+00	6.1E+03	1.5E+05	nc	2.2E-04	1.6E-07	6.5E-09
AOI 37	SVOC	Anthracene	120-12-7	T	D	3	1	7.10E-04	7.10E-04	4.3E-02	4.3E-02			1.7E-02	1.7E-02	
AOI 37	SVOC	Dibenzofuran	132-64-9	T	D	3	1	1.50E-03	1.50E-03			2.8E+03	nc			5.3E-07
AOI 37	SVOC	Fluoranthene	206-44-0	T	D	3	1	1.20E-03	1.20E-03	2.1E-01	2.1E-01	4.4E+04	nc	5.7E-03	5.7E-03	2.8E-08
AOI 37	SVOC	Fluorene	86-73-7	T	D	3	1	1.80E-03	1.80E-03	2.0E+00	2.0E+00	1.1E+04	nc	9.0E-04	9.0E-04	1.6E-07
AOI 37	SVOC	Phenanthrene	85-01-8	T	D	3	1	1.70E-03	1.70E-03	1.5E-01	1.0E+00			1.1E-02	1.7E-03	
AOI 37	INORG	Barium	7440-39-3	T	D	1	1	2.40E-02	2.40E-02	2.0E+00	1.4E+04			1.2E-02	1.7E-06	
AOI 37	INORG	Manganese	7439-96-5	T	D	1	1	6.10E-01	6.10E-01	2.5E+00	9.1E+03			2.4E-01	6.7E-05	
AOI 39	VOC	Acetone	67-64-1	T	ID	28	1	1.60E-03	1.60E-03	2.1E+00	3.1E+04	3.6E+05	nc	7.6E-04	5.2E-08	4.4E-09
AOI 39	VOC	Benzene	71-43-2	T	A	28	5	8.80E-04	2.75E-03	1.5E-03	1.1E+01	8.1E+00	c	5.5E-01	2.5E-04	3.4E-04
AOI 39	VOC	Bromodichloromethane	75-27-4	T	B2	28	2	2.90E-03	3.30E-03	1.0E-01	1.4E+01	8.6E+00	c	3.3E-02	2.4E-04	3.8E-04
AOI 39	VOC	Carbon Disulfide	75-15-0	T		28	1	3.90E-04	3.90E-04	2.3E+00	1.2E+03	8.2E+02	nc	1.7E-04	3.3E-07	4.8E-07
AOI 39	VOC	Chloroethane	75-00-3	T		28	4	2.45E-03	1.60E-02	1.7E+00	4.4E+02			9.4E-03	3.6E-05	
AOI 39	VOC	Chloroform	67-66-3	T	B2	28	4	4.20E-04	8.80E-03	1.0E-01	1.5E+02	3.3E+00	c	8.8E-02	5.9E-05	2.7E-03
AOI 39	VOC	1,1-Dichloroethane	75-34-3	T	C	28	11	2.60E-04	8.35E-03	2.5E+00	2.4E+03	1.1E+03	nc	3.3E-03	3.5E-06	7.5E-06
AOI 39	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	28	10	4.20E-04	1.65E-01	7.0E-02	2.0E+02	8.9E+01	nc	2.4E+00	8.3E-04	1.8E-03
AOI 39	VOC	Toluene	108-88-3	T	D	28	2	4.10E-04	6.48E-04	1.0E+00	5.3E+02	9.0E+02	nc	6.5E-04	1.2E-06	7.2E-07
AOI 39	VOC	1,1,1-Trichloroethane	71-55-6	T	D	28	3	3.90E-04	6.30E-03	2.0E-01	1.3E+03	3.5E+03	nc	3.2E-02	4.8E-06	1.8E-06
AOI 39	VOC	Trichloroethene	79-01-6	T	C-B2	28	8	5.90E-04	1.20E-02	5.0E-03	2.2E+01	3.1E+01	c	2.4E+00	5.5E-04	3.9E-04
AOI 39	VOC	Vinyl Chloride	75-01-4	T	A	28	8	1.40E-03	3.40E-02	2.0E-03	1.0E+00	3.3E+00	c	1.7E+01	3.4E-02	1.0E-02
AOI 39	VOC	Xylenes (total)	1330-20-7	T	ID	28	2	6.70E-04	8.90E-04	1.0E+01	1.9E+02	2.3E+02	nc	8.9E-05	4.7E-06	3.9E-06
AOI 39	SVOC	Di-n-octylphthalate	117-84-0	T		8	1	2.00E-03	2.00E-03	3.8E-01	4.0E-01	7.0E+03	nc	5.3E-03	5.0E-03	2.9E-07
AOI 39	INORG	Arsenic	7440-38-2	T	A	8	5	2.30E-03	6.90E-03	5.0E-02	4.3E+00			1.4E-01	1.6E-03	
AOI 39	INORG	Barium	7440-39-3	T	D	8	8	1.30E-02	1.10E-01	2.0E+00	1.4E+04			5.5E-02	7.9E-06	
AOI 39	INORG	Cadmium	7440-43-9	T	B1	8	1	1.40E-04	1.40E-04	5.0E-03	1.9E+02			2.8E-02	7.4E-07	
AOI 39	INORG	Chromium (total)	7440-47-3	T		8	1	3.60E-03	3.60E-03	1.0E-01	4.6E+02			3.6E-02	7.8E-06	
AOI 39	INORG	Cobalt	7440-48-4	T	B1	8	2	9.20E-04	1.30E-03	1.0E-01	2.4E+03			1.3E-02	5.4E-07	
AOI 39	INORG	Cyanide (total)	57-12-5	T	D	8	1	3.20E-02	3.20E-02	2.0E-01	5.7E+01			1.6E-01	5.6E-04	
AOI 39	INORG	Manganese	7439-96-5	T	D	8	8	3.00E-02	5.00E-01	2.5E+00	9.1E+03			2.0E-01	5.5E-05	
AOI 39	INORG	Nickel	7440-02-0	T	A	8	4	4.80E-03	1.20E-02	1.0E-01	7.4E+04			1.2E-01	1.6E-07	
AOI 39	INORG	Zinc	7440-66-6	T	D	8	2	6.80E-03	1.10E-02	5.0E+00	1.1E+05			2.2E-03	1.0E-07	
Area 01	VOC	Acetone	67-64-1	T	ID	121	31	9.80E-04	9.45E-02	2.1E+00	3.1E+04	3.6E+05	nc	4.5E-02	3.0E-06	2.6E-07
Area 01	VOC	Benzene	71-43-2	T	A	121	12	2.55E-04	2.10E-03	5.0E-03	1.1E+01	8.1E+00	c	4.2E-01	1.9E-04	2.6E-04
Area 01	VOC	Bromodichloromethane	75-27-4	T	B2	121	2	4.10E-04	4.80E-04	1.0E-01	1.4E+01	8.6E+00	c	4.8E-03	3.4E-05	5.6E-05
Area 01	VOC	Butanone	78-93-3	T	ID	121	28	5.90E-04	2.15E-02	3.8E+01	2.4E+05	4.1E+05	nc	5.7E-04	9.0E-08	5.2E-08
Area 01	VOC	Carbon Disulfide	75-15-0	T		121	9	2.50E-04	7.30E-04	2.3E+00	1.2E+03	8.2E+02	nc	3.2E-04	6.1E-07	8.9E-07
Area 01	VOC	Chloroethane	75-00-3	T		121	32	4.20E-04	1.00E-01	1.7E+00	4.4E+02			5.9E-02	2.3E-04	
Area 01	VOC	Chloroform	67-66-3	T	B2	121	19	3.90E-04	4.70E-02	1.0E-01	1.5E+02	3.3E+00	c	4.7E-01	3.1E-04	1.4E-02
Area 01	VOC	1,2-Dichlorobenzene	95-50-1	T	D	121	1	1.70E-04	1.70E-04	6.0E-01	1.6E+02	9.3E+02	nc	2.8E-04	1.1E-06	1.8E-07
Area 01	VOC	1,1-Dichloroethane	75-34-3	T	C	121	72	3.40E-04	3.10E-01	2.5E+00	2.4E+03	1.1E+03	nc	1.2E-01	1.3E-04	2.8E-04
Area 01	VOC	1,2-Dichloroethane	107-06-2	T	B2	121	9	2.60E-04	1.40E-03	5.0E-03	1.9E+01	7.0E+00	c	2.8E-01	7.4E-05	2.0E-04
Area 01	VOC	1,1-Dichloroethene	75-35-4	T	C	121	18	2.40E-04	7.30E-03	7.0E-03	1.1E+01	2.4E+02	nc	1.0E+00	6.6E-04	3.0E-05
Area 01	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	121	23	2.60E-04	5.00E-03	7.0E-02	2.0E+02	8.9E+01	nc	7.1E-02	2.5E-05	5.6E-05
Area 01	VOC	trans-1,2-Dichloroethene	156-60-5	T		121	1	4.50E-04	4.50E-04	1.0E-01	2.2E+02	1.2E+02	nc	4.5E-03	2.0E-06	3.9E-06
Area 01	VOC	Ethyl Benzene	100-41-4	T	D	121	5	2.30E-04	9.90E-03	7.0E-01	1.7E+02	2.3E+03	nc	1.4E-02	5.8E-05	4.3E-06
Area 01	VOC	2-Hexanone	591-78-6	T		121	2	1.23E-03	3.10E-03	2.9E+00	5.2E+03	1.2E+01	nc	1.1E-03	6.0E-07	2.6E-04

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Area 01	VOC	4-Methyl-2-pentanone	108-10-1	T	ID	121	18	2.90E-04	1.40E-02	5.2E+00	1.3E+04	1.1E+05	nc	2.7E-03	1.1E-06	1.3E-07
Area 01	VOC	Methylcyclohexane	108-87-2	T		121	1	2.30E-03	2.30E-03							
Area 01	VOC	Methylene Chloride	75-09-2	T	B2	121	14	5.60E-04	4.60E-03	5.0E-03	2.2E+02	2.1E+02	c	9.2E-01	2.1E-05	2.2E-05
Area 01	VOC	Tetrachloroethene	127-18-4	T	C-B2	121	3	1.30E-04	5.80E-04	5.0E-03	1.2E+01	1.5E+01	c	1.2E-01	4.8E-05	3.8E-05
Area 01	VOC	Toluene	108-88-3	T	D	121	15	1.90E-04	2.50E-03	1.0E+00	5.3E+02	9.0E+02	nc	2.5E-03	4.7E-06	2.8E-06
Area 01	VOC	1,2,4-Trichlorobenzene	120-82-1	T	D	121	1	4.90E-04	4.90E-04	7.0E-02	1.9E+01	1.3E+03	nc	7.0E-03	2.6E-05	3.8E-07
Area 01	VOC	1,1,1-Trichloroethane	71-55-6	T	D	121	59	2.10E-04	1.40E-01	2.0E-01	1.3E+03	3.5E+03	nc	7.0E-01	1.1E-04	4.0E-05
Area 01	VOC	Trichloroethene	79-01-6	T	C-B2	121	13	2.30E-04	2.10E-02	5.0E-03	2.2E+01	3.1E+01	c	4.2E+00	9.5E-04	6.9E-04
Area 01	VOC	Vinyl Chloride	75-01-4	T	A	121	50	3.80E-04	5.30E-02	2.0E-03	1.0E+00	3.3E+00	c	2.7E+01	5.3E-02	1.6E-02
Area 01	VOC	Xylenes (total)	1330-20-7	T	ID	121	15	4.70E-04	4.80E-03	1.0E+01	1.9E+02	2.3E+02	nc	4.8E-04	2.5E-05	2.1E-05
Area 01	SVOC	Benzo(a)pyrene	50-32-8	T	B2	25	1	1.20E-03	1.20E-03	5.0E-03	2.0E-03	1.2E+02	c	2.4E-01	6.0E-01	9.7E-06
Area 01	SVOC	Benzo(b)fluoranthene	205-99-2	T	B2	25	1	1.00E-03	1.00E-03	2.0E-03	2.0E-03	7.4E+00	c	5.0E-01	5.0E-01	1.4E-04
Area 01	SVOC	Benzo(g,h,i)perylene	191-24-2	T	D	25	1	1.40E-03	1.40E-03	5.0E-03	5.0E-03	3.2E+06	nc	2.8E-01	2.8E-01	4.3E-10
Area 01	SVOC	Benzo(k)fluoranthene	207-08-9	T	B2	25	1	1.10E-03	1.10E-03	5.0E-03	5.0E-03	7.5E+03	c	2.2E-01	2.2E-01	1.5E-07
Area 01	SVOC	Biphenyl	92-52-4	T	D	25	2	6.80E-04	2.70E-03			2.9E+03	nc			9.4E-07
Area 01	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	T	B2	25	3	4.50E-04	4.60E-03	6.0E-03	3.2E-01	2.9E+05	c	7.7E-01	1.4E-02	1.6E-08
Area 01	SVOC	Dibenz(a,h)anthracene	53-70-3	T	B2	25	1	1.70E-03	1.70E-03	2.0E-03	2.0E-03	3.8E+03	c	8.5E-01	8.5E-01	4.5E-07
Area 01	SVOC	2,4-Dimethylphenol	105-67-9	T		25	1	1.60E-03	1.60E-03	1.0E+00	5.2E+02	1.5E+05	nc	1.6E-03	3.1E-06	1.0E-08
Area 01	SVOC	Fluorene	86-73-7	T	D	25	3	1.70E-03	3.10E-03	2.0E+00	2.0E+00	1.1E+04	nc	1.6E-03	1.6E-03	2.7E-07
Area 01	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	B2	25	1	1.60E-03	1.60E-03	2.0E-03	2.0E-03	4.1E+02	c	8.0E-01	8.0E-01	3.9E-06
Area 01	SVOC	2-Methylnaphthalene	91-57-6	T	ID	25	3	6.70E-04	3.10E-03	7.5E-01	2.5E+01			4.1E-03	1.2E-04	
Area 01	SVOC	Methylphenol (total)	1319-77-3	T		25	1	7.50E-03	7.50E-03	1.0E+00	8.1E+02	8.7E+05	nc	7.5E-03	9.3E-06	8.6E-09
Area 01	SVOC	Naphthalene	91-20-3	T	C	25	2	2.10E-03	2.30E-03	1.5E+00	3.1E+01	3.9E+01	nc	1.5E-03	7.4E-05	6.0E-05
Area 01	SVOC	Phenanthrene	85-01-8	T	D	25	6	8.90E-04	3.65E-03	1.5E-01	1.0E+00			2.4E-02	3.7E-03	
Area 01	SVOC	Phenol	108-95-2	T	ID	25	2	3.30E-03	5.80E-02	1.3E+01	2.9E+04			4.5E-03	2.0E-06	
Area 01	INORG	Antimony	7440-36-0	T		38	1	2.20E-04	2.20E-04	6.0E-03	6.8E+01			3.7E-02	3.2E-06	
Area 01	INORG	Arsenic	7440-38-2	T	A	38	13	1.58E-03	6.80E-03	5.0E-02	4.3E+00			1.4E-01	1.6E-03	
Area 01	INORG	Barium	7440-39-3	T	D	38	38	2.25E-02	2.70E-01	2.0E+00	1.4E+04			1.4E-01	1.9E-05	
Area 01	INORG	Cadmium	7440-43-9	T	B1	38	5	8.10E-05	2.80E-04	5.0E-03	1.9E+02			5.6E-02	1.5E-06	
Area 01	INORG	Chromium (total)	7440-47-3	D		4	3	1.92E+02	8.70E+02	1.0E-01	4.6E+02			8.7E+03	1.9E+00	
Area 01	INORG	Chromium (total)	7440-47-3	T		5	2	1.60E-01	2.80E+00	1.0E-01	4.6E+02			2.8E+01	6.1E-03	
Area 01	INORG	Chromium III	16065-83-1	D	D	11	1	3.60E-03	3.60E-03	1.1E+02	2.9E+05			3.3E-05	1.2E-08	
Area 01	INORG	Chromium III	16065-83-1	T	D	147	27	2.00E-04	7.10E+00	1.1E+02	2.9E+05			6.5E-02	2.4E-05	
Area 01	INORG	Chromium VI	18540-29-9	D	A	146	33	1.00E-03	6.33E+02	1.0E-01	4.6E+02			6.3E+03	1.4E+00	
Area 01	INORG	Cobalt	7440-48-4	T	B1	38	18	8.40E-04	4.10E-02	1.0E-01	2.4E+03			4.1E-01	1.7E-05	
Area 01	INORG	Copper	7440-50-8	T	D	38	3	3.50E-03	1.30E-02	4.0E+00	7.4E+03			3.3E-03	1.8E-06	
Area 01	INORG	Cyanide (total)	57-12-5	T	D	36	6	1.80E-03	6.80E-03	2.0E-01	5.7E+01			3.4E-02	1.2E-04	
Area 01	INORG	Lead	7439-92-1	T	B2	41	2	1.50E-02	4.10E-02	4.0E-03				1.0E+01		
Area 01	INORG	Manganese	7439-96-5	T	D	38	38	2.10E-02	1.85E+00	2.5E+00	9.1E+03			7.4E-01	2.0E-04	
Area 01	INORG	Mercury	7439-97-6	T	D	38	3	1.00E-04	1.30E-04	2.0E-03	5.6E-02	9.6E-01	nc	6.5E-02	2.3E-03	1.4E-04
Area 01	INORG	Nickel	7440-02-0	D	A	15	14	2.00E-02	1.13E+02	1.0E-01	7.4E+04			1.1E+03	1.5E-03	
Area 01	INORG	Nickel	7440-02-0	T	A	149	110	3.20E-03	6.48E+02	1.0E-01	7.4E+04			6.5E+03	8.8E-03	
Area 01	INORG	Selenium	7782-49-2	T	D	38	6	1.30E-03	6.00E-03	5.0E-02	9.7E+02			1.2E-01	6.2E-06	
Area 01	INORG	Vanadium	7440-62-2	T		38	5	6.80E-04	6.60E-03	6.2E-02	9.7E+02			1.1E-01	6.8E-06	
Area 01	INORG	Zinc	7440-66-6	T	D	38	9	4.80E-03	1.70E+00	5.0E+00	1.1E+05			3.4E-01	1.5E-05	
Area 02	VOC	Chloroform	67-66-3	T	B2	7	1	4.60E-04	4.60E-04	1.0E-01	1.5E+02	3.3E+00	c	4.6E-03	3.1E-06	1.4E-04

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Area 02	VOC	1,1-Dichloroethane	75-34-3	T	C	7	7	5.50E-04	7.30E-03	2.5E+00	2.4E+03	1.1E+03	nc	2.9E-03	3.0E-06	6.5E-06
Area 02	VOC	1,2-Dichloroethane	107-06-2	T	B2	7	1	3.60E-04	3.60E-04	5.0E-03	1.9E+01	7.0E+00	c	7.2E-02	1.9E-05	5.1E-05
Area 02	VOC	1,1-Dichloroethene	75-35-4	T	C	7	7	9.30E-04	2.60E-03	7.0E-03	1.1E+01	2.4E+02	nc	3.7E-01	2.4E-04	1.1E-05
Area 02	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	7	2	5.00E-04	6.90E-04	7.0E-02	2.0E+02	8.9E+01	nc	9.9E-03	3.5E-06	7.7E-06
Area 02	VOC	Methyl tert-butyl ether	1634-04-4	T		7	3	2.50E-04	6.70E-03	6.9E-01	6.1E+02	1.4E+03	c	9.7E-03	1.1E-05	4.7E-06
Area 02	VOC	1,1,1-Trichloroethane	71-55-6	T	D	7	5	1.20E-02	4.90E-02	2.0E-01	1.3E+03	3.5E+03	nc	2.5E-01	3.8E-05	1.4E-05
Area 02	VOC	Vinyl Chloride	75-01-4	T	A	7	2	4.50E-03	1.50E-02	2.0E-03	1.0E+00	3.3E+00	c	7.5E+00	1.5E-02	4.5E-03
Area 03	VOC	Acetone	67-64-1	T	ID	90	20	1.10E-03	3.30E-02	2.1E+00	3.1E+04	3.6E+05	nc	1.6E-02	1.1E-06	9.1E-08
Area 03	VOC	Benzene	71-43-2	T	A	91	2	4.60E-04	6.60E-04	5.0E-03	1.1E+01	8.1E+00	c	1.3E-01	6.0E-05	8.1E-05
Area 03	VOC	Bromodichloromethane	75-27-4	T	B2	91	1	4.80E-04	4.80E-04	1.0E-01	1.4E+01	8.6E+00	c	4.8E-03	3.4E-05	5.6E-05
Area 03	VOC	2-Butanone	78-93-3	T	ID	91	18	5.90E-04	9.70E-03	3.8E+01	2.4E+05	4.1E+05	nc	2.6E-04	4.0E-08	2.4E-08
Area 03	VOC	Carbon Disulfide	75-15-0	T		91	8	2.50E-04	1.90E-03	2.3E+00	1.2E+03	8.2E+02	nc	8.3E-04	1.6E-06	2.3E-06
Area 03	VOC	Chloroethane	75-00-3	T		91	20	4.20E-04	1.00E-01	1.7E+00	4.4E+02			5.9E-02	2.3E-04	
Area 03	VOC	Chloroform	67-66-3	T	B2	91	15	3.90E-04	3.50E-03	1.0E-01	1.5E+02	3.3E+00	c	3.5E-02	2.3E-05	1.1E-03
Area 03	VOC	Dichlorodifluoromethane	75-71-8	T		91	1	6.40E-04	6.40E-04	4.8E+00	3.0E+02	1.8E+02	nc	1.3E-04	2.1E-06	3.6E-06
Area 03	VOC	1,1-Dichloroethane	75-34-3	T	C	91	61	3.00E-04	3.10E-01	2.5E+00	2.4E+03	1.1E+03	nc	1.2E-01	1.3E-04	2.8E-04
Area 03	VOC	1,2-Dichloroethane	107-06-2	T	B2	91	6	3.60E-04	1.40E-03	5.0E-03	1.9E+01	7.0E+00	c	2.8E-01	7.4E-05	2.0E-04
Area 03	VOC	1,1-Dichloroethene	75-35-4	T	C	91	25	2.40E-04	7.30E-03	7.0E-03	1.1E+01	2.4E+02	nc	1.0E+00	6.6E-04	3.0E-05
Area 03	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	91	30	2.60E-04	6.40E-02	7.0E-02	2.0E+02	8.9E+01	nc	9.1E-01	3.2E-04	7.2E-04
Area 03	VOC	trans-1,2-Dichloroethene	156-60-5	T		91	3	2.10E-03	3.90E-03	1.0E-01	2.2E+02	1.2E+02	nc	3.9E-02	1.8E-05	3.3E-05
Area 03	VOC	Ethyl Benzene	100-41-4	T	D	91	3	1.20E-03	9.90E-03	7.0E-01	2.3E+02	2.3E+03	nc	1.4E-02	5.8E-05	4.3E-06
Area 03	VOC	2-Hexanone	591-78-6	T		91	1	3.10E-03	3.10E-03	2.9E+00	5.2E+03	1.2E+01	nc	1.1E-03	6.0E-07	2.6E-04
Area 03	VOC	Methyl tert-butyl ether	1634-04-4	T		91	3	2.50E-04	6.70E-03	6.9E-01	6.1E+02	1.4E+03	c	9.7E-03	1.1E-05	4.7E-06
Area 03	VOC	4-Methyl-2-pentanone	108-10-1	T	ID	91	10	2.90E-04	1.20E-02	5.2E+00	1.3E+04	1.1E+05	nc	2.3E-03	9.2E-07	1.1E-07
Area 03	VOC	Methylcyclohexane	108-87-2	T		91	1	2.30E-03	2.30E-03							
Area 03	VOC	Methylene Chloride	75-09-2	T	B2	91	8	1.00E-03	4.60E-03	5.0E-03	2.2E+02	2.1E+02	c	9.2E-01	2.1E-05	2.2E-05
Area 03	VOC	Styrene	100-42-5	T		91	1	4.40E-04	4.40E-04	1.0E-01	9.7E+00	3.7E+03	nc	4.4E-03	4.5E-05	1.2E-07
Area 03	VOC	Tetrachloroethene	127-18-4	T	C-B2	91	3	1.30E-04	5.80E-04	5.0E-03	1.2E+01	1.5E+01	c	1.2E-01	4.8E-05	3.8E-05
Area 03	VOC	Toluene	108-88-3	T	D	91	6	4.00E-04	3.20E-03	1.0E+00	5.3E+02	9.0E+02	nc	3.2E-03	6.0E-06	3.5E-06
Area 03	VOC	1,2,4-Trichlorobenzene	120-82-1	T	D	91	1	4.90E-04	4.90E-04	7.0E-02	1.9E+01	1.3E+03	nc	7.0E-03	2.6E-05	3.8E-07
Area 03	VOC	1,1,1-Trichloroethane	71-55-6	T	D	91	42	2.10E-04	1.40E-01	2.0E-01	1.3E+03	3.5E+03	nc	7.0E-01	1.1E-04	4.0E-05
Area 03	VOC	Trichloroethene	79-01-6	T	C-B2	91	8	4.20E-04	2.10E-02	5.0E-03	2.2E+01	3.1E+01	c	4.2E+00	9.5E-04	6.9E-04
Area 03	VOC	Vinyl Chloride	75-01-4	T	A	91	50	3.80E-04	4.00E-01	2.0E-03	1.0E+00	3.3E+00	c	2.0E+02	4.0E-01	1.2E-01
Area 03	VOC	Xylenes (total)	1330-20-7	T	ID	91	9	4.70E-04	6.00E-03	1.0E+01	1.9E+02	2.3E+02	nc	6.0E-04	3.2E-05	2.7E-05
Area 03	SVOC	Benzo(a)pyrene	50-32-8	T	B2	21	1	1.20E-03	1.20E-03	5.0E-03	2.0E-03	1.2E+02	c	2.4E-01	6.0E-01	9.7E-06
Area 03	SVOC	Benzo(b)fluoranthene	205-99-2	T	B2	21	1	1.00E-03	1.00E-03	2.0E-03	2.0E-03	7.4E+00	c	5.0E-01	5.0E-01	1.4E-04
Area 03	SVOC	Benzo(g,h,i)perylene	191-24-2	T	D	21	1	1.40E-03	1.40E-03	5.0E-03	5.0E-03	3.2E+06	nc	2.8E-01	2.8E-01	4.3E-10
Area 03	SVOC	Benzo(k)fluoranthene	207-08-9	T	B2	21	1	1.10E-03	1.10E-03	5.0E-03	5.0E-03	7.5E+03	c	2.2E-01	2.2E-01	1.5E-07
Area 03	SVOC	Carbazole	86-74-8	T	B2	21	1	1.30E-02	1.30E-02	3.5E-01	7.4E+00	1.3E+06	c	3.7E-02	1.8E-03	9.9E-09
Area 03	SVOC	Dibenz(a,h)anthracene	53-70-3	T	B2	21	1	1.70E-03	1.70E-03	2.0E-03	2.0E-03	3.8E+03	c	8.5E-01	8.5E-01	4.5E-07
Area 03	SVOC	2,4-Dimethylphenol	105-67-9	T		21	2	1.60E-03	2.70E-02	1.0E+00	5.2E+02	1.5E+05	nc	2.7E-02	5.2E-05	1.7E-07
Area 03	SVOC	Fluorene	86-73-7	T	D	21	1	2.00E-03	2.00E-03	2.0E+00	2.0E+00	1.1E+04	nc	1.0E-03	1.0E-03	1.8E-07
Area 03	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	T	B2	21	1	1.60E-03	1.60E-03	2.0E-03	2.0E-03	4.1E+02	c	8.0E-01	8.0E-01	3.9E-06
Area 03	SVOC	2-Methylnaphthalene	91-57-6	T	ID	21	1	6.70E-04	6.70E-04	7.5E-01	2.5E+01			8.9E-04	2.7E-05	
Area 03	SVOC	Methylphenol (total)	1319-77-3	T		21	2	7.50E-03	9.00E-02	1.0E+00	8.1E+02	8.7E+05	nc	9.0E-02	1.1E-04	1.0E-07
Area 03	SVOC	Naphthalene	91-20-3	T	C	21	1	1.00E-01	1.00E-01	1.5E+00	3.1E+01	3.9E+01	nc	6.7E-02	3.2E-03	2.6E-03

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Area 03	SVOC	Phenanthrene	85-01-8	T	D	21	2	8.90E-04	1.00E-03	1.5E-01	1.0E+00		6.7E-03	1.0E-03	
Area 03	SVOC	Phenol	108-95-2	T	ID	21	3	3.30E-03	1.10E-01	1.3E+01	2.9E+04		8.5E-03	3.8E-06	
Area 03	INORG	Arsenic	7440-38-2	T	A	23	11	1.58E-03	5.80E-03	5.0E-02	4.3E+00		1.2E-01	1.3E-03	
Area 03	INORG	Barium	7440-39-3	T	D	23	21	2.80E-02	2.70E-01	2.0E+00	1.4E+04		1.4E-01	1.9E-05	
Area 03	INORG	Cadmium	7440-43-9	T	B1	23	4	8.10E-05	2.15E-04	5.0E-03	1.9E+02		4.3E-02	1.1E-06	
Area 03	INORG	Chromium (total)	7440-47-3	T		3	2	1.60E-01	2.80E+00	1.0E-01	4.6E+02		2.8E+01	6.1E-03	
Area 03	INORG	Chromium III	16065-83-1	T	D	67	15	2.50E-04	7.10E+00	1.1E+02	2.9E+05		6.5E-02	2.4E-05	
Area 03	INORG	Chromium VI	18540-29-9	D	A	67	18	1.00E-03	6.54E+01	1.0E-01	4.6E+02		6.5E+02	1.4E-01	
Area 03	INORG	Cobalt	7440-48-4	T	B1	23	9	8.40E-04	4.10E-02	1.0E-01	2.4E+03		4.1E-01	1.7E-05	
Area 03	INORG	Copper	7440-50-8	T	D	23	2	9.80E-03	1.30E-02	4.0E+00	7.4E+03		3.3E-03	1.8E-06	
Area 03	INORG	Cyanide (total)	57-12-5	T	D	23	5	1.80E-03	9.70E-03	2.0E-01	5.7E+01		4.9E-02	1.7E-04	
Area 03	INORG	Manganese	7439-96-5	T	D	23	23	2.10E-02	1.00E+00	2.5E+00	9.1E+03		4.0E-01	1.1E-04	
Area 03	INORG	Mercury	7439-97-6	T	D	23	2	1.00E-04	1.30E-04	2.0E-03	5.6E-02	9.6E-01 nc	6.5E-02	2.3E-03	1.4E-04
Area 03	INORG	Nickel	7440-02-0	D	A	5	5	2.00E-02	2.91E+01	1.0E-01	7.4E+04		2.9E+02	3.9E-04	
Area 03	INORG	Nickel	7440-02-0	T	A	70	57	3.40E-03	5.89E+02	1.0E-01	7.4E+04		5.9E+03	8.0E-03	
Area 03	INORG	Selenium	7782-49-2	T	D	23	7	9.30E-04	6.00E-03	5.0E-02	9.7E+02		1.2E-01	6.2E-06	
Area 03	INORG	Vanadium	7440-62-2	T		23	5	6.80E-04	6.60E-03	6.2E-02	9.7E+02		1.1E-01	6.8E-06	
Area 03	INORG	Zinc	7440-66-6	T	D	23	9	4.80E-03	1.70E+00	5.0E+00	1.1E+05		3.4E-01	1.5E-05	
General	VOC	2-Butanone	78-93-3	T	ID	41	1	1.20E-03	1.20E-03	3.8E+01	2.4E+05	4.1E+05 nc	3.2E-05	5.0E-09	2.9E-09
General	VOC	Carbon Tetrachloride	56-23-5	T	B2	41	2	3.70E-04	1.00E-03	5.0E-03	4.6E+00	2.5E+00 c	2.0E-01	2.2E-04	4.0E-04
General	VOC	Chloroethane	75-00-3	T		41	4	4.20E-04	1.90E-03	1.7E+00	4.4E+02		1.1E-03	4.3E-06	
General	VOC	Chloroform	67-66-3	T	B2	41	9	3.90E-04	9.60E-04	1.0E-01	1.5E+02	3.3E+00 c	9.6E-03	6.4E-06	2.9E-04
General	VOC	Chloromethane	74-87-3	T	D	41	1	5.18E-04	5.18E-04	1.1E+00	4.9E+02	2.0E+02 nc	4.7E-04	1.1E-06	2.5E-06
General	VOC	1,1-Dichloroethane	75-34-3	T	C	41	7	3.00E-04	1.50E-02	2.5E+00	2.4E+03	1.1E+03 nc	6.0E-03	6.3E-06	1.3E-05
General	VOC	1,2-Dichloroethane	107-06-2	T	B2	41	1	2.80E-04	2.80E-04	5.0E-03	1.9E+01	7.0E+00 c	5.6E-02	1.5E-05	4.0E-05
General	VOC	1,1-Dichloroethene	75-35-4	T	C	41	4	5.20E-04	9.30E-03	7.0E-03	1.1E+01	2.4E+02 nc	1.3E+00	8.5E-04	3.8E-05
General	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	41	3	6.40E-04	1.20E-03	7.0E-02	2.0E+02	8.9E+01 nc	1.7E-02	6.0E-06	1.3E-05
General	VOC	Tetrachloroethene	127-18-4	T	C-B2	41	1	4.80E-04	4.80E-04	5.0E-03	1.2E+01	1.5E+01 c	9.6E-02	4.0E-05	3.2E-05
General	VOC	Toluene	108-88-3	T	D	41	5	4.70E-04	7.80E-04	1.0E+00	5.3E+02	9.0E+02 nc	7.8E-04	1.5E-06	8.7E-07
General	VOC	1,1,1-Trichloroethane	71-55-6	T	D	41	13	3.60E-04	8.30E-02	2.0E-01	1.3E+03	3.5E+03 nc	4.2E-01	6.4E-05	2.4E-05
General	VOC	Xylenes (total)	1330-20-7	T	ID	41	3	4.50E-04	9.30E-04	1.0E+01	1.9E+02	2.3E+02 nc	9.3E-05	4.9E-06	4.1E-06
General	SVOC	Phenanthrene	85-01-8	T	D	18	1	8.20E-04	8.20E-04	1.5E-01	1.0E+00		5.5E-03	8.2E-04	
General	INORG	Arsenic	7440-38-2	T	A	18	5	2.20E-03	5.10E-03	5.0E-02	4.3E+00		1.0E-01	1.2E-03	
General	INORG	Barium	7440-39-3	T	D	18	18	1.20E-02	4.10E-01	2.0E+00	1.4E+04		2.1E-01	2.9E-05	
General	INORG	Chromium (total)	7440-47-3	T		16	3	1.80E-03	4.23E-03	1.0E-01	4.6E+02		4.2E-02	9.2E-06	
General	INORG	Cobalt	7440-48-4	T	B1	18	2	6.20E-04	1.10E-03	1.0E-01	2.4E+03		1.1E-02	4.6E-07	
General	INORG	Cyanide (total)	57-12-5	T	D	22	9	1.80E-03	6.50E-03	2.0E-01	5.7E+01		3.3E-02	1.1E-04	
General	INORG	Lead	7439-92-1	T	B2	18	1	1.70E-03	1.70E-03	4.0E-03			4.3E-01		
General	INORG	Manganese	7439-96-5	T	D	18	18	7.90E-03	4.10E-01	2.5E+00	9.1E+03		1.6E-01	4.5E-05	
General	INORG	Mercury	7439-97-6	T	D	18	2	8.90E-05	9.20E-05	2.0E-03	5.6E-02	9.6E-01 nc	4.6E-02	1.6E-03	9.6E-05
General	INORG	Nickel	7440-02-0	T	A	42	15	4.20E-03	9.40E-01	1.0E-01	7.4E+04		9.4E+00	1.3E-05	
General	INORG	Selenium	7782-49-2	T	D	18	6	3.50E-04	2.30E-03	5.0E-02	9.7E+02		4.6E-02	2.4E-06	
General	INORG	Vanadium	7440-62-2	T		18	2	2.30E-03	2.60E-03	6.2E-02	9.7E+02		4.2E-02	2.7E-06	
General	INORG	Zinc	7440-66-6	T	D	18	1	1.36E-02	1.36E-02	5.0E+00	1.1E+05		2.7E-03	1.2E-07	

Table 2.1: On-Site Groundwater Screening Results (for RFI data through Stage VI) GMC - 13000 Eckles Road, Livonia, Michigan															
Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Notes:															
		Only detected constituents are shown.													
		Shaded cells represent ratios greater than 1.													
		The screening criteria for Chromium VI were used as a surrogate for Chromium (total).													
		The concentrations for the Methylphenol (2, 3, & 4) were summed before comparing to the screening criteria for Methylphenols.													
		The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the screening criteria for Xylenes.													
		c - The Screening Criteria is based on cancer risk.													
		nc - The Screening Criteria is based on noncancer effects.													
		Chem Group - Chemical Group.													
		Meas Basis - Measured Basis; T = Total, D = Dissolved.													
		Carc Class - EPA Weight-of-Evidence Cancer Classification.													

**Table 2.2: On-Site Groundwater Concentrations Exceeding Screening Criteria (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan**

Area	Location	Well Zone	Sample Date	Meas Basis	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 19	MW-19-8D	Deep	2/24/2004	T	VOC	Trichloroethene	79-01-6	8.70E-03		5.0E-03	1.7E+00	2.2E+01	4.0E-04	3.1E+01	2.8E-04
AOI 19	MW-19-8D	Deep	11/20/2003	T	VOC	Trichloroethene	79-01-6	2.60E-02		5.0E-03	5.2E+00	2.2E+01	1.2E-03	3.1E+01	8.5E-04
AOI 19	MW-19-8S	Shallow	2/24/2004	T	VOC	cis-1,2-Dichloroethene	156-59-2	1.70E-01		7.0E-02	2.4E+00	2.0E+02	8.5E-04	8.9E+01	1.9E-03
AOI 19	MW-19-8S	Shallow	2/24/2004	T	VOC	Trichloroethene	79-01-6	1.10E+00		5.0E-03	2.2E+02	2.2E+01	5.0E-02	3.1E+01	3.6E-02
AOI 19	MW-19-8S	Shallow	2/24/2004	T	VOC	Vinyl Chloride	75-01-4	2.70E-02	J	2.0E-03	1.4E+01	1.0E+00	2.7E-02	3.3E+00	8.1E-03
AOI 19	MW-19-8S	Shallow	11/20/2003	T	VOC	cis-1,2-Dichloroethene	156-59-2	1.65E-01		7.0E-02	2.4E+00	2.0E+02	8.3E-04	8.9E+01	1.8E-03
AOI 19	MW-19-8S	Shallow	11/20/2003	T	VOC	Trichloroethene	79-01-6	7.95E-01		5.0E-03	1.6E+02	2.2E+01	3.6E-02	3.1E+01	2.6E-02
AOI 19	MW-19-8S	Shallow	11/20/2003	T	VOC	Vinyl Chloride	75-01-4	5.60E-02		2.0E-03	2.8E+01	1.0E+00	5.6E-02	3.3E+00	1.7E-02
AOI 28	MW-006	Shallow	2/19/2004	T	VOC	Methylene Chloride	75-09-2	9.30E-03	J	5.0E-03	1.9E+00	2.2E+02	4.2E-05	2.1E+02	4.5E-05
AOI 28	MW-006	Shallow	2/19/2004	T	VOC	Tetrachloroethene	127-18-4	2.00E-01		5.0E-03	4.0E+01	1.2E+01	1.7E-02	1.5E+01	1.3E-02
AOI 28	MW-006	Shallow	3/4/2003	T	VOC	Tetrachloroethene	127-18-4	5.00E-02		5.0E-03	1.0E+01	1.2E+01	4.2E-03	1.5E+01	3.3E-03
AOI 28	MW-006	Shallow	10/15/2002	T	VOC	Tetrachloroethene	127-18-4	1.70E-01		5.0E-03	3.4E+01	1.2E+01	1.4E-02	1.5E+01	1.1E-02
AOI 28	MW-28-11S	Shallow	2/19/2004	T	VOC	Tetrachloroethene	127-18-4	1.80E-02		5.0E-03	3.6E+00	1.2E+01	1.5E-03	1.5E+01	1.2E-03
AOI 28	MW-28-11S	Shallow	3/5/2003	T	VOC	Tetrachloroethene	127-18-4	2.70E-02		5.0E-03	5.4E+00	1.2E+01	2.3E-03	1.5E+01	1.8E-03
AOI 28	MW-28-4S	Shallow	2/19/2004	T	VOC	1,1-Dichloroethene	75-35-4	5.30E-02		7.0E-03	7.6E+00	1.1E+01	4.8E-03	2.4E+02	2.2E-04
AOI 28	MW-28-4S	Shallow	2/19/2004	T	VOC	Methylene Chloride	75-09-2	1.30E-02	J	5.0E-03	2.6E+00	2.2E+02	5.9E-05	2.1E+02	6.2E-05
AOI 28	MW-28-4S	Shallow	2/19/2004	T	VOC	1,1,1-Trichloroethane	71-55-6	6.40E-01		2.0E-01	3.2E+00	1.3E+03	4.9E-04	3.5E+03	1.8E-04
AOI 28	MW-28-4S	Shallow	2/19/2004	T	VOC	1,1,2-Trichloroethane	79-00-5	1.10E-02	J	5.0E-03	2.2E+00	2.1E+01	5.2E-04	1.3E+01	8.6E-04
AOI 28	MW-28-4S	Shallow	3/4/2003	T	VOC	1,1,1-Trichloroethane	71-55-6	1.20E+00		2.0E-01	6.0E+00	1.3E+03	9.2E-04	3.5E+03	3.4E-04
AOI 28	MW-28-4S	Shallow	3/4/2003	T	VOC	1,1,2-Trichloroethane	79-00-5	1.80E-02	J	5.0E-03	3.6E+00	2.1E+01	8.6E-04	1.3E+01	1.4E-03
AOI 28	MW-28-4S	Shallow	10/11/2002	T	VOC	1,1-Dichloroethene	75-35-4	9.90E-02		7.0E-03	1.4E+01	1.1E+01	9.0E-03	2.4E+02	4.1E-04
AOI 28	MW-28-4S	Shallow	10/11/2002	T	VOC	1,1,1-Trichloroethane	71-55-6	1.50E+00		2.0E-01	7.5E+00	1.3E+03	1.2E-03	3.5E+03	4.3E-04
AOI 28	MW-28-4S	Shallow	10/11/2002	T	VOC	1,1,2-Trichloroethane	79-00-5	1.90E-02	J	5.0E-03	3.8E+00	2.1E+01	9.0E-04	1.3E+01	1.5E-03
AOI 28	MW-28-9S	Shallow	2/19/2004	T	VOC	Tetrachloroethene	127-18-4	5.30E-02		5.0E-03	1.1E+01	1.2E+01	4.4E-03	1.5E+01	3.5E-03
AOI 28	MW-28-9S	Shallow	3/11/2003	T	VOC	Tetrachloroethene	127-18-4	2.20E-02		5.0E-03	4.4E+00	1.2E+01	1.8E-03	1.5E+01	1.5E-03
AOI 28/AOI 37	MW-28-3S	Shallow	2/19/2004	T	VOC	Trichloroethene	79-01-6	8.40E-03		5.0E-03	1.7E+00	2.2E+01	3.8E-04	3.1E+01	2.8E-04
AOI 28/AOI 37	MW-28-3S	Shallow	3/4/2003	T	VOC	Trichloroethene	79-01-6	1.40E-02		5.0E-03	2.8E+00	2.2E+01	6.4E-04	3.1E+01	4.6E-04
AOI 28/AOI 37	MW-28-3S	Shallow	10/14/2002	T	VOC	1,1-Dichloroethene	75-35-4	1.20E-02		7.0E-03	1.7E+00	1.1E+01	1.1E-03	2.4E+02	4.9E-05
AOI 28/AOI 37	MW-28-3S	Shallow	10/14/2002	T	VOC	Trichloroethene	79-01-6	1.00E-02		5.0E-03	2.0E+00	2.2E+01	4.5E-04	3.1E+01	3.3E-04
AOI 31	MW-101	Shallow	6/19/2002	T	VOC	Trichloroethene	79-01-6	3.50E-02		5.0E-03	7.0E+00	2.2E+01	1.6E-03	3.1E+01	1.1E-03
AOI 31	MW-101	Shallow	7/21/2003	T	VOC	Trichloroethene	79-01-6	3.30E-02		5.0E-03	6.6E+00	2.2E+01	1.5E-03	3.1E+01	1.1E-03
AOI 31	MW-101	Shallow	12/4/2002	T	VOC	Trichloroethene	79-01-6	3.80E-02		5.0E-03	7.6E+00	2.2E+01	1.7E-03	3.1E+01	1.2E-03
AOI 31	MW-102	Shallow	6/19/2002	T	VOC	Trichloroethene	79-01-6	6.10E-02		5.0E-03	1.2E+01	2.2E+01	2.8E-03	3.1E+01	2.0E-03
AOI 31	MW-102	Shallow	7/21/2003	T	VOC	Trichloroethene	79-01-6	5.70E-02		5.0E-03	1.1E+01	2.2E+01	2.6E-03	3.1E+01	1.9E-03
AOI 31	MW-102	Shallow	12/4/2002	T	VOC	Trichloroethene	79-01-6	8.00E-02		5.0E-03	1.6E+01	2.2E+01	3.6E-03	3.1E+01	2.6E-03
AOI 31	MW-103S	Shallow	6/18/2002	T	VOC	Trichloroethene	79-01-6	8.50E-02		5.0E-03	1.7E+01	2.2E+01	3.9E-03	3.1E+01	2.8E-03
AOI 31	MW-103S	Shallow	7/21/2003	T	VOC	Trichloroethene	79-01-6	6.00E-02		5.0E-03	1.2E+01	2.2E+01	2.7E-03	3.1E+01	2.0E-03
AOI 31	MW-103S	Shallow	12/3/2002	T	VOC	Trichloroethene	79-01-6	1.00E-01		5.0E-03	2.0E+01	2.2E+01	4.5E-03	3.1E+01	3.3E-03
AOI 31	MW-104S	Shallow	2/24/2004	T	VOC	Trichloroethene	79-01-6	1.10E-02		5.0E-03	2.2E+00	2.2E+01	5.0E-04	3.1E+01	3.6E-04
AOI 31	MW-104S	Shallow	3/3/2003	T	VOC	Trichloroethene	79-01-6	1.10E-02		5.0E-03	2.2E+00	2.2E+01	5.0E-04	3.1E+01	3.6E-04
AOI 31	MW-104S	Shallow	6/14/2002	T	VOC	Trichloroethene	79-01-6	1.20E-02		5.0E-03	2.4E+00	2.2E+01	5.5E-04	3.1E+01	3.9E-04
AOI 31	MW-104S	Shallow	7/21/2003	T	VOC	Trichloroethene	79-01-6	1.10E-02		5.0E-03	2.2E+00	2.2E+01	5.0E-04	3.1E+01	3.6E-04
AOI 31	MW-104S	Shallow	12/6/2002	T	VOC	Trichloroethene	79-01-6	1.30E-02		5.0E-03	2.6E+00	2.2E+01	5.9E-04	3.1E+01	4.3E-04
AOI 31	MW3S-02	Shallow	2/20/2004	T	VOC	Trichloroethene	79-01-6	2.20E-02		5.0E-03	4.4E+00	2.2E+01	1.0E-03	3.1E+01	7.2E-04
AOI 31	MW3S-02	Shallow	6/21/2002	T	VOC	Trichloroethene	79-01-6	7.90E-02		5.0E-03	1.6E+01	2.2E+01	3.6E-03	3.1E+01	2.6E-03
AOI 31	MW3S-02	Shallow	7/21/2003	T	VOC	Trichloroethene	79-01-6	3.30E-02		5.0E-03	6.6E+00	2.2E+01	1.5E-03	3.1E+01	1.1E-03
AOI 31	MW3S-02	Shallow	12/9/2002	T	VOC	Trichloroethene	79-01-6	5.70E-02		5.0E-03	1.1E+01	2.2E+01	2.6E-03	3.1E+01	1.9E-03
AOI 31	MW4S-02	Shallow	2/23/2004	T	VOC	Trichloroethene	79-01-6	6.00E-02		5.0E-03	1.2E+01	2.2E+01	2.7E-03	3.1E+01	2.0E-03
AOI 31	MW4S-02	Shallow	6/21/2002	T	VOC	Trichloroethene	79-01-6	9.90E-02		5.0E-03	2.0E+01	2.2E+01	4.5E-03	3.1E+01	3.2E-03

**Table 2.2: On-Site Groundwater Concentrations Exceeding Screening Criteria (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan**

Area	Location	Well Zone	Sample Date	Meas Basis	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
AOI 31	MW4S-02	Shallow	7/21/2003	T	VOC	Trichloroethene	79-01-6	6.00E-02		5.0E-03	1.2E+01	2.2E+01	2.7E-03	3.1E+01	2.0E-03
AOI 33	GMW-1	Deep	2/25/2004	T	VOC	1,1-Dichloroethene	75-35-4	1.20E-02		7.0E-03	1.7E+00	1.1E+01	1.1E-03	2.4E+02	4.9E-05
AOI 33	GMW-1	Deep	2/25/2004	T	VOC	Tetrachloroethene	127-18-4	2.10E-02		5.0E-03	4.2E+00	1.2E+01	1.8E-03	1.5E+01	1.4E-03
AOI 33	GMW-1	Deep	2/25/2004	T	VOC	1,1,1-Trichloroethane	71-55-6	3.30E-01		2.0E-01	1.7E+00	1.3E+03	2.5E-04	3.5E+03	9.4E-05
AOI 33	GMW-1	Deep	3/4/2003	T	VOC	1,1-Dichloroethene	75-35-4	1.20E-02		7.0E-03	1.7E+00	1.1E+01	1.1E-03	2.4E+02	4.9E-05
AOI 33	GMW-1	Deep	3/4/2003	T	VOC	Tetrachloroethene	127-18-4	2.70E-02		5.0E-03	5.4E+00	1.2E+01	2.3E-03	1.5E+01	1.8E-03
AOI 33	GMW-1	Deep	3/4/2003	T	VOC	1,1,1-Trichloroethane	71-55-6	3.40E-01		2.0E-01	1.7E+00	1.3E+03	2.6E-04	3.5E+03	9.7E-05
AOI 33	GMW-1	Deep	10/23/2002	T	VOC	1,1-Dichloroethene	75-35-4	5.40E-02		7.0E-03	7.7E+00	1.1E+01	4.9E-03	2.4E+02	2.2E-04
AOI 33	GMW-1	Deep	10/23/2002	T	VOC	Tetrachloroethene	127-18-4	3.10E-02		5.0E-03	6.2E+00	1.2E+01	2.6E-03	1.5E+01	2.0E-03
AOI 33	GMW-1	Deep	10/23/2002	T	VOC	1,1,1-Trichloroethane	71-55-6	4.90E-01		2.0E-01	2.5E+00	1.3E+03	3.8E-04	3.5E+03	1.4E-04
AOI 33	GMW-3	Deep	2/25/2004	T	VOC	Trichloroethene	79-01-6	2.80E-02		5.0E-03	5.6E+00	2.2E+01	1.3E-03	3.1E+01	9.2E-04
AOI 33	GMW-3	Deep	3/4/2003	T	VOC	Trichloroethene	79-01-6	2.60E-02		5.0E-03	5.2E+00	2.2E+01	1.2E-03	3.1E+01	8.5E-04
AOI 33	MPI-8	Deep	3/14/2003	T	VOC	1,1-Dichloroethene	75-35-4	2.80E-02		7.0E-03	4.0E+00	1.1E+01	2.5E-03	2.4E+02	1.1E-04
AOI 33	MPI-8	Deep	3/14/2003	T	VOC	cis-1,2-Dichloroethene	156-59-2	8.20E-02		7.0E-02	1.2E+00	2.0E+02	4.1E-04	8.9E+01	9.2E-04
AOI 33	MPI-8	Deep	3/14/2003	T	VOC	Vinyl Chloride	75-01-4	2.40E-02		2.0E-03	1.2E+01	1.0E+00	2.4E-02	3.3E+00	7.2E-03
AOI 33	MPI-8	Deep	10/22/2002	T	VOC	1,1-Dichloroethene	75-35-4	4.70E-02		7.0E-03	6.7E+00	1.1E+01	4.3E-03	2.4E+02	1.9E-04
AOI 33	MPI-8	Deep	10/22/2002	T	VOC	Vinyl Chloride	75-01-4	2.30E-02		2.0E-03	1.2E+01	1.0E+00	2.3E-02	3.3E+00	6.9E-03
AOI 33	MW-33-6S	Shallow	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	2.60E-03		2.0E-03	1.3E+00	1.0E+00	2.6E-03	3.3E+00	7.8E-04
AOI 33	MW-33-8D	Deep	2/25/2004	T	VOC	1,1-Dichloroethene	75-35-4	1.30E-02		7.0E-03	1.9E+00	1.1E+01	1.2E-03	2.4E+02	5.3E-05
AOI 33	MW-33-8D	Deep	2/25/2004	T	VOC	cis-1,2-Dichloroethene	156-59-2	1.40E-01		7.0E-02	2.0E+00	2.0E+02	7.0E-04	8.9E+01	1.6E-03
AOI 33	MW-33-8D	Deep	2/25/2004	T	VOC	Trichloroethene	79-01-6	1.80E-02		5.0E-03	3.6E+00	2.2E+01	8.2E-04	3.1E+01	5.9E-04
AOI 33	MW-33-8D	Deep	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	2.70E-01		2.0E-03	1.4E+02	1.0E+00	2.7E-01	3.3E+00	8.1E-02
AOI 33	MW-33-8D	Deep	3/11/2003	T	VOC	1,1-Dichloroethene	75-35-4	2.60E-02		7.0E-03	3.7E+00	1.1E+01	2.4E-03	2.4E+02	1.1E-04
AOI 33	MW-33-8D	Deep	3/11/2003	T	VOC	cis-1,2-Dichloroethene	156-59-2	2.00E-01		7.0E-02	2.9E+00	2.0E+02	1.0E-03	8.9E+01	2.2E-03
AOI 33	MW-33-8D	Deep	3/11/2003	T	VOC	Trichloroethene	79-01-6	3.80E-02		5.0E-03	7.6E+00	2.2E+01	1.7E-03	3.1E+01	1.2E-03
AOI 33	MW-33-8D	Deep	3/11/2003	T	VOC	Vinyl Chloride	75-01-4	1.50E-01		2.0E-03	7.5E+01	1.0E+00	1.5E-01	3.3E+00	4.5E-02
AOI 33	MW-33-8S	Shallow	2/25/2004	T	VOC	Trichloroethene	79-01-6	1.80E-01		5.0E-03	3.6E+01	2.2E+01	8.2E-03	3.1E+01	5.9E-03
AOI 33	MW-33-8S	Shallow	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	1.30E-02		2.0E-03	6.5E+00	1.0E+00	1.3E-02	3.3E+00	3.9E-03
AOI 33	MW-33-8S	Shallow	3/11/2003	T	VOC	Trichloroethene	79-01-6	1.40E-01		5.0E-03	2.8E+01	2.2E+01	6.4E-03	3.1E+01	4.6E-03
AOI 33	MW-33-8S	Shallow	3/11/2003	T	VOC	Vinyl Chloride	75-01-4	5.90E-03		2.0E-03	3.0E+00	1.0E+00	5.9E-03	3.3E+00	1.8E-03
AOI 33	MW-33-9S	Shallow	2/25/2004	T	VOC	Trichloroethene	79-01-6	4.70E-02		5.0E-03	9.4E+00	2.2E+01	2.1E-03	3.1E+01	1.5E-03
AOI 33	MW-33-9S	Shallow	11/21/2003	T	VOC	Trichloroethene	79-01-6	4.90E-02		5.0E-03	9.8E+00	2.2E+01	2.2E-03	3.1E+01	1.6E-03
AOI 39	MW-BG-4S	Shallow	2/20/2004	T	VOC	Trichloroethene	79-01-6	7.40E-03		5.0E-03	1.5E+00	2.2E+01	3.4E-04	3.1E+01	2.4E-04
AOI 39	MW-BG-4S	Shallow	2/20/2004	T	VOC	Vinyl Chloride	75-01-4	4.20E-03		2.0E-03	2.1E+00	1.0E+00	4.2E-03	3.3E+00	1.3E-03
AOI 39	MW-BG-4S	Shallow	3/3/2003	T	VOC	Trichloroethene	79-01-6	1.10E-02		5.0E-03	2.2E+00	2.2E+01	5.0E-04	3.1E+01	3.6E-04
AOI 39	MW-BG-4S	Shallow	3/3/2003	T	VOC	Vinyl Chloride	75-01-4	3.70E-03		2.0E-03	1.9E+00	1.0E+00	3.7E-03	3.3E+00	1.1E-03
AOI 39	MW-BG-4S	Shallow	10/23/2002	T	VOC	Trichloroethene	79-01-6	1.20E-02		5.0E-03	2.4E+00	2.2E+01	5.5E-04	3.1E+01	3.9E-04
AOI 39	MW-BG-5S	Shallow	2/20/2004	T	VOC	Vinyl Chloride	75-01-4	8.60E-03		2.0E-03	4.3E+00	1.0E+00	8.6E-03	3.3E+00	2.6E-03
AOI 39	MW-BG-5S	Shallow	3/6/2003	T	VOC	Vinyl Chloride	75-01-4	4.70E-03		2.0E-03	2.4E+00	1.0E+00	4.7E-03	3.3E+00	1.4E-03
AOI 39	MW-BG-6S	Shallow	2/20/2004	T	VOC	Vinyl Chloride	75-01-4	3.20E-02		2.0E-03	1.6E+01	1.0E+00	3.2E-02	3.3E+00	9.6E-03
AOI 39	MW-BG-6S	Shallow	3/6/2003	T	VOC	Vinyl Chloride	75-01-4	3.40E-02		2.0E-03	1.7E+01	1.0E+00	3.4E-02	3.3E+00	1.0E-02
AOI 39	MW-BG-8S	Shallow	2/20/2004	T	VOC	cis-1,2-Dichloroethene	156-59-2	1.50E-01		7.0E-02	2.1E+00	2.0E+02	7.5E-04	8.9E+01	1.7E-03
AOI 39	MW-BG-8S	Shallow	2/20/2004	T	VOC	Vinyl Chloride	75-01-4	2.10E-03	J	2.0E-03	1.1E+00	1.0E+00	2.1E-03	3.3E+00	6.3E-04
AOI 39	MW-BG-8S	Shallow	3/11/2003	T	VOC	cis-1,2-Dichloroethene	156-59-2	1.65E-01		7.0E-02	2.4E+00	2.0E+02	8.3E-04	8.9E+01	1.8E-03
Area 01	HA-14AOI18	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	5.91E+01		1.0E-01	5.9E+02	7.4E+04	8.0E-04		
Area 01	HA-14AOI18	Deep	2/26/2003	T	INORG	Nickel	7440-02-0	1.16E+02		1.0E-01	1.2E+03	7.4E+04	1.6E-03		
Area 01	HA-14AOI18	Deep	10/7/2002	T	INORG	Nickel	7440-02-0	7.53E+01		1.0E-01	7.5E+02	7.4E+04	1.0E-03		
Area 01	HA-15AOI18	Deep	2/25/2004	T	INORG	Lead	7439-92-1	1.50E-02		4.0E-03	3.8E+00				
Area 01	HA-15AOI18	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	2.45E+02		1.0E-01	2.5E+03	7.4E+04	3.3E-03		

**Table 2.2: On-Site Groundwater Concentrations Exceeding Screening Criteria (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan**

Area	Location	Well Zone	Sample Date	Meas Basis	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Area 01	HA-15AOI18	Deep	2/26/2003	T	INORG	Nickel	7440-02-0	4.36E+02		1.0E-01	4.4E+03	7.4E+04	5.9E-03		
Area 01	HA-15AOI18	Deep	10/8/2002	T	INORG	Lead	7439-92-1	4.10E-02	J	4.0E-03	1.0E+01				
Area 01	HA-15AOI18	Deep	10/8/2002	T	INORG	Nickel	7440-02-0	4.85E+02		1.0E-01	4.8E+03	7.4E+04	6.5E-03		
Area 01	MW-16D	Deep	2/27/2004	T	INORG	Nickel	7440-02-0	2.47E+01		1.0E-01	2.5E+02	7.4E+04	3.3E-04		
Area 01	MW-16D	Deep	3/11/2003	D	INORG	Nickel	7440-02-0	1.36E+01		1.0E-01	1.4E+02	7.4E+04	1.8E-04		
Area 01	MW-16D	Deep	3/11/2003	T	INORG	Nickel	7440-02-0	1.38E+01		1.0E-01	1.4E+02	7.4E+04	1.9E-04		
Area 01	MW-16D	Deep	3/11/2003	T	VOC	Vinyl Chloride	75-01-4	4.80E-03		2.0E-03	2.4E+00	1.0E+00	4.8E-03	3.3E+00	1.4E-03
Area 01	MW-23D	Deep	3/13/2003	D	INORG	Chromium VI	18540-29-9	1.91E+02		1.0E-01	1.9E+03	4.6E+02	4.2E-01		
Area 01	MW-23D	Deep	3/13/2003	D	INORG	Nickel	7440-02-0	1.13E+02		1.0E-01	1.1E+03	7.4E+04	1.5E-03		
Area 01	MW-23D	Deep	3/13/2003	T	INORG	Nickel	7440-02-0	1.26E+02		1.0E-01	1.3E+03	7.4E+04	1.7E-03		
Area 01	MW-23S	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	3.30E-01		1.0E-01	3.3E+00	7.4E+04	4.5E-06		
Area 01	MW-23S	Shallow	3/13/2003	T	INORG	Nickel	7440-02-0	3.40E-01		1.0E-01	3.4E+00	7.4E+04	4.6E-06		
Area 01	MW-23S	Shallow	10/10/2002	T	INORG	Nickel	7440-02-0	1.20E-01		1.0E-01	1.2E+00	7.4E+04	1.6E-06		
Area 01	MW-24D	Deep	2/26/2004	D	INORG	Chromium VI	18540-29-9	1.14E+02		1.0E-01	1.1E+03	4.6E+02	2.5E-01		
Area 01	MW-24D	Deep	2/26/2004	T	INORG	Nickel	7440-02-0	6.48E+02		1.0E-01	6.5E+03	7.4E+04	8.8E-03		
Area 01	MW-24D	Deep	3/7/2003	D	INORG	Chromium VI	18540-29-9	1.87E+02		1.0E-01	1.9E+03	4.6E+02	4.1E-01		
Area 01	MW-24D	Deep	3/7/2003	T	INORG	Nickel	7440-02-0	6.03E+02		1.0E-01	6.0E+03	7.4E+04	8.1E-03		
Area 01	MW-27	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	2.23E+02		1.0E-01	2.2E+03	7.4E+04	3.0E-03		
Area 01	MW-27	Deep	3/4/2003	T	INORG	Nickel	7440-02-0	9.97E+01		1.0E-01	1.0E+03	7.4E+04	1.3E-03		
Area 01	MW-4D	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	2.55E+00		1.0E-01	2.6E+01	7.4E+04	3.4E-05		
Area 01	MW-A1-13S	Shallow	2/26/2004	T	INORG	Nickel	7440-02-0	4.44E+01		1.0E-01	4.4E+02	7.4E+04	6.0E-04		
Area 01	MW-A1-13S	Shallow	2/26/2004	D	INORG	Chromium VI	18540-29-9	8.89E+01		1.0E-01	8.9E+02	4.6E+02	1.9E-01		
Area 01	MW-A1-13S	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	3.96E+01		1.0E-01	4.0E+02	7.4E+04	5.4E-04		
Area 01	MW-A1-13S	Shallow	3/13/2003	T	INORG	Nickel	7440-02-0	3.83E+01		1.0E-01	3.8E+02	7.4E+04	5.2E-04		
Area 01	MW-A1-13S	Shallow	3/13/2003	D	INORG	Chromium VI	18540-29-9	4.69E+01		1.0E-01	4.7E+02	4.6E+02	1.0E-01		
Area 01	MW-A1-14D	Deep	2/27/2004	T	VOC	Vinyl Chloride	75-01-4	2.70E-03		2.0E-03	1.4E+00	1.0E+00	2.7E-03	3.3E+00	8.1E-04
Area 01	MW-A1-15D	Deep	2/27/2004	T	VOC	Vinyl Chloride	75-01-4	3.70E-03		2.0E-03	1.9E+00	1.0E+00	3.7E-03	3.3E+00	1.1E-03
Area 01	MW-A1-15D	Deep	7/29/2003	T	VOC	Vinyl Chloride	75-01-4	2.50E-02		2.0E-03	1.3E+01	1.0E+00	2.5E-02	3.3E+00	7.5E-03
Area 01	MW-S-3S	Shallow	2/25/2004	T	INORG	Nickel	7440-02-0	7.30E+00		1.0E-01	7.3E+01	7.4E+04	9.9E-05		
Area 01	MW-S-3S	Shallow	2/26/2003	T	INORG	Nickel	7440-02-0	2.39E+01		1.0E-01	2.4E+02	7.4E+04	3.2E-04		
Area 01	MW-S-3S	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	1.64E+01		1.0E-01	1.6E+02	7.4E+04	2.2E-04		
Area 01	MW-S-3S	Shallow	10/8/2002	T	INORG	Nickel	7440-02-0	3.98E+01		1.0E-01	4.0E+02	7.4E+04	5.4E-04		
Area 01	MW-S-7S	Shallow	2/25/2004	T	INORG	Nickel	7440-02-0	1.89E+01		1.0E-01	1.9E+02	7.4E+04	2.6E-04		
Area 01	MW-S-7S	Shallow	3/6/2003	T	INORG	Nickel	7440-02-0	1.75E+01		1.0E-01	1.8E+02	7.4E+04	2.4E-04		
Area 01	MW-S-8D	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	3.86E+01		1.0E-01	3.9E+02	7.4E+04	5.2E-04		
Area 01	MW-S-8D	Deep	3/5/2003	T	INORG	Nickel	7440-02-0	1.71E+01		1.0E-01	1.7E+02	7.4E+04	2.3E-04		
Area 01	MW-S-9S	Shallow	2/25/2004	T	INORG	Nickel	7440-02-0	1.60E-01		1.0E-01	1.6E+00	7.4E+04	2.2E-06		
Area 01	MW-S-9S	Shallow	3/6/2003	T	INORG	Nickel	7440-02-0	5.10E-01		1.0E-01	5.1E+00	7.4E+04	6.9E-06		
Area 01	OW-22	Shallow	2/26/2004	T	INORG	Nickel	7440-02-0	2.50E-01		1.0E-01	2.5E+00	7.4E+04	3.4E-06		
Area 01	OW-22	Shallow	2/26/2004	D	INORG	Chromium VI	18540-29-9	1.69E+02		1.0E-01	1.7E+03	4.6E+02	3.7E-01		
Area 01	OW-22	Shallow	3/5/2003	D	INORG	Chromium VI	18540-29-9	2.03E+02		1.0E-01	2.0E+03	4.6E+02	4.4E-01		
Area 01	OW-22	Shallow	3/5/2003	T	INORG	Nickel	7440-02-0	1.70E-01		1.0E-01	1.7E+00	7.4E+04	2.3E-06		
Area 01	OW-22	Shallow	3/13/2003	D	INORG	Chromium (total)	7440-47-3	1.92E+02		1.0E-01	1.9E+03	4.6E+02	4.2E-01		
Area 01	OW-22	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	3.60E-01		1.0E-01	3.6E+00	7.4E+04	4.9E-06		
Area 01	OW-23	Shallow	2/26/2004	T	VOC	Vinyl Chloride	75-01-4	3.30E-03	J	2.0E-03	1.7E+00	1.0E+00	3.3E-03	3.3E+00	9.9E-04
Area 01	OW-23	Shallow	3/5/2003	T	VOC	Vinyl Chloride	75-01-4	2.80E-03		2.0E-03	1.4E+00	1.0E+00	2.8E-03	3.3E+00	8.4E-04
Area 01	OW-23	Shallow	3/5/2003	D	INORG	Chromium VI	18540-29-9	3.46E+02		1.0E-01	3.5E+03	4.6E+02	7.5E-01		
Area 01	OW-23	Shallow	3/5/2003	T	INORG	Nickel	7440-02-0	4.30E+00		1.0E-01	4.3E+01	7.4E+04	5.8E-05		
Area 01	OW-23	Shallow	3/13/2003	D	INORG	Chromium (total)	7440-47-3	3.00E+02		1.0E-01	3.0E+03	4.6E+02	6.5E-01		

**Table 2.2: On-Site Groundwater Concentrations Exceeding Screening Criteria (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan**

Area	Location	Well Zone	Sample Date	Meas Basis	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Area 01	OW-23	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	4.80E+00		1.0E-01	4.8E+01	7.4E+04	6.5E-05		
Area 01	OW-24	Shallow	2/26/2004	D	INORG	Chromium VI	18540-29-9	6.33E+02		1.0E-01	6.3E+03	4.6E+02	1.4E+00		
Area 01	OW-24	Shallow	2/26/2004	T	INORG	Nickel	7440-02-0	5.20E+01		1.0E-01	5.2E+02	7.4E+04	7.0E-04		
Area 01	OW-24	Shallow	3/5/2003	D	INORG	Chromium VI	18540-29-9	3.64E+02		1.0E-01	3.6E+03	4.6E+02	7.9E-01		
Area 01	OW-24	Shallow	3/5/2003	T	INORG	Nickel	7440-02-0	5.67E+01		1.0E-01	5.7E+02	7.4E+04	7.7E-04		
Area 01	OW-24	Shallow	3/13/2003	D	INORG	Chromium (total)	7440-47-3	8.70E+02		1.0E-01	8.7E+03	4.6E+02	1.9E+00		
Area 01	OW-24	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	6.37E+01		1.0E-01	6.4E+02	7.4E+04	8.6E-04		
Area 01	OW-30	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	8.31E+01		1.0E-01	8.3E+02	7.4E+04	1.1E-03		
Area 01	OW-30	Deep	3/4/2003	T	INORG	Nickel	7440-02-0	4.36E+02		1.0E-01	4.4E+03	7.4E+04	5.9E-03		
Area 01/Area 03	MW-15D	Deep	3/12/2003	T	VOC	Vinyl Chloride	75-01-4	1.70E-02		2.0E-03	8.5E+00	1.0E+00	1.7E-02	3.3E+00	5.1E-03
Area 01/Area 03	MW-16S	Shallow	2/27/2004	T	INORG	Nickel	7440-02-0	2.78E+01		1.0E-01	2.8E+02	7.4E+04	3.8E-04		
Area 01/Area 03	MW-16S	Shallow	3/11/2003	D	INORG	Nickel	7440-02-0	1.86E+01		1.0E-01	1.9E+02	7.4E+04	2.5E-04		
Area 01/Area 03	MW-16S	Shallow	3/11/2003	T	INORG	Nickel	7440-02-0	2.07E+01		1.0E-01	2.1E+02	7.4E+04	2.8E-04		
Area 01/Area 03	MW-16S	Shallow	10/22/2002	T	INORG	Nickel	7440-02-0	1.24E+01		1.0E-01	1.2E+02	7.4E+04	1.7E-04		
Area 01/Area 03	MW-17D	Deep	3/13/2003	T	INORG	Nickel	7440-02-0	1.30E+00		1.0E-01	1.3E+01	7.4E+04	1.8E-05		
Area 01/Area 03	MW-17D	Deep	3/13/2003	D	INORG	Chromium VI	18540-29-9	4.88E+01		1.0E-01	4.9E+02	4.6E+02	1.1E-01		
Area 01/Area 03	MW-17S	Shallow	3/13/2003	D	INORG	Chromium VI	18540-29-9	5.90E+00		1.0E-01	5.9E+01	4.6E+02	1.3E-02		
Area 01/Area 03	MW-17S	Shallow	3/13/2003	T	INORG	Nickel	7440-02-0	9.83E+01		1.0E-01	9.8E+02	7.4E+04	1.3E-03		
Area 01/Area 03	MW-21D	Deep	2/27/2004	T	VOC	Vinyl Chloride	75-01-4	1.10E-02		2.0E-03	5.5E+00	1.0E+00	1.1E-02	3.3E+00	3.3E-03
Area 01/Area 03	MW-21D	Deep	2/27/2004	T	INORG	Nickel	7440-02-0	3.90E-01		1.0E-01	3.9E+00	7.4E+04	5.3E-06		
Area 01/Area 03	MW-21D	Deep	2/27/2004	D	INORG	Chromium VI	18540-29-9	3.38E+01		1.0E-01	3.4E+02	4.6E+02	7.3E-02		
Area 01/Area 03	MW-21D	Deep	3/11/2003	T	VOC	Vinyl Chloride	75-01-4	7.50E-03		2.0E-03	3.8E+00	1.0E+00	7.5E-03	3.3E+00	2.3E-03
Area 01/Area 03	MW-21D	Deep	3/11/2003	T	INORG	Nickel	7440-02-0	5.10E-01		1.0E-01	5.1E+00	7.4E+04	6.9E-06		
Area 01/Area 03	MW-21D	Deep	3/11/2003	D	INORG	Chromium VI	18540-29-9	6.54E+01		1.0E-01	6.5E+02	4.6E+02	1.4E-01		
Area 01/Area 03	MW-21S	Shallow	2/27/2004	T	INORG	Nickel	7440-02-0	7.40E-01		1.0E-01	7.4E+00	7.4E+04	1.0E-05		
Area 01/Area 03	MW-21S	Shallow	3/13/2003	D	INORG	Chromium VI	18540-29-9	2.70E-01		1.0E-01	2.7E+00	4.6E+02	5.9E-04		
Area 01/Area 03	MW-21S	Shallow	3/13/2003	D	INORG	Nickel	7440-02-0	5.70E-01		1.0E-01	5.7E+00	7.4E+04	7.7E-06		
Area 01/Area 03	MW-21S	Shallow	3/13/2003	T	INORG	Nickel	7440-02-0	6.00E-01		1.0E-01	6.0E+00	7.4E+04	8.1E-06		
Area 01/Area 03	MW-A1-11D	Deep	2/26/2004	T	VOC	Trichloroethene	79-01-6	7.20E-03		5.0E-03	1.4E+00	2.2E+01	3.3E-04	3.1E+01	2.4E-04
Area 01/Area 03	MW-A1-11D	Deep	2/26/2004	T	VOC	Vinyl Chloride	75-01-4	2.30E-03		2.0E-03	1.2E+00	1.0E+00	2.3E-03	3.3E+00	6.9E-04
Area 01/Area 03	MW-A1-11D	Deep	2/26/2004	T	INORG	Nickel	7440-02-0	7.18E+01		1.0E-01	7.2E+02	7.4E+04	9.7E-04		
Area 01/Area 03	MW-A1-11D	Deep	3/11/2003	T	INORG	Nickel	7440-02-0	5.89E+02		1.0E-01	5.9E+03	7.4E+04	8.0E-03		
Area 01/Area 03	MW-A1-11S	Shallow	3/11/2003	T	INORG	Nickel	7440-02-0	2.70E-01		1.0E-01	2.7E+00	7.4E+04	3.6E-06		
Area 01/Area 03	MW-A1-12D	Deep	3/13/2003	D	INORG	Nickel	7440-02-0	2.91E+01		1.0E-01	2.9E+02	7.4E+04	3.9E-04		
Area 01/Area 03	MW-A1-12D	Deep	3/13/2003	T	INORG	Nickel	7440-02-0	2.88E+01		1.0E-01	2.9E+02	7.4E+04	3.9E-04		
Area 01/Area 03	MW-A1-12D	Deep	3/13/2003	D	INORG	Chromium VI	18540-29-9	1.50E+00		1.0E-01	1.5E+01	4.6E+02	3.3E-03		
Area 01/Area 03	MW-A1-3S	Shallow	3/13/2003	T	INORG	Nickel	7440-02-0	1.30E+00		1.0E-01	1.3E+01	7.4E+04	1.8E-05		
Area 01/Area 03	MW-A1-3S	Shallow	3/13/2003	T	VOC	Trichloroethene	79-01-6	2.10E-02		5.0E-03	4.2E+00	2.2E+01	9.5E-04	3.1E+01	6.9E-04
Area 01/Area 03	MW-A1-3S	Shallow	10/22/2002	T	INORG	Nickel	7440-02-0	3.60E+00		1.0E-01	3.6E+01	7.4E+04	4.9E-05		
Area 01/Area 03	MW-A1-3S	Shallow	10/22/2002	T	VOC	Trichloroethene	79-01-6	5.80E-03		5.0E-03	1.2E+00	2.2E+01	2.6E-04	3.1E+01	1.9E-04
Area 01/Area 03	MW-A1-3S	Shallow	10/22/2002	T	VOC	Vinyl Chloride	75-01-4	1.00E-02		2.0E-03	5.0E+00	1.0E+00	1.0E-02	3.3E+00	3.0E-03
Area 01/Area 03	MW-A1-4D	Deep	1/10/2003	T	VOC	Vinyl Chloride	75-01-4	7.20E-03		2.0E-03	3.6E+00	1.0E+00	7.2E-03	3.3E+00	2.2E-03
Area 01/Area 03	MW-A1-4D	Deep	1/10/2003	T	INORG	Chromium (total)	7440-47-3	1.60E-01		1.0E-01	1.6E+00	4.6E+02	3.5E-04		
Area 01/Area 03	MW-A1-4D	Deep	3/3/2003	D	INORG	Chromium VI	18540-29-9	2.90E-01		1.0E-01	2.9E+00	4.6E+02	6.3E-04		
Area 01/Area 03	MW-A1-4D	Deep	3/3/2003	T	VOC	Vinyl Chloride	75-01-4	9.40E-03		2.0E-03	4.7E+00	1.0E+00	9.4E-03	3.3E+00	2.8E-03
Area 01/Area 03	MW-A1-4S	Shallow	1/10/2003	T	INORG	Chromium (total)	7440-47-3	2.80E+00		1.0E-01	2.8E+01	4.6E+02	6.1E-03		
Area 01/Area 03	MW-A1-4S	Shallow	3/3/2003	D	INORG	Chromium VI	18540-29-9	1.00E+00		1.0E-01	1.0E+01	4.6E+02	2.2E-03		
Area 01/Area 03	MW-A1-5D	Deep	2/27/2004	D	INORG	Chromium VI	18540-29-9	9.70E-01		1.0E-01	9.7E+00	4.6E+02	2.1E-03		
Area 01/Area 03	MW-A1-5D	Deep	3/12/2003	D	INORG	Chromium VI	18540-29-9	2.00E+00		1.0E-01	2.0E+01	4.6E+02	4.3E-03		

Table 2.2: On-Site Groundwater Concentrations Exceeding Screening Criteria (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Location	Well Zone	Sample Date	Meas Basis	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Area 01/Area 03	MW-A1-5S	Shallow	2/27/2004	D	INORG	Chromium VI	18540-29-9	6.80E-01		1.0E-01	6.8E+00	4.6E+02	1.5E-03		
Area 01/Area 03	MW-A1-5S	Shallow	3/12/2003	D	INORG	Chromium VI	18540-29-9	2.30E+00		1.0E-01	2.3E+01	4.6E+02	5.0E-03		
Area 01/Area 03	MW-A1-6S	Shallow	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	2.00E-02		2.0E-03	1.0E+01	1.0E+00	2.0E-02	3.3E+00	6.0E-03
Area 01/Area 03	MW-A1-6S	Shallow	3/13/2003	T	VOC	Vinyl Chloride	75-01-4	6.90E-03		2.0E-03	3.5E+00	1.0E+00	6.9E-03	3.3E+00	2.1E-03
Area 01/Area 03/AOI 21	MW-A1-9D	Deep	2/26/2004	T	VOC	Vinyl Chloride	75-01-4	1.80E-02		2.0E-03	9.0E+00	1.0E+00	1.8E-02	3.3E+00	5.4E-03
Area 01/Area 03/AOI 21	MW-A1-9S	Shallow	2/26/2004	T	VOC	Vinyl Chloride	75-01-4	3.90E-02		2.0E-03	2.0E+01	1.0E+00	3.9E-02	3.3E+00	1.2E-02
Area 01/Area 03/AOI 21	MW-A1-9S	Shallow	3/10/2003	T	VOC	Vinyl Chloride	75-01-4	3.50E-03		2.0E-03	1.8E+00	1.0E+00	3.5E-03	3.3E+00	1.1E-03
Area 01/Area 03/AOI 21	MW-A1-9S	Shallow	7/25/2003	T	VOC	Vinyl Chloride	75-01-4	6.40E-03		2.0E-03	3.2E+00	1.0E+00	6.4E-03	3.3E+00	1.9E-03
Area 01/Area 03/AOI 22	MW-22-2D	Deep	2/27/2004	T	INORG	Nickel	7440-02-0	3.17E+02		1.0E-01	3.2E+03	7.4E+04	4.3E-03		
Area 01/Area 03/AOI 22	MW-22-2D	Deep	3/4/2003	T	INORG	Nickel	7440-02-0	3.09E+02		1.0E-01	3.1E+03	7.4E+04	4.2E-03		
Area 01/Area 03/AOI 22	MW-22-2D	Deep	10/15/2002	T	INORG	Nickel	7440-02-0	3.09E+02		1.0E-01	3.1E+03	7.4E+04	4.2E-03		
Area 01/Area 03/AOI 22	MW-A1-8D	Deep	2/25/2004	T	INORG	Nickel	7440-02-0	6.10E+00		1.0E-01	6.1E+01	7.4E+04	8.2E-05		
Area 01/Area 03/AOI 22	MW-A1-8D	Deep	3/10/2003	T	INORG	Nickel	7440-02-0	1.79E+01		1.0E-01	1.8E+02	7.4E+04	2.4E-04		
Area 01/Area 03/AOI 33	MW-A1/33-1D	Deep	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	1.40E-02		2.0E-03	7.0E+00	1.0E+00	1.4E-02	3.3E+00	4.2E-03
Area 01/Area 03/AOI 33	MW-A1/33-1D	Deep	3/3/2003	T	VOC	Vinyl Chloride	75-01-4	9.00E-03		2.0E-03	4.5E+00	1.0E+00	9.0E-03	3.3E+00	2.7E-03
Area 01/Area 03/AOI 33	MW-A1/33-1D	Deep	10/7/2002	T	VOC	Vinyl Chloride	75-01-4	7.50E-03		2.0E-03	3.8E+00	1.0E+00	7.5E-03	3.3E+00	2.3E-03
Area 01/Area 03/AOI 33	MW-A1/33-2D	Deep	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	4.60E-02		2.0E-03	2.3E+01	1.0E+00	4.6E-02	3.3E+00	1.4E-02
Area 01/Area 03/AOI 33	MW-A1/33-2D	Deep	3/13/2003	T	VOC	Vinyl Chloride	75-01-4	2.10E-02		2.0E-03	1.1E+01	1.0E+00	2.1E-02	3.3E+00	6.3E-03
Area 01/Area 03/AOI 33	MW-A1/33-2D	Deep	10/11/2002	T	VOC	Vinyl Chloride	75-01-4	1.80E-02		2.0E-03	9.0E+00	1.0E+00	1.8E-02	3.3E+00	5.4E-03
Area 01/Area 03/AOI 33	MW-A1/33-5S	Shallow	3/13/2003	T	VOC	Vinyl Chloride	75-01-4	2.40E-03		2.0E-03	1.2E+00	1.0E+00	2.4E-03	3.3E+00	7.2E-04
Area 01/Area 03/AOI 33	MW-A1/33-6S	Shallow	3/13/2003	T	VOC	Vinyl Chloride	75-01-4	3.40E-02		2.0E-03	1.7E+01	1.0E+00	3.4E-02	3.3E+00	1.0E-02
Area 01/Area 03/AOI 33	MW-A1/33-7S	Shallow	2/25/2004	T	VOC	Vinyl Chloride	75-01-4	5.30E-02		2.0E-03	2.7E+01	1.0E+00	5.3E-02	3.3E+00	1.6E-02
Area 01/Area 03/AOI 33	MW-A1/33-7S	Shallow	3/13/2003	T	VOC	Vinyl Chloride	75-01-4	2.60E-02		2.0E-03	1.3E+01	1.0E+00	2.6E-02	3.3E+00	7.8E-03
Area 02/Area 03	MW-A2-2S	Shallow	2/24/2004	T	VOC	Vinyl Chloride	75-01-4	1.50E-02		2.0E-03	7.5E+00	1.0E+00	1.5E-02	3.3E+00	4.5E-03
Area 02/Area 03	MW-A2-3S	Shallow	7/29/2003	T	VOC	Vinyl Chloride	75-01-4	4.50E-03		2.0E-03	2.3E+00	1.0E+00	4.5E-03	3.3E+00	1.4E-03
Area 03/AOI 19	MW-19-1S	Shallow	3/10/2003	T	VOC	Vinyl Chloride	75-01-4	1.00E-01		2.0E-03	5.0E+01	1.0E+00	1.0E-01	3.3E+00	3.0E-02
Area 03/AOI 19	MW-19-1S	Shallow	7/25/2003	T	VOC	Vinyl Chloride	75-01-4	3.90E-02		2.0E-03	2.0E+01	1.0E+00	3.9E-02	3.3E+00	1.2E-02
Area 03/AOI 19	MW-19-2S	Shallow	2/24/2004	T	VOC	Vinyl Chloride	75-01-4	2.20E-01		2.0E-03	1.1E+02	1.0E+00	2.2E-01	3.3E+00	6.6E-02
Area 03/AOI 19	MW-19-2S	Shallow	3/11/2003	T	VOC	Vinyl Chloride	75-01-4	2.20E-01		2.0E-03	1.1E+02	1.0E+00	2.2E-01	3.3E+00	6.6E-02
Area 03/AOI 19	MW-19-2S	Shallow	7/25/2003	T	VOC	Vinyl Chloride	75-01-4	1.90E-01		2.0E-03	9.5E+01	1.0E+00	1.9E-01	3.3E+00	5.7E-02
Area 03/AOI 19	MW-19-3S	Shallow	2/24/2004	T	VOC	Vinyl Chloride	75-01-4	4.20E-02		2.0E-03	2.1E+01	1.0E+00	4.2E-02	3.3E+00	1.3E-02
Area 03/AOI 19	MW-19-4D	Deep	2/24/2004	T	VOC	Vinyl Chloride	75-01-4	5.00E-03		2.0E-03	2.5E+00	1.0E+00	5.0E-03	3.3E+00	1.5E-03
Area 03/AOI 19	MW-19-4D	Deep	11/21/2003	T	VOC	Vinyl Chloride	75-01-4	2.50E-02		2.0E-03	1.3E+01	1.0E+00	2.5E-02	3.3E+00	7.5E-03
Area 03/AOI 19	MW-19-4S	Shallow	2/24/2004	T	VOC	Vinyl Chloride	75-01-4	2.50E-01		2.0E-03	1.3E+02	1.0E+00	2.5E-01	3.3E+00	7.5E-02
Area 03/AOI 19	MW-19-4S	Shallow	3/11/2003	T	VOC	Vinyl Chloride	75-01-4	4.00E-01		2.0E-03	2.0E+02	1.0E+00	4.0E-01	3.3E+00	1.2E-01
Area 03/AOI 19	MW-19-4S	Shallow	7/25/2003	T	VOC	Vinyl Chloride	75-01-4	3.80E-01		2.0E-03	1.9E+02	1.0E+00	3.8E-01	3.3E+00	1.1E-01
Area 03/AOI 19	MW-19-6S	Shallow	7/29/2003	T	VOC	Vinyl Chloride	75-01-4	1.50E-01		2.0E-03	7.5E+01	1.0E+00	1.5E-01	3.3E+00	4.5E-02
General	MW-E-3S	Shallow	2/23/2004	T	VOC	1,1-Dichloroethene	75-35-4	7.50E-03		7.0E-03	1.1E+00	1.1E+01	6.8E-04	2.4E+02	3.1E-05
General	MW-E-3S	Shallow	3/10/2003	T	VOC	1,1-Dichloroethene	75-35-4	9.30E-03		7.0E-03	1.3E+00	1.1E+01	8.5E-04	2.4E+02	3.8E-05
General	MW-G-1S	Shallow	3/7/2003	T	INORG	Nickel	7440-02-0	1.40E-01		1.0E-01	1.4E+00	7.4E+04	1.9E-06		
General	MW-G-2D	Deep	3/7/2003	T	INORG	Nickel	7440-02-0	2.30E-01		1.0E-01	2.3E+00	7.4E+04	3.1E-06		
General	MW-G-2S	Shallow	3/7/2003	T	INORG	Nickel	7440-02-0	9.40E-01		1.0E-01	9.4E+00	7.4E+04	1.3E-05		

Table 2.3: Off-Site Groundwater Screening Results (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan

Area	Chem Group	Chemical	CASRN	Meas Basis	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Residential Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Residential Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Residential Drinking Water Criteria	Ratio of Max Conc to MDEQ Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Residential Vapor Intrusion Criteria
AOI 31	VOC	Acetone	67-64-1	T	ID	121	6	1.50E-03	4.60E-03	7.3E-01	3.1E+04	1.9E+05	nc	6.3E-03	1.5E-07	2.5E-08
AOI 31	VOC	Benzene	71-43-2	T	A	121	1	1.90E-04	1.90E-04	5.0E-03	1.1E+01	3.0E+00	c	3.8E-02	1.7E-05	6.2E-05
AOI 31	VOC	2-Butanone	78-93-3	T	ID	121	1	1.65E-03	1.65E-03	1.3E+01	2.4E+05	2.1E+05	nc	1.3E-04	6.9E-09	7.9E-09
AOI 31	VOC	Carbon Disulfide	75-15-0	T		121	3	2.40E-04	1.70E-03	8.0E-01	1.2E+03	3.5E+02	nc	2.1E-03	1.4E-06	4.8E-06
AOI 31	VOC	Chloroform	67-66-3	T	B2	121	14	2.90E-04	3.20E-03	1.0E-01	1.5E+02	1.3E+00	c	3.2E-02	2.1E-05	2.5E-03
AOI 31	VOC	Chloromethane	74-87-3	T	D	121	2	1.40E-04	1.70E-04	2.6E-01	4.9E+02	8.9E+01	nc	6.5E-04	3.5E-07	1.9E-06
AOI 31	VOC	1,2-Dichlorobenzene	95-50-1	T	D	121	2	1.20E-04	1.20E-04	6.0E-01	1.6E+02	4.3E+02	nc	2.0E-04	7.5E-07	2.8E-07
AOI 31	VOC	1,1-Dichloroethane	75-34-3	T	C	121	17	2.20E-04	1.50E-03	8.8E-01	2.4E+03	5.0E+02	nc	1.7E-03	6.3E-07	3.0E-06
AOI 31	VOC	1,2-Dichloroethane	107-06-2	T	B2	121	1	5.80E-04	5.80E-04	5.0E-03	1.9E+01	2.8E+00	c	1.2E-01	3.1E-05	2.1E-04
AOI 31	VOC	1,1-Dichloroethene	75-35-4	T	C	121	14	2.20E-04	5.00E-03	7.0E-03	1.1E+01	1.0E+02	nc	7.1E-01	4.5E-04	4.8E-05
AOI 31	VOC	cis-1,2-Dichloroethene	156-59-2	T	D	121	7	4.80E-04	4.50E-03	7.0E-02	2.0E+02	4.0E+01	nc	6.4E-02	2.3E-05	1.1E-04
AOI 31	VOC	Ethyl Benzene	100-41-4	T	D	121	5	1.30E-04	1.60E-03	7.0E-01	1.7E+02	1.0E+03	nc	2.3E-03	9.4E-06	1.6E-06
AOI 31	VOC	Methyl tert-butyl ether	1634-04-4	T		121	1	4.50E-04	4.50E-04	2.4E-01	6.1E+02	5.6E+02	c	1.9E-03	7.4E-07	8.0E-07
AOI 31	VOC	Methylene Chloride	75-09-2	T	B2	121	6	1.30E-03	2.70E-03	5.0E-03	2.2E+02	8.2E+01	c	5.4E-01	1.2E-05	3.3E-05
AOI 31	VOC	Tetrachloroethene	127-18-4	T	C-B2	121	3	8.60E-04	1.00E-03	5.0E-03	1.2E+01	5.4E+00	c	2.0E-01	8.3E-05	1.8E-04
AOI 31	VOC	Toluene	108-88-3	T	D	121	11	1.90E-04	8.80E-04	1.0E+00	5.3E+02	4.0E+02	nc	8.8E-04	1.7E-06	2.2E-06
AOI 31	VOC	1,1,1-Trichloroethane	71-55-6	T	D	121	46	2.60E-04	1.40E-01	2.0E-01	1.3E+03	1.5E+03	nc	7.0E-01	1.1E-04	9.3E-05
AOI 31	VOC	Trichloroethene	79-01-6	T	C-B2	121	30	1.70E-04	5.30E-01	5.0E-03	2.2E+01	1.1E+01	c	1.1E+02	2.4E-02	4.8E-02
AOI 31	VOC	Xylenes (total)	1330-20-7	T	ID	121	6	3.50E-04	7.60E-03	1.0E+01	1.9E+02	1.0E+02	nc	7.6E-04	4.0E-05	7.6E-05
AOI 31	INORG	Manganese	7439-96-5	D	D	8	5	2.00E-02	2.50E-01	8.6E-01	9.1E+03			2.9E-01	2.7E-05	
AOI 31	INORG	Manganese	7439-96-5	T	D	8	6	4.40E-03	2.60E-01	8.6E-01	9.1E+03			3.0E-01	2.9E-05	
Area 01	INORG	Chromium III	16065-83-1	T	D	19	1	2.50E-03	2.50E-03	3.8E+01	2.9E+05			6.6E-05	8.6E-09	
Area 01	INORG	Chromium VI	18540-29-9	D	A	19	1	7.00E-03	7.00E-03	1.0E-01	4.6E+02			7.0E-02	1.5E-05	
Area 01	INORG	Nickel	7440-02-0	T	A	35	20	2.70E-03	1.82E+03	1.0E-01	7.4E+04			1.8E+04	2.5E-02	
Notes:																
Only detected constituents are shown.																
Shaded cells represent ratios greater than 1.																
The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the screening criteria for Xylenes.																
c - The Screening Criteria is based on cancer risk.																
nc - The Screening Criteria is based on noncancer effects.																
Chem Group - Chemical Group.																
Meas Basis - Measured Basis; T = Total, D = Dissolved.																
Carc Class - EPA Weight-of-Evidence Cancer Classification.																

**Table 2.4: Off-Site Groundwater Concentrations Exceeding Screening Criteria (for RFI data through Stage VI)
GMC - 13000 Eckles Road, Livonia, Michigan**

Area	Location	Well Zone	Sample Date	Meas Basis	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Residential Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Residential Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Residential Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Residential Vapor Intrusion Criteria
AOI 31	MW-202S	Shallow	2/24/2004	T	VOC	Trichloroethene	79-01-6	1.40E-01		5.0E-03	2.8E+01	2.2E+01	6.4E-03	1.1E+01	1.3E-02
AOI 31	MW-202S	Shallow	6/20/2002	T	VOC	Trichloroethene	79-01-6	1.50E-01		5.0E-03	3.0E+01	2.2E+01	6.8E-03	1.1E+01	1.3E-02
AOI 31	MW-202S	Shallow	7/22/2003	T	VOC	Trichloroethene	79-01-6	1.20E-01		5.0E-03	2.4E+01	2.2E+01	5.5E-03	1.1E+01	1.1E-02
AOI 31	MW-202S	Shallow	12/6/2002	T	VOC	Trichloroethene	79-01-6	1.20E-01		5.0E-03	2.4E+01	2.2E+01	5.5E-03	1.1E+01	1.1E-02
AOI 31	MW-204S	Shallow	6/18/2002	T	VOC	Trichloroethene	79-01-6	7.70E-02		5.0E-03	1.5E+01	2.2E+01	3.5E-03	1.1E+01	6.9E-03
AOI 31	MW-204S	Shallow	7/24/2003	T	VOC	Trichloroethene	79-01-6	4.00E-02		5.0E-03	8.0E+00	2.2E+01	1.8E-03	1.1E+01	3.6E-03
AOI 31	MW-204S	Shallow	12/5/2002	T	VOC	Trichloroethene	79-01-6	5.30E-02		5.0E-03	1.1E+01	2.2E+01	2.4E-03	1.1E+01	4.8E-03
AOI 31	MW-213S	Shallow	2/23/2004	T	VOC	Trichloroethene	79-01-6	2.80E-01		5.0E-03	5.6E+01	2.2E+01	1.3E-02	1.1E+01	2.5E-02
AOI 31	MW-213S	Shallow	6/26/2002	T	VOC	Trichloroethene	79-01-6	2.60E-01		5.0E-03	5.2E+01	2.2E+01	1.2E-02	1.1E+01	2.3E-02
AOI 31	MW-213S	Shallow	7/23/2003	T	VOC	Trichloroethene	79-01-6	2.90E-01		5.0E-03	5.8E+01	2.2E+01	1.3E-02	1.1E+01	2.6E-02
AOI 31	MW-213S	Shallow	12/4/2002	T	VOC	Trichloroethene	79-01-6	4.90E-01		5.0E-03	9.8E+01	2.2E+01	2.2E-02	1.1E+01	4.4E-02
AOI 31	MW-215S	Shallow	2/23/2004	T	VOC	Trichloroethene	79-01-6	6.10E-02		5.0E-03	1.2E+01	2.2E+01	2.8E-03	1.1E+01	5.5E-03
AOI 31	MW-215S	Shallow	6/24/2002	T	VOC	Trichloroethene	79-01-6	8.90E-02		5.0E-03	1.8E+01	2.2E+01	4.0E-03	1.1E+01	8.0E-03
AOI 31	MW-215S	Shallow	7/22/2003	T	VOC	Trichloroethene	79-01-6	8.70E-02		5.0E-03	1.7E+01	2.2E+01	4.0E-03	1.1E+01	7.8E-03
AOI 31	MW-215S	Shallow	12/6/2002	T	VOC	Trichloroethene	79-01-6	7.90E-02		5.0E-03	1.6E+01	2.2E+01	3.6E-03	1.1E+01	7.1E-03
AOI 31	MW-302D	Deep	1/9/2003	T	VOC	Trichloroethene	79-01-6	2.70E-02		5.0E-03	5.4E+00	2.2E+01	1.2E-03	1.1E+01	2.4E-03
AOI 31	MW-302S	Shallow	1/9/2003	T	VOC	Trichloroethene	79-01-6	5.30E-01		5.0E-03	1.1E+02	2.2E+01	2.4E-02	1.1E+01	4.8E-02
AOI 31	MW-302S	Shallow	6/2/2003	T	VOC	Trichloroethene	79-01-6	4.60E-01		5.0E-03	9.2E+01	2.2E+01	2.1E-02	1.1E+01	4.1E-02
Area 01	HA-16AOI18	Deep	2/5/2003	T	INORG	Nickel	7440-02-0	9.94E+02		1.0E-01	9.9E+03	7.4E+04	1.3E-02		
Area 01	HA-16AOI18	Deep	2/27/2004	T	INORG	Nickel	7440-02-0	1.82E+03		1.0E-01	1.8E+04	7.4E+04	2.5E-02		
Area 01	HA-16AOI18	Deep	3/7/2003	T	INORG	Nickel	7440-02-0	1.10E+03		1.0E-01	1.1E+04	7.4E+04	1.5E-02		
Area 01	HA-MW-11	Deep	2/26/2004	T	INORG	Nickel	7440-02-0	1.90E+00		1.0E-01	1.9E+01	7.4E+04	2.6E-05		
Area 01	MW-OS-3D	Deep	2/24/2003	T	INORG	Nickel	7440-02-0	5.94E+01		1.0E-01	5.9E+02	7.4E+04	8.0E-04		
Area 01	MW-OS-3D	Deep	2/26/2004	T	INORG	Nickel	7440-02-0	6.19E+01		1.0E-01	6.2E+02	7.4E+04	8.4E-04		

A P P E N D I C E S

Appendix A: CA750 Form

DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action

Environmental Indicator (EI) RCRIS code (CA750)

Migration of Contaminated Groundwater Under Control

Facility Name: General Motors Corporation
Facility Address: 13000 Eckles Road, Livonia, Michigan
Facility EPA ID #: MID 005 356 621

1. Has **all** available relevant/significant information on known and reasonably suspected releases to the groundwater media, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been **considered** in this EI determination?

 X If yes - check here and continue with #2 below.

 If no - re-evaluate existing data, or

 If data are not available skip to #6 and enter "IN" (more information needed) status code.

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Migration of Contaminated Groundwater Under Control" EI

A positive "Migration of Contaminated Groundwater Under Control" EI determination ("YE" status code) indicates that the migration of "contaminated" groundwater has stabilized, and that monitoring will be conducted to confirm that contaminated groundwater remains within the original "area of contaminated groundwater" (for all groundwater "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Migration of Contaminated Groundwater Under Control" EI pertains ONLY to the physical migration (i.e., further spread) of contaminated ground water and contaminants within groundwater (e.g., non-aqueous phase liquids or NAPLs). Achieving this EI does not substitute for achieving other stabilization or final remedy requirements and expectations associated with sources of contamination and the need to restore, wherever practicable, contaminated groundwater to be suitable for its designated current and future uses.

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 2

2. Is **groundwater** known or reasonably suspected to be “contaminated”¹ above appropriately protective “levels” (i.e., applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?

 X If yes - continue after identifying key contaminants, citing appropriate “levels,” and referencing supporting documentation.

 If no - skip to #8 and enter “YE” status code, after citing appropriate “levels,” and referencing supporting documentation to demonstrate that groundwater is not “contaminated.”

 If unknown - skip to #8 and enter “IN” status code.

Rationale and Reference(s):

The occurrence of groundwater at the Site and the screening criteria for identifying “contaminated” groundwater are discussed in Section 4 of the RFI Report (CRA 2004b) and in Section 2.2.2 of the EI CA 750 Report (ENVIRON 2004). Comparison of the RFI groundwater data with the screening criteria is summarized in Tables 2-1 to 2-4 of the CA 750 Report. As discussed in Section 2.2 of the CA750 Report, the screening criteria include the Michigan Part 201 generic criteria for drinking water and groundwater contact. They also include conservative site-specific criteria that were developed for evaluating potential exposures to constituents in off-site groundwater if the constituents were to migrate through building foundations into indoor air.

Trichloroethene (TCE) and its degradation products (e.g., cis-1,2-dichloroethene, and vinyl chloride), chromium, and nickel are the predominant constituents in on-site groundwater with concentrations that are higher than drinking water criteria. These concentrations are generally found in Area 1, Area 2, AOI 19, AOI 21, AOI 28, AOI 33, AOI 37, AOI 39 and General. However, the volatile organic compound (VOC)-impacted groundwater at Area 1, AOI 19, AOI 21, and AOI 33 is likely attributable to contaminated groundwater that is migrating from the Plymouth Industrial Center (PIC) property located upgradient of the Site. Chromium is the only constituent in on-site groundwater with concentrations higher than the groundwater contact criteria (in Area 1).

TCE (at AOI 31) and nickel (at Area 1) are the only constituents that were detected at concentrations higher than the residential drinking water criteria in off-site groundwater downgradient of the Site.

Footnotes:

¹“Contamination” and “contaminated” describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate “levels” (appropriate for the protection of the groundwater resource and its beneficial uses).

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 3

3. Has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within “existing area of contaminated groundwater”² as defined by the monitoring locations designated at the time of this determination)?

 X If yes - continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the “existing area of groundwater contamination”².

 If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the “existing area of groundwater contamination”²) - skip to #8 and enter “NO” status code, after providing an explanation.

 If unknown - skip to #8 and enter “IN” status code.

Rationale and Reference(s):

The general direction of the groundwater flow across the Site is from the northwest to the southeast, except in the western portion of the Site (Area 1) where groundwater flows from north to south toward the French drain collection system. The Site is located downgradient and to the southeast of the PIC property which is a known source of VOC-contaminated groundwater. The predominant groundwater contaminants measured in on-site monitoring wells are, TCE and its degradation products, chromium, and nickel. Other contaminants were found in the groundwater (1,1,1-trichloroethane, 1,1,2-trichloroethane, and methylene chloride); however, these contaminants were found in limited parts of AOI 28 and the General area. The VOC-impacted groundwater identified at Area 1, AOI 21, and AOI 33 has been delineated on-site. The source of this VOC-impacted groundwater appears to be the PIC property located upgradient to the northwest of the Site. Based on data from the PIC property that MDEQ provided to GM, higher concentrations of VOCs than those found at the Site (particularly chlorinated VOCs) are located at the PIC property and appear to be associated with the parent compounds of other VOCs found in on-site groundwater.

Nickel has been delineated in Area 1. The nickel plume appears to be migrating either under or around the French drain system. However, the plume has been delineated in all directions, including off-site to the south. The chromium concentrations have been delineated in Area 1 and the downgradient extent of these concentrations is defined by the location of the French drain collection system.

LNAPLs are present at the water table at the north edge of Area 1 (at well MW-A1/33-2S) and in AOI 21 (at well MW-A1-16S). The extent of LNAPL in each of these areas was delineated by soil borings and monitoring wells installed around these wells which do not have measurable amounts of LNAPL.

Nickel (Area 1) and TCE (AOI 31) were detected in off-site monitoring wells at concentrations higher than the residential screening criteria. The presence of nickel at concentrations higher than the screening criteria in off-site groundwater has been found at the southern edge of the public right-of-way along the southern Site boundary, and has not been found in any of the monitoring wells further downgradient. The proposed slurry wall to be installed at Area 1 (CRA 2004d) is expected to enhance containment of the nickel plume. The TCE plume at AOI 31 has been delineated both at and downgradient of the Site. The extent of TCE contamination has remained stable over the past several years of monitoring. In addition, GM has excavated TCE-containing soil from an on-site portion of AOI 31 as part of the excavation of PCB-impacted soil (CRA 2003e), which should reduce or eliminate further contribution of TCE to groundwater at or downgradient of the Site. GM has also recently implemented in-situ treatment of TCE-contaminated on-site groundwater at AOI 31 (injection of potassium permanganate) to reduce further contribution of TCE to off-site groundwater.

² “existing area of contaminated groundwater” is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of “contamination” that can and will be sampled/tested in the future to physically verify that all “contaminated” groundwater remains within this area, and that the further migration of “contaminated” groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 4

4. Does “contaminated” groundwater **discharge** into **surface water** bodies?

_____ If yes - continue after identifying potentially affected surface water bodies.

 X If no - skip to #7 (and enter a “YE” status code in #8, if #7 = yes) after providing an explanation and/or referencing documentation supporting that groundwater “contamination” does not enter surface water bodies.

_____ If unknown - skip to #8 and enter “IN” status code.

Rationale and Reference(s):

No surface water bodies exist at the Site. The Rouge River and Newburgh Lake are the prominent hydrologic features downgradient of the Site. Newburgh Lake is located approximately ¼-mile south of the Site, and the Middle Rouge River is located approximately ¼-mile southwest of the Site. These surface water bodies are located over 1,000 feet from the downgradient extent of contaminated groundwater; therefore, discharge of contaminated off-site groundwater to surface water bodies is not occurring.

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 5

5. Is the **discharge** of “contaminated” groundwater into surface water likely to be “**insignificant**” (i.e., the maximum concentration³ of each contaminant discharging into surface water is less than 10 times their appropriate groundwater “level,” and there are no other conditions (e.g., the nature, and number, of discharging contaminants, or environmental setting), which significantly increase the potential for unacceptable impacts to surface water, sediments, or eco-systems at these concentrations)?

_____ If yes - skip to #7 (and enter “YE” status code in #8 if #7 = yes), after documenting: 1) the maximum known or reasonably suspected concentration³ of key contaminants discharged above their groundwater “level,” the value of the appropriate “level(s),” and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgement/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.

_____ If no - (the discharge of “contaminated” groundwater into surface water is potentially significant) - continue after documenting: 1) the maximum known or reasonably suspected concentration³ of each contaminant discharged above its groundwater “level,” the value of the appropriate “level(s),” and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations³ greater than 100 times their appropriate groundwater “levels,” the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.

_____ If unknown - enter “IN” status code in #8.

Rationale and Reference(s):

³ As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 6

6. Can the **discharge** of “contaminated” groundwater into surface water be shown to be “**currently acceptable**” (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented⁴)?

_____ If yes - continue after either: 1) identifying the Final Remedy decision incorporating these conditions, or other site-specific criteria (developed for the protection of the site’s surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR 2) providing or referencing an interim-assessment,⁵ appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interim-assessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment “levels,” as well as any other factors, such as effects on ecological receptors (e.g., via bio-assays/benthic surveys or site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.

_____ If no - (the discharge of “contaminated” groundwater can not be shown to be “**currently acceptable**”) - skip to #8 and enter “NO” status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and/or eco-systems.

_____ If unknown - skip to 8 and enter “IN” status code.

Rationale and Reference(s):

⁴ Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.

⁵ The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 7

7. Will groundwater **monitoring** / measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the “existing area of contaminated groundwater?”

 X If yes - continue after providing or citing documentation for planned activities or future sampling/measurement events. Specifically identify the well/measurement locations which will be tested in the future to verify the expectation (identified in #3) that groundwater contamination will not be migrating horizontally (or vertically, as necessary) beyond the “existing area of groundwater contamination.”

 If no - enter “NO” status code in #8

 If unknown - enter “IN” status code in #8.

Rationale and Reference(s):

Groundwater quality will continue to be monitored semi-annually for a period of two years:

- Area 1: monitoring wells MW-OS-3D, MW-OS-4S, MW-OS-4D, MW-OS-9S, MW-OS-9D, MW-OS-10D and HA-MW-12
- AOI 21: monitoring wells MW-A1-10S and MW-A1-10D
- AOI 28: MW-28-3S
- AOI 31: MW-211S, MW-211D, MW-212S, MW-212D, MW-214S, MW-214D, MW-216S, MW-216D, MW-303S, MW-304S, and MW-304D.

Samples collected from Area 1 will be analyzed for chromium and nickel, and samples collected from AOI 21, AOI 28, and AOI 31 will be analyzed for target compound list (TCL) volatile organic compounds (VOCs) in accordance with the protocols described in the Quality Assurance Project Plan (QAPP) of the RFI Work Plan (CRA 2002d). Based on the data collected during the two years of semi-annual monitoring, the monitoring frequency may be adjusted as appropriate (e.g., to annual monitoring).

In addition, the following monitoring wells will be checked for the presence of measurable LNAPL:

- Area 1/AOI 33: monitoring wells MW-A1/33-2S, MW-A1-6S, MW-A1/33-6S, and MW-A1/33-7S
- AOI 21: monitoring wells MW-A1-16S, MW-21-1S, MW-21-2S, and MW-21-3S

Recoverable amounts of LNAPL encountered during monitoring will be removed. Monitoring will be initially conducted monthly, and the frequency will be adjusted as appropriate (e.g., to quarterly or semi-annually) based on the volumes recovered and the recovery rates observed during the initial several months..

Migration of Contaminated Groundwater Under Control
Environmental Indicator (EI) RCRIS code (CA750)
Page 8

8. Check the appropriate RCRIS status codes for the Migration of Contaminated Groundwater Under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (attach appropriate supporting documentation as well as a map of the facility).

YE YE - Yes, "Migration of Contaminated Groundwater Under Control" has been verified. Based on a review of the information contained in this EI determination, it has been determined that the "Migration of Contaminated Groundwater" is "Under Control" at the General Motors Corporation facility, EPA ID # MID 005356621, located at 13000 Eckles Road, Livonia, Michigan. Specifically, this determination indicates that the migration of "contaminated" groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the "existing area of contaminated groundwater" This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

____ NO - Unacceptable migration of contaminated groundwater is observed or expected.

____ IN - More information is needed to make a determination.

Completed by (signature) _____ Date _____
 (print) _____
 (title) _____

Supervisor (signature) _____ Date _____
 (print) _____
 (title) _____
 (EPA Region or State) _____

Locations where References may be found:

USEPA Region 5 has the following documents, which support the documentation. Section 3 of the EI Report provides the full citation for each of these documents:

- *Current Conditions Report (CRA 2002a)*
- *RFI Work Plans and addenda (CRA 2002b, 2002c, 2002d, 2002e, 2003a, 2003b, 2003c 2003d, 2004a and 2004c)*
- *RFI Report (CRA 2004b)*
- *EI CA 725 Report (ENVIRON 2004)*
- *Interim Measures Work Plan for Installation of Slurry Wall at Area 1 (CRA 2004d)*

Contact telephone and e-mail numbers

(name) _____
(phone #) _____
(e-mail) _____

Appendix B

Summary of Additional RFI Groundwater Data

Secondary Area of Interest:	AOI 19	AOI 19	AOI 19	AOI 19	AOI 19	AOI 19	AOI 19	AOI 19	AOI 19	AOI 19	AOI 24	AOI 27/AOI 28	AOI 27/AOI 28	AOI 27/AOI 37	AOI 28
Sample Location:	MW-19-2S	MW-19-3S	MW-19-4S	MW-19-5S	MW-19-7S	MW-19-4D	MW-19-8D	MW-19-8D	MW-19-8S	MW-24-1S	MW-28-10S	MW-28-13S	MW-27-1S	MW-006	
Sample ID:	GW-022404-DR-1404	GW-022404-DR-1408	GW-022404-DR-1409	GW-022404-BW-1402	GW-022404-BW-1403	GW-022404-DR-1410	GW-022404-DR-1406	GW-022404-DR-1407	GW-022404-DR-1405	GW-022504-DR-1460	GW-022604-DR-1494	GW-022604-DR-1495	GW-022604-DR-1493	GW-021904-JD-1336	
Sample Date:	2/24/2004	2/24/2004	2/24/2004	2/24/2004	2/24/2004	2/24/2004	2/24/2004	2/24/2004	2/24/2004	2/25/2004	2/26/2004	2/26/2004	2/26/2004	2/19/2004	
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	
Volatile Organic Compounds (mg/L)															
1,1,1-Trichloroethane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	0.03	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	0.0038	0.036	0.031	
1,1,2,2-Tetrachloroethane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,1,2-Trichloroethane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,1-Dichloroethane	0.0067 J	ND (0.0014)	ND (0.01)	0.0023	0.079	ND (0.001)	0.00029 J	0.00027 J	ND (0.033)	ND (0.001)	0.0017	0.00065 J	0.0049	0.0023 J	
1,1-Dichloroethene	ND (0.008)	ND (0.0014)	ND (0.01)	0.0009 J	0.0047	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	0.0016	ND (0.001)	ND (0.001)	ND (0.008)	
1,2,4-Trichlorobenzene	ND (0.04)	ND (0.0072)	ND (0.05)	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.17)	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.04)	
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,2-Dichlorobenzene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,2-Dichloroethane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,2-Dichloropropane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,3-Dichlorobenzene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
1,4-Dichlorobenzene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
2-Butanone (Methyl Ethyl Ketone)	ND (0.2)	ND (0.036)	ND (0.25)	ND (0.025)	ND (0.083)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.83)	ND (0.025) U	ND (0.025)	0.0033 J	ND (0.025)	ND (0.2)	
2-Hexanone	ND (0.4)	ND (0.072)	ND (0.5)	ND (0.05)	ND (0.17)	ND (0.05)	ND (0.05)	ND (0.05)	ND (1.7)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.4)	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.4)	ND (0.072)	ND (0.5)	ND (0.05)	ND (0.17)	ND (0.05)	ND (0.05)	ND (0.05)	ND (1.7)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.4)	
Acetone	ND (0.2) UJ	ND (0.036) U	ND (0.25) U	ND (0.025) UJ	ND (0.083) U	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.83) UJ	ND (0.025) U	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.2) UJ	
Benzene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Bromodichloromethane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Bromoform	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Bromomethane (Methyl Bromide)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Carbon disulfide	ND (0.04)	ND (0.0072)	ND (0.05)	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.17)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.04)	
Carbon tetrachloride	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Chlorobenzene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Chloroethane	ND (0.008)	ND (0.0014)	ND (0.01)	0.002	0.013	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	0.00096 J	0.0021	ND (0.001)	ND (0.001)	ND (0.008) UJ	
Chloroform (Trichloromethane)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	0.00027 J	ND (0.008)	
Chloromethane (Methyl Chloride)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
cis-1,2-Dichloroethene	0.064	0.00052 J	ND (0.01)	0.004	ND (0.0033)	ND (0.001)	0.0059	0.0058	0.17	ND (0.001)	0.0093	ND (0.001)	ND (0.001)	ND (0.008)	
cis-1,3-Dichloropropene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Cyclohexane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Dibromochloromethane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Dichlorodifluoromethane (CFC-12)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.008)	
Ethylbenzene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	0.0051	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Isopropylbenzene	ND (0.04)	ND (0.0072)	ND (0.05)	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.17)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.04)	
Methyl acetate	ND (0.014)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.033)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.33)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.08)	
Methyl cyclohexane	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Methyl Tert Butyl Ether	ND (0.04)	ND (0.0072)	ND (0.05)	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.17)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.04)	
Methylene chloride	ND (0.04)	ND (0.0072) U	ND (0.005)	ND (0.005)	ND (0.017)	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.17)	ND (0.005) U	ND (0.005) U	ND (0.005) UJ	ND (0.005) U	0.0093 J	
Styrene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Tetrachloroethene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.2	
Toluene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
trans-1,2-Dichloroethene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	0.01	0.01	0.027 J	ND (0.001)	0.0013	ND (0.001)	ND (0.001)	ND (0.008)	
trans-1,3-Dichloropropene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Trichloroethene	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	0.0088	0.0086	1.1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Trichlorofluoromethane (CFC-11)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Trifluorotrichloroethane (Freon 113)	ND (0.008)	ND (0.0014)	ND (0.01)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.033)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Vinyl chloride	0.22	0.042	0.25	ND (0.001)	0.00093 J	0.005	ND (0.001)	ND (0.001)	0.027 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.008)	
Xylene (total)	ND (0.024)	ND (0.0043)	ND (0.03)	ND (0.003)	ND (0.01)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.1)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.024)	
Semi-volatile Organic Compounds (mg/L)															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004)	ND (0.004)	--	
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	ND (0.01)	ND (0.01)	ND (0.01)	--	
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--	
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004)	ND (0.004)	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--	
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--	
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--	
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--	
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--	

TABLE B.1															Table B.1
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES															Page 2 of 28
RFI - STAGE VI															October 28, 2004
13000 ECKLES ROAD SITE															
LIVONIA, MICHIGAN															
Secondary Area of Interest:	AOI 19		AOI 19		AOI 19		AOI 19		AOI 19		AOI 19		AOI 24		
Sample Location:	MW-19-2S		MW-19-3S		MW-19-4S		MW-19-5S		MW-19-7S		MW-19-4D		MW-19-8D		
Sample ID:	GW-022404-DR-1404	GW-022404-DR-1408	GW-022404-DR-1409	GW-022404-BW-1402	GW-022404-BW-1403	GW-022404-DR-1410	GW-022404-DR-1406	GW-022404-DR-1407	GW-022404-DR-1405	GW-022504-DR-1460	GW-022604-DR-1494	GW-022604-DR-1495	GW-022604-DR-1493	GW-021904-JD-1336	
Sample Date:	2/24/2004		2/24/2004		2/24/2004		2/24/2004		2/24/2004		2/24/2004		2/25/2004		
Sampling Event:	RFI-Stage VI		RFI-Stage VI		RFI-Stage VI		RFI-Stage VI		RFI-Stage VI		RFI-Stage VI		RFI-Stage VI		
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	0.0011 J	0.00094 J	0.00095 J	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	0.00071 J	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	0.0035 J	ND (0.01)	ND (0.01)	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004)	ND (0.004)	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004) UJ	ND (0.004)	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004) UJ	ND (0.004)	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005) UJ	ND (0.005)	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005) UJ	ND (0.005)	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	ND (0.01)	ND (0.01)	ND (0.01)	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004)	ND (0.004)	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005) U	ND (0.005)	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	ND (0.01)	ND (0.01)	ND (0.01)	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	ND (0.01)	ND (0.01)	ND (0.01)	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004) UJ	ND (0.004)	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005) UJ	ND (0.005)	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004) UJ	ND (0.004)	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	ND (0.01)	ND (0.01)	ND (0.01)	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	ND (0.004)	ND (0.004)	ND (0.004)	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	ND (0.02)	ND (0.02)	ND (0.02)	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)	ND (0.005)	ND (0.005)	--
Metals (mg/L)															
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/L)															
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0002)	ND (0.0002) UJ	ND (0.0002)	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0002)	ND (0.0002) UJ	ND (0.0002)	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0004)	ND (0.0004) UJ	ND (0.0004)	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0002)	ND (0.0002) UJ	ND (0.0002)	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0002)	ND (0.0002) UJ	ND (0.0002)	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0002)	ND (0.0002) UJ	ND (0.0002)	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	ND (0.0002)	ND (0.0002) UJ	ND (0.0002)	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28/AOI 37	AOI 28/AOI 37	AOI 28/AOI 39	AOI 30	AOI 30	AOI 30
Sample Location:	MW-28-1S	MW-28-2S	MW-28-4S	MW-28-6S	MW-28-8S	MW-28-9S	MW-28-11S	MW-28-7D	MW-28-3S	MW-28-7S	MW-BG-7S	MW-30-2S	MW-30-2S	MW-30-4S
Sample ID:	GW-021904-JD-1338	GW-021904-JD-1344	GW-021904-JD-1343	GW-021904-JD-1337	GW-021904-JD-1340	GW-021904-BW-1333	GW-021904-BW-1334	GW-021904-BW-1342	GW-021904-BW-1335	GW-021904-BW-1341	GW-021904-BW-1339	GW-021904-JD-1347	GW-021904-JD-1348	GW-022404-BW-1413
Sample Date:	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/24/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	ND (0.001)	0.0018	0.64	ND (0.001)	0.00081 J	0.064	ND (0.008)	ND (0.001)	0.088	0.0059	ND (0.001)	0.0096	0.0095	0.00067 J
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	0.011 J	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	0.0062	0.046	0.0025	0.00067 J	0.0035	ND (0.008)	ND (0.001)	0.0045	0.0065	ND (0.001)	0.018	0.018	0.0048
1,1-Dichloroethene	ND (0.001)	0.00067 J	0.053	ND (0.001)	ND (0.001)	0.0041	ND (0.008)	0.00063 J	0.006	0.002 J	ND (0.001)	0.0011	0.00095 J	0.00088 J
1,2,4-Trichlorobenzene	ND (0.005)	ND (0.005)	ND (0.1)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.04)	ND (0.005)	ND (0.02)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	0.00062 J	ND (0.02)	0.0014	ND (0.001)	0.00077 J	ND (0.008)	0.00043 J	ND (0.004)	0.0015 J	ND (0.001)	0.00045 J	0.00043 J	0.00024 J
1,2-Dichloropropane	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.5)	ND (0.025)	ND (0.025)	ND (0.05)	ND (0.2)	ND (0.025)	ND (0.1)	ND (0.062)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Hexanone	ND (0.05)	ND (0.05)	ND (1)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.4)	ND (0.05)	ND (0.2)	ND (0.12)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.05)	ND (0.05)	ND (1)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.4)	ND (0.05)	ND (0.2)	ND (0.12)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Acetone	ND (0.025) UJ	ND (0.025) UJ	ND (0.5) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.05) UJ	ND (0.2) UJ	ND (0.025) UJ	ND (0.1) UJ	ND (0.062) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) U
Benzene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromodichloromethane	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromoform	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.1)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.04)	ND (0.005)	ND (0.02)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon tetrachloride	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chlorobenzene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroethane	ND (0.001)	0.015 J	0.043 J	ND (0.001) UJ	ND (0.001) UJ	ND (0.002) UJ	0.18	ND (0.001) UJ	0.0065	ND (0.0025) UJ	ND (0.001)	0.002 J	0.0019 J	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	0.00085 J	0.00087 J	ND (0.001)
Chloromethane (Methyl Chloride)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	0.0076	0.0058	0.07	ND (0.001)	ND (0.001)	ND (0.001)	0.00072 J
cis-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cyclohexane	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromochloromethane	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001) UJ	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008) UJ	ND (0.001)	ND (0.004) UJ	ND (0.0025)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.1)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.04)	ND (0.005)	ND (0.02)	ND (0.012)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methyl acetate	ND (0.01)	ND (0.01)	ND (0.2)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.08)	ND (0.01)	ND (0.04)	ND (0.025)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methyl cyclohexane	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.008)	ND (0.001)	ND (0.004)	ND (0.0025)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	ND (0.005)	ND (0.005)	ND (0.1)	ND (0.005)	ND (0									

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28	AOI 28/AOI 37	AOI 28/AOI 37	AOI 28/AOI 39	AOI 30	AOI 30	AOI 30
Sample Location:	MW-28-1S	MW-28-2S	MW-28-4S	MW-28-6S	MW-28-8S	MW-28-9S	MW-28-11S	MW-28-7D	MW-28-3S	MW-28-7S	MW-BG-7S	MW-30-2S	MW-30-2S	MW-30-4S
Sample ID:	GW-021904-JD-1338	GW-021904-JD-1344	GW-021904-JD-1343	GW-021904-JD-1337	GW-021904-JD-1340	GW-021904-BW-1333	GW-021904-BW-1334	GW-021904-BW-1342	GW-021904-BW-1335	GW-021904-BW-1341	GW-021904-BW-1339	GW-021904-JD-1347	GW-021904-JD-1348	GW-022404-BW-1413
Sample Date:	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/19/2004	2/24/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1															Table B.1
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES															Page 5 of 28
RFI - STAGE VI															October 28, 2004
13000 ECKLES ROAD SITE															
LIVONIA, MICHIGAN															
Secondary Area of Interest:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW1-01	MW1-01	MW3D-02	MW3S-02	MW4S-02	MW5S-02	MW-103D	MW-104D	MW-104S	MW-105D	MW-105S	MW-201D	MW-201S	MW-202D	
Sample ID:	GW-022304-DR-1399	GW-022304-DR-1400	GW-022004-SP-1364	GW-022004-SP-1363	GW-022304-DR-1376	GW-022304-BW-1398	GW-022304-BW-1379	GW-022404-MM-1418	GW-022404-MM-1417	GW-022304-DR-1378	GW-022304-DR-1377	GW-022404-CB-1420	GW-022404-CB-1419	GW-022404-CB-1418	
Sample Date:	2/23/2004	2/23/2004	2/20/2004	2/20/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/24/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Duplicate															
Volatile Organic Compounds (mg/L)															
1,1,1-Trichloroethane	0.00035 J	0.00031 J	ND (0.001)	0.0095	0.027	0.00094 J	ND (0.001)	ND (0.001)	0.014	ND (0.001)	0.014	ND (0.001)	0.009	ND (0.001)	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	0.00034 J	ND (0.0025)	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-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	0.0007 J	0.0014 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0011	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.012) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.0025) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.062)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Hexanone	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.12)	ND (0.05)	ND (0.05)	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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.12)	ND (0.05)	ND (0.05)	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	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.062) 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) UJ	ND (0.025) UJ	ND (0.025) UJ
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.012)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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)
Chloromethane (Methyl Chloride)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.0025) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	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)
Isop															

	TABLE B.1														Table B.1
	ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														Page 6 of 28
	RFI - STAGE VI														October 28, 2004
	13000 ECKLES ROAD SITE														
	LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	
Sample Location:	MW1-01	MW1-01	MW3D-02	MW3S-02	MW4S-02	MW5S-02	MW-103D	MW-104D	MW-104S	MW-105D	MW-105S	MW-201D	MW-201S	MW-202D	
Sample ID:	GW-022304-DR-1399	GW-022304-DR-1400	GW-022004-SP-1364	GW-022004-SP-1363	GW-022304-DR-1376	GW-022304-BW-1398	GW-022304-BW-1379	GW-022404-MM-1418	GW-022404-MM-1417	GW-022304-DR-1378	GW-022304-DR-1377	GW-022404-CB-1420	GW-022404-CB-1419	GW-022404-CB-1426	
Sample Date:	2/23/2004	2/23/2004	2/20/2004	2/20/2004	2/23/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/24/2004	
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	
		Duplicate													
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Metals (mg/L)															
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Polychlorinated Biphenyls (mg/L)															
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Secondary Area of Interest:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-202S	MW-203D	MW-203S	MW-204D	MW-205D	MW-206D	MW-206S	MW-211D	MW-211D	MW-211S	MW-212D	MW-212D	MW-212S	MW-213D
Sample ID:	GW-022404-CB-1421	GW-022304-MM-1387	GW-022304-MM-1386	GW-022304-CB-1388	GW-022304-CB-1385	GW-022304-CB-1397	GW-022304-CB-1396	GW-022404-CB-1428	GW-022404-CB-1429	GW-022404-MM-1427	GW-022304-MM-1393	GW-022304-MM-1394	GW-022304-MM-1395	GW-022304-CB-1390
Sample Date:	2/24/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/24/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	0.058	ND (0.001)	0.0012	ND (0.001)	ND (0.001)	ND (0.001)	0.032	ND (0.001)	ND (0.001)	0.0043	ND (0.001)	ND (0.001)	0.042	ND (0.001)
1,1,2,2-Tetrachloroethane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,1,2-Trichloroethane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,1-Dichloroethane	0.0015 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)	ND (0.001)	ND (0.002)	ND (0.001)
1,1-Dichloroethene	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0019	ND (0.001)	ND (0.001)	0.00022 J	ND (0.001)	ND (0.001)	0.004	ND (0.001)
1,2,4-Trichlorobenzene	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) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.01)	ND (0.005) UJ
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.005)	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)	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.001) UJ
1,2-Dibromoethane (Ethylene Dibromide)	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,2-Dichlorobenzene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,2-Dichloroethane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,2-Dichloropropane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,3-Dichlorobenzene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
1,4-Dichlorobenzene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.12)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.05)	ND (0.025)
2-Hexanone	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)
Acetone	ND (0.12) UJ	ND (0.025) UJ	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025)	ND (0.025)	ND (0.05) UJ	ND (0.025)
Benzene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Bromodichloromethane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Bromoform	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Bromomethane (Methyl Bromide)	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Carbon disulfide	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 (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)
Carbon tetrachloride	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Chlorobenzene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Chloroethane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Chloroform (Trichloromethane)	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 (0.001)	ND (0.001)	ND (0.001)	0.00059 J	ND (0.001)
Chloromethane (Methyl Chloride)	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
cis-1,2-Dichloroethene	0.0045 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)	ND (0.001)	ND (0.002)	ND (0.001)
cis-1,3-Dichloropropene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Cyclohexane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Dibromochloromethane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.005)	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	ND (0.001) UJ	ND (0.002)	ND (0.001) UJ
Ethylbenzene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Isopropylbenzene	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 (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)
Methyl acetate	ND (0.05)	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)	ND (0.01)	ND (0.02)	ND (0.01)
Methyl cyclohexane	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Methyl Tert Butyl Ether	ND (0.025)	ND (0.005) UJ	ND (0.005) UJ	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)	ND (0.005) UJ	ND (0.005) UJ	ND (0.01) UJ	ND (0.005) UJ
Methylene chloride	ND (0.025)	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) U	ND (0.005) U	ND (0.005) U	ND (0.005)	ND (0.01)	ND (0.005)
Styrene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Tetrachloroethene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Toluene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
trans-1,2-Dichloroethene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
trans-1,3-Dichloropropene	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Trichloroethene	0.14	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)	0.0015 J	0.00046 J
Trichlorofluoromethane (CFC-11)	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Vinyl chloride	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 (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)
Xylene (total)	ND (0.015)	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)	ND (0.003)	ND (0.006)	ND (0.003)
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-202S	MW-203D	MW-203S	MW-204D	MW-205D	MW-206D	MW-206S	MW-211D	MW-211D	MW-211S	MW-212D	MW-212D	MW-212S	MW-213D
Sample ID:	GW-022404-CB-1421	GW-022304-MM-1387	GW-022304-MM-1386	GW-022304-CB-1388	GW-022304-CB-1385	GW-022304-CB-1397	GW-022304-CB-1396	GW-022404-CB-1428	GW-022404-CB-1429	GW-022404-MM-1427	GW-022304-MM-1393	GW-022304-MM-1394	GW-022304-MM-1395	GW-022304-CB-1390
Sample Date:	2/24/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/24/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES

RFI - STAGE VI
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Secondary Area of Interest:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-213S	MW-214D	MW-214S	MW-214S	MW-215D	MW-215S	MW-216D	MW-216S	MW-217D	MW-217S	MW-218D	MW-218S	MW-301S	MW-303S
Sample ID:	GW-022304-CB-1389	GW-022304-CB-1382	GW-022304-CB-1383	GW-022304-CB-1384	GW-022304-MM-1380	GW-022304-MM-1381	GW-022404-CB-1425	GW-022404-CB-1424	GW-022304-MM-1392	GW-022304-MM-1391	GW-022404-CB-1422	GW-022404-CB-1423	GW-022704-MM-1512	GW-022404-MM-1430
Sample Date:	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/24/2004	2/24/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	0.04	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.028	ND (0.001)	ND (0.001)	ND (0.001)	0.0024	ND (0.001)	0.00047 J	ND (0.001)	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00037 J	ND (0.001)	0.00028 J	ND (0.001)
1,1-Dichloroethene	0.0038 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0016 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0014	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	ND (0.062)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.01) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.012)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.002) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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)	ND (0.31)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Hexanone	ND (0.62)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	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)	ND (0.62)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	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	ND (0.31) UJ	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025)	ND (0.05) UJ	ND (0.025) U	ND (0.025) U	ND (0.025)	ND (0.025)	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) U
Benzene	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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)	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.062)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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)	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	0.00064 J	ND (0.001)	ND (0.001)	0.00088 J	0.0006 J
Chloromethane (Methyl Chloride)	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00048 J	ND (0.001)
cis-1,3-Dichloropropene	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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)	ND (0.012)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.062)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	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	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.062) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.01) UJ	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005)
Methylene chloride	ND (0.062) UJ	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01) UJ	ND (0.005) U	ND (0.005) U	ND (0.005) UJ	ND (0.005) U	ND (0.005) U	ND (0.005) U	0.0027 J	ND (0.005) U
Styrene	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00019 J	ND (0.001)
trans-1,2-Dichloroethene	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	0.28	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.061	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0025	ND (0.001)	ND (0.001)
Trichlorofluoromethane (CFC-11)	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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)	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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	ND (0.012)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	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)	ND (0.038)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.006)	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-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31	AOI 31
Sample Location:	MW-213S	MW-214D	MW-214S	MW-214S	MW-215D	MW-215S	MW-216D	MW-216S	MW-217D	MW-217S	MW-218D	MW-218S	MW-301S	MW-303S
Sample ID:	GW-022304-CB-1389	GW-022304-CB-1382	GW-022304-CB-1383	GW-022304-CB-1384	GW-022304-MM-1380	GW-022304-MM-1381	GW-022404-CB-1425	GW-022404-CB-1424	GW-022304-MM-1392	GW-022304-MM-1391	GW-022404-CB-1422	GW-022404-CB-1423	GW-022704-MM-1512	GW-022404-MM-1430
Sample Date:	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/23/2004	2/23/2004	2/24/2004	2/24/2004	2/27/2004	2/24/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Secondary Area of Interest:	AOI 31	AOI 31	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 39
Sample Location:	MW-304D	MW-304S	GMW-1	GMW-3	MW-33-3S	MW-33-4S	MW-33-5S	MW-33-6S	MW-33-7S	MW-33-7S	MW-33-8D	MW-33-8S	MW-33-9S	MW-BG-4D
Sample ID:	GW-022404-BW-1431	GW-022404-BW-1432	GW-022504-BW-1453	GW-022504-BW-1454	GW-022404-BW-1414	GW-022504-DR-1447	GW-022504-DR-1448	GW-022504-BW-1449	GW-022404-DR-1415	GW-022404-DR-1416	GW-022504-BW-1451	GW-022504-BW-1450	GW-022504-BW-1452	GW-021904-BW-1345
Sample Date:	2/24/2004	2/24/2004	2/25/2004	2/25/2004	2/24/2004	2/25/2004	2/25/2004	2/25/2004	2/24/2004	2/24/2004	2/25/2004	2/25/2004	2/25/2004	2/19/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	0.33	0.018	ND (0.001)	ND (0.001)	0.00021 J	ND (0.001)	0.0013	0.0014	0.0096 J	0.12	0.043	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	0.00097 J	0.031	0.0041	0.00063 J	0.0003 J	0.0016	0.0039	ND (0.001)	ND (0.001)	0.0041 J	0.028	0.0039	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	0.012	0.0017	0.00075 J	ND (0.001)	ND (0.001)	0.0011	ND (0.001)	ND (0.001)		0.013	0.0058	ND (0.001)
1,2,4-Trichlorobenzene	ND (0.005)	ND (0.005)	ND (0.056)	ND (0.005) U	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.025)	ND (0.0072)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,2-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,2-Dichloropropane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,3-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
1,4-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.28)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.25)	ND (0.12)	ND (0.036)	ND (0.025)
2-Hexanone	ND (0.05)	ND (0.05)	ND (0.56)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.5)	ND (0.25)	ND (0.072)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.05)	ND (0.05)	ND (0.56)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.5)	ND (0.25)	ND (0.072)	ND (0.05)
Acetone	ND (0.025) U	ND (0.025) U	ND (0.28)	0.0017 J	ND (0.025) U	0.0013 J	0.0033 J	0.0036 J	ND (0.025) U	ND (0.025) U	ND (0.25)	ND (0.12)	0.0017 J	ND (0.025) UJ
Benzene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Bromodichloromethane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Bromoform	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.056)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.025)	ND (0.0072)	ND (0.005)
Carbon tetrachloride	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Chlorobenzene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Chloroethane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001) UJ
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Chloromethane (Methyl Chloride)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.011)	0.0064	ND (0.001)	0.02	ND (0.001)	0.00046 J	ND (0.001)	ND (0.001)	0.14	0.067	0.0047	0.003
cis-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Cyclohexane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Dibromochloromethane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.056)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.025)	ND (0.0072)	ND (0.005)
Methyl acetate	ND (0.01)	ND (0.01)	ND (0.11)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.05)	ND (0.014)	ND (0.01)
Methyl cyclohexane	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Methyl Tert Butyl Ether	ND (0.005)	ND (0.005)	ND (0.056)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.025)	ND (0.0072)	ND (0.005)
Methylene chloride	ND (0.005) U	ND (0.005) U	ND (0.056)	0.00091 J	ND (0.005) U	ND (0.005)	0.0011 J	0.0021 J	ND (0.005) U	ND (0.005) U	ND (0.05)	ND (0.025)	0.0016 J	ND (0.005)
Styrene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	0.021	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.011)	0.00083 J	ND (0.001)	0.0021	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0055 J	0.0067	0.00068 J	ND (0.001)
trans-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	0.0025 J	0.028	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.018	0.18	0.047	0.00059 J
Trichlorofluoromethane (CFC-11)	ND (0.001)	ND (0.001)	ND (0.011) UJ	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)	ND (0.01) UJ	ND (0.005) UJ	ND (0.0014) UJ	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.005)	ND (0.0014)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.001)	ND (0.011)	0.0011	ND (0.001)	ND (0.001)	ND (0.001)	0.0026	ND (0.001)	ND (0.001)	0.27	0.013	ND (0.0014)	ND (0.001)
Xylene (total)	ND (0.003)	ND (0.003)	ND (0.033)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.03)	ND (0.015)	ND (0.0043)	ND (0.003)
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 31	AOI 31	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 39
Sample Location:	MW-304D	MW-304S	GMW-1	GMW-3	MW-33-3S	MW-33-4S	MW-33-5S	MW-33-6S	MW-33-7S	MW-33-7S	MW-33-8D	MW-33-8S	MW-33-9S	MW-BG-4D
Sample ID:	GW-022404-BW-1431	GW-022404-BW-1432	GW-022504-BW-1453	GW-022504-BW-1454	GW-022404-BW-1414	GW-022504-DR-1447	GW-022504-DR-1448	GW-022504-BW-1449	GW-022404-DR-1415	GW-022404-DR-1416	GW-022504-BW-1451	GW-022504-BW-1450	GW-022504-BW-1452	GW-021904-BW-1345
Sample Date:	2/24/2004	2/24/2004	2/25/2004	2/25/2004	2/24/2004	2/25/2004	2/25/2004	2/25/2004	2/24/2004	2/24/2004	2/25/2004	2/25/2004	2/25/2004	2/19/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
RFI - STAGE VI
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Secondary Area of Interest:	AOI 39	AOI 39	AOI 39	AOI 39	AOI 39	AOI 39	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01
Sample Location:	MW-BG-4S	MW-BG-5S	MW-BG-6S	MW-BG-8S	MW-BG-9S	MW-BG-9S	MW-A1-8D	MW-A1-8D	MW-A1-8S	HA-13	HA-14	HA-15	HA-16	HA-MW-11
Sample ID:	GW-022004-SP-1350	GW-022004-SP-1356	GW-022004-SP-1355	GW-022004-JD-1352	GW-022004-JD-1346	GW-022004-JD-1351	GW-022504-DR-1469	GW-022504-DR-1470	GW-022504-BW-1468	GW-022604-MM-1476	GW-022504-MM-1471	GW-022504-MM-1445	GW-022704-MM-1508	GW-022604-MM-1483
Sample Date:	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/25/2004	2/25/2004	2/25/2004	2/26/2004	2/25/2004	2/25/2004	2/25/2004	2/26/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	0.00039 J	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0049	0.0011	--	--	--
1,1,2,2-Tetrachloroethane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	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	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
1,1-Dichloroethane	0.0035	ND (0.001)	ND (0.001)	0.0065	0.00028 J	0.00026 J	ND (0.001)	ND (0.001)	ND (0.001)	0.0005 J	0.015	--	--	--
1,1-Dichloroethene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00027 J	ND (0.001)	--	--	--
1,2,4-Trichlorobenzene	ND (0.0084)	ND (0.005) UJ	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.0017)	ND (0.001) UJ	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
1,2-Dichlorobenzene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
1,2-Dichloroethane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
1,2-Dichloropropane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
1,3-Dichlorobenzene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
1,4-Dichlorobenzene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	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)	ND (0.042)	ND (0.025)	ND (0.025)	ND (0.12)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	--	--	--
2-Hexanone	ND (0.084)	ND (0.05)	ND (0.05)	ND (0.25)	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)	ND (0.084)	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	--	--	--
Acetone	0.0016 J	ND (0.025) UJ	ND (0.025)	ND (0.12)	ND (0.025)	ND (0.025)	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) U	--	--	--
Benzene	0.0009 J	ND (0.001)	ND (0.001)	0.0027 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Bromodichloromethane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Bromoform	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Bromomethane (Methyl Bromide)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Carbon disulfide	ND (0.0084)	ND (0.005)	ND (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)	--	--	--
Carbon tetrachloride	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Chlorobenzene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Chloroethane	ND (0.0017)	ND (0.001)	0.006	ND (0.005)	0.0027	0.0022	ND (0.001)	ND (0.001)	0.0019	ND (0.001)	0.00069 J	--	--	--
Chloroform (Trichloromethane)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Chloromethane (Methyl Chloride)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	--	--	--
cis-1,2-Dichloroethene	0.047	ND (0.001)	0.00042 J	0.15	ND (0.001)	ND (0.001)	0.00087 J	0.00087 J	0.00038 J	ND (0.001)	ND (0.001)	--	--	--
cis-1,3-Dichloropropene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Cyclohexane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Dibromochloromethane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Dichlorodifluoromethane (CFC-12)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)	--	--	--
Ethylbenzene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.007	ND (0.001)	ND (0.001)	--	--	--
Isopropylbenzene	ND (0.0084)	ND (0.005)	ND (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)	--	--	--
Methyl acetate	ND (0.017)	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--
Methyl cyclohexane	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	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	ND (0.0084)	ND (0.005)	ND (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)	--	--	--
Methylene chloride	ND (0.0084)	ND (0.005) U	ND (0.005)	ND (0.025)	ND (0.005)	ND (0.005)	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	--	--	--
Styrene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Tetrachloroethene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Toluene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
trans-1,2-Dichloroethene	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	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	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Trichloroethene	0.0074	ND (0.001)	ND (0.001)	0.0029 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00093 J	--	--	--
Trichlorofluoromethane (CFC-11)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Trifluorotrichloroethane (Freon 113)	ND (0.0017)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Vinyl chloride	0.0042	0.0086	0.032	0.0021 J	ND (0.001)	ND (0.001)	0.0015	0.0016	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--
Xylene (total)	ND (0.005)	ND (0.003)	ND (0.003)	ND (0.015)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	--	--	--
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	AOI 39	AOI 39	AOI 39	AOI 39	AOI 39	AOI 39	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01
Sample Location:	MW-BG-4S	MW-BG-5S	MW-BG-6S	MW-BG-8S	MW-BG-9S	MW-BG-9S	MW-A1-8D	MW-A1-8D	MW-A1-8S	HA-13	HA-14	HA-15	HA-16	HA-MW-11
Sample ID:	GW-022004-SP-1350	GW-022004-SP-1356	GW-022004-SP-1355	GW-022004-JD-1352	GW-022004-JD-1346	GW-022004-JD-1351	GW-022504-DR-1469	GW-022504-DR-1470	GW-022504-BW-1468	GW-022604-MM-1476	GW-022504-MM-1471	GW-022504-MM-1445	GW-022704-MM-1508	GW-022604-MM-1483
Sample Date:	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/25/2004	2/25/2004	2/25/2004	2/26/2004	2/25/2004	2/25/2004	2/27/2004	2/26/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	--	--	--	--	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.0098 J	ND (0.020)	--
Chromium Total	--	--	--	--	--	--	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.014	ND (0.050)	--
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	ND (0.02)	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02)	--
Lead	--	--	--	--	--	--	--	--	--	--	--	0.015	--	--
Nickel	--	--	--	--	--	--	6.1	6.1	0.012 J	ND (0.025) U	59.1	245	1820	1.9
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary 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	Area 01	Area 01
Sample Location:	HA-MW-12	MW-3	MW-4D	MW-4D	MW-5D	MW-5S	MW-15D	MW-15S	MW-16D	MW-16D	MW-16S	MW-21D	MW-21S	MW-24D
Sample ID:	GW-022604-MM-1482	GW-022504-MM-1439	GW-022504-MM-1466	GW-022504-MM-1467	GW-022604-CB-1474	GW-022604-CB-1473	GW-022704-JD-1522	GW-022704-JD-1523	GW-022704-SP-1524	GW-022704-SP-1526	GW-022704-SP-1527	GW-022704-CB-1519	GW-022704-CB-1518	GW-022604-JD-1501
Sample Date:	2/26/2004	2/25/2004	2/25/2004	2/25/2004	2/26/2004	2/26/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/26/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	--	--	0.0052	0.0052	--	--	--	--	--	--	--	0.00077 J	0.067	0.00023 J
1,1,2,2-Tetrachloroethane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,1,2-Trichloroethane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,1-Dichloroethane	--	--	0.0019	0.0019	--	--	--	--	--	--	--	ND (0.001)	0.0018 J	0.0083
1,1-Dichloroethene	--	--	0.00041 J	0.0003 J	--	--	--	--	--	--	--	ND (0.001)	0.0023 J	ND (0.001)
1,2,4-Trichlorobenzene	--	--	ND (0.005) UJ	ND (0.005) UJ	--	--	--	--	--	--	--	ND (0.005)	ND (0.012)	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	--	--	ND (0.001) UJ	ND (0.001) UJ	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,2-Dichlorobenzene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,2-Dichloroethane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,2-Dichloropropane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,3-Dichlorobenzene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
1,4-Dichlorobenzene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	--	--	ND (0.025)	ND (0.025)	--	--	--	--	--	--	--	0.0097 J	ND (0.062)	0.018 J
2-Hexanone	--	--	ND (0.05)	ND (0.05)	--	--	--	--	--	--	--	0.0031 J	ND (0.12)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	--	ND (0.05)	ND (0.05)	--	--	--	--	--	--	--	0.0007 J	ND (0.12)	0.014 J
Acetone	--	--	ND (0.025) U	ND (0.025) U	--	--	--	--	--	--	--	0.025	ND (0.062) U	0.056
Benzene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	0.00055 J
Bromodichloromethane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Bromoform	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Bromomethane (Methyl Bromide)	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Carbon disulfide	--	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	ND (0.005)	ND (0.012)	0.00035 J
Carbon tetrachloride	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Chlorobenzene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Chloroethane	--	--	0.00059 J	0.00066 J	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Chloroform (Trichloromethane)	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	0.00039 J	ND (0.0025)	ND (0.001)
Chloromethane (Methyl Chloride)	--	--	ND (0.001) UJ	ND (0.001) UJ	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
cis-1,2-Dichloroethene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
cis-1,3-Dichloropropene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Cyclohexane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Dibromochloromethane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Ethylbenzene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Isopropylbenzene	--	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	ND (0.005)	ND (0.012)	ND (0.005)
Methyl acetate	--	--	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	ND (0.01)	ND (0.025)	ND (0.01)
Methyl cyclohexane	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Methyl Tert Butyl Ether	--	--	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	ND (0.005)	ND (0.012)	ND (0.005)
Methylene chloride	--	--	ND (0.005) U	ND (0.005) U	--	--	--	--	--	--	--	0.0012 J	0.002 J	ND (0.005) U
Styrene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Tetrachloroethene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Toluene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
trans-1,2-Dichloroethene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
trans-1,3-Dichloropropene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Trichloroethene	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Trichlorofluoromethane (CFC-11)	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	ND (0.001)	ND (0.0025)	ND (0.001)
Vinyl chloride	--	--	ND (0.001)	ND (0.001)	--	--	--	--	--	--	--	0.011	ND (0.0025)	0.0015
Xylene (total)	--	--	ND (0.003)	ND (0.003)	--	--	--	--	--	--	--	ND (0.003)	ND (0.0075)	ND (0.003)
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1 ANALYTICAL RESULTS OF GROUNDWATER SAMPLES RFI - STAGE VI 13000 ECKLES ROAD SITE LIVONIA, MICHIGAN														
Secondary Area of Interest: Sample Location: Sample ID: Sample Date: Sampling Event:	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01	Area 01
	HA-MW-12	MW-3	MW-4D	MW-4D	MW-5D	MW-5S	MW-15D	MW-15S	MW-16D	MW-16D	MW-16S	MW-21D	MW-21S	MW-24D
	GW-022604-MM-1482	GW-022504-MM-1439	GW-022504-MM-1466	GW-022504-MM-1467	GW-022604-CB-1474	GW-022604-CB-1473	GW-022704-JD-1522	GW-022704-JD-1523	GW-022704-SP-1524	GW-022704-SP-1526	GW-022704-SP-1527	GW-022704-CB-1519	GW-022704-CB-1518	GW-022604-JD-1501
	2/26/2004	2/25/2004	2/25/2004	2/25/2004	2/26/2004	2/26/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/26/2004
	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI Duplicate	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.016 J	ND (0.020)	ND (0.020)	ND (0.020)	7.1	0.091	ND (0.020)
Chromium Total	--	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0057	0.016	0.0023 J	ND (0.0050)	0.0024 J	40.9	0.11	105
Chromium VI (Hexavalent) (Dissolved)	--	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	0.001 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	33.8	0.01 J	114
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	0.0066 J	0.033	2.6	2.5	ND (0.025)	ND (0.025) U	ND (0.025) U	ND (0.025) U	27.7	21.6	27.8	0.39	0.74	648
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1															Table B.1
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES															Page 17 of 28
RFI - STAGE VI															October 28, 2004
13000 ECKLES ROAD SITE															
LIVONIA, MICHIGAN															
Secondary 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	Area 01	Area 01	
Sample Location:	MW-27	MW-28	MW-A1-5D	MW-A1-5S	MW-A1-6S	MW-A1-11D	MW-A1-11S	MW-A1-13S	MW-A1-13S	MW-A1-14D	MW-A1-14S	MW-OS-1D	MW-OS-1S	MW-OS-2D	
Sample ID:	GW-022504-MM-1463	GW-022504-MM-1465	GW-022704-JD-1516	GW-022704-JD-1517	GW-022504-DR-1459	GW-022604-DR-1503	GW-022604-DR-1504	GW-022604-CB-1480	GW-022604-CB-1481	GW-022704-CB-1520	GW-022704-CB-1521	GW-022404-CB-1434	GW-022404-CB-1433	GW-022704-MM-1505	
Sample Date:	2/25/2004	2/25/2004	2/27/2004	2/27/2004	2/25/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/27/2004	2/27/2004	2/24/2004	2/24/2004	2/27/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	
Volatile Organic Compounds (mg/L)															
1,1,1-Trichloroethane	--	0.0018	ND (0.001)	ND (0.001)	0.0025	0.012	0.0049	0.016	0.017	ND (0.001)	ND (0.001)	--	--	--	
1,1,2,2-Tetrachloroethane	--	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	--	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	--	ND (0.001)	ND (0.001)	ND (0.001)	0.0061	0.013	0.0042	0.0032	0.0033	ND (0.001)	ND (0.001)	--	--	--	
1,1-Dichloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	0.00024 J	0.0013	0.00044 J	0.00039 J	0.00038 J	ND (0.001)	ND (0.001)	--	--	--	
1,2,4-Trichlorobenzene	--	ND (0.005) UJ	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)	--	--	--	
1,2-Dibromo-3-chloropropane (DBCP)	--	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--	
1,2-Dibromoethane (Ethylene Dibromide)	--	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	--	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	--	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	--	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	--	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	--	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)	--	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	0.0032 J	ND (0.025)	ND (0.025)	ND (0.025)	--	--	--	
2-Hexanone	--	ND (0.05)	ND (0.05)	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)	--	ND (0.05)	ND (0.05)	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	--	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) U	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	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00044 J	0.00048 J	ND (0.001)	ND (0.001)	--	--	--	
Bromodichloromethane	--	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	--	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)	--	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	--	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	--	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	--	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	--	ND (0.001)	ND (0.001)	ND (0.001)	0.0054	ND (0.001)	ND (0.001)	0.00049 J	0.0006 J	ND (0.001)	ND (0.001)	--	--	--	
Chloroform (Trichloromethane)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0098	0.0099	ND (0.001)	ND (0.001)	--	--	--	
Chloromethane (Methyl Chloride)	--	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--	
cis-1,2-Dichloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00082 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--	
cis-1,3-Dichloropropene	--	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	--	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	--	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)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	--	--	--	
Ethylbenzene	--	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	--	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	--	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	--	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	--	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	--	ND (0.005) U	0.0015 J	0.0023 J	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	0.0035 J	0.0031 J	--	--	
Styrene	--	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	--	ND (0.001)	ND (0.001)	ND (0.001)	0.00013 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--	
Toluene	--	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-1,2-Dichloroethene	--	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	--	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	--	ND (0.001)	ND (0.001)	ND (0.001)	0.00042 J	0.0072	0.0008 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	--	--	--	
Trichlorofluoromethane (CFC-11)	--	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)	--	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	--	ND (0.001)	ND (0.001)	0.0005 J	0.02	0.0023	ND (0.001)	0.0011	0.0011	0.0027	ND (0.001)	--	--	--	
Xylene (total)	--	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)	--	--	--	
Semi-volatile Organic Compounds (mg/L)															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary 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	Area 01	Area 01
Sample Location:	MW-27	MW-28	MW-A1-5D	MW-A1-5S	MW-A1-6S	MW-A1-11D	MW-A1-11S	MW-A1-13S	MW-A1-13S	MW-A1-14D	MW-A1-14S	MW-OS-1D	MW-OS-1S	MW-OS-2D
Sample ID:	GW-022504-MM-1463	GW-022504-MM-1465	GW-022704-JD-1516	GW-022704-JD-1517	GW-022504-DR-1459	GW-022604-DR-1503	GW-022604-DR-1504	GW-022604-CB-1480	GW-022604-CB-1481	GW-022704-CB-1520	GW-022704-CB-1521	GW-022404-CB-1434	GW-022404-CB-1433	GW-022704-MM-1505
Sample Date:	2/25/2004	2/25/2004	2/27/2004	2/27/2004	2/25/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/27/2004	2/27/2004	2/24/2004	2/27/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
	Duplicate													
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.013 J	ND (0.020)	--	--	--
Chromium Total	ND (0.0050)	ND (0.0050)	0.85	0.63	ND (0.0050)	ND (0.0050) U	ND (0.0050)	85.8	83.7	0.017	ND (0.0050)	--	--	--
Chromium VI (Hexavalent) (Dissolved)	ND (0.02) U	ND (0.02) U	0.97	0.68	ND (0.02) U	ND (0.02) U	ND (0.02) U	90.9	86.9	0.004 J	ND (0.02)	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	223	0.0095 J	0.025	0.014 J	0.0051 J	71.8	0.059	44.4	44.4	ND (0.025)	ND (0.025) U	ND (0.025)	ND (0.025)	ND (0.025) U
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary 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	Area 01	Area 01
Sample Location:	MW-OS-2S	MW-OS-3D	MW-OS-4D	MW-OS-4S	MW-OS-5D	MW-OS-6D	MW-OS-7D	MW-OS-8D	MW-OS-9D	MW-OS-9S	MW-OS-10D	MW-OS-10D	MW-S-8S	MW-S-10S
Sample ID:	GW-022704-MM-1509	GW-022604-MM-1484	GW-022604-JD-1496	GW-022604-JD-1497	GW-022604-CB-1499	GW-040504-MM-1568	GW-022604-DR-1500	GW-022604-CB-1498	GW-022704-MM-1507	GW-022704-MM-1510	GW-022704-MM-1506	GW-022704-MM-1511	GW-022504-MM-1442	GW-022504-CB-1436
Sample Date:	2/27/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	4/5/2004	2/26/2004	2/26/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/25/2004	2/25/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)	Duplicate													
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	0.003
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)
1,2-Dibromo-3-chloropropane (DBCP)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.025)
2-Hexanone	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.05)
Acetone	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0036 J
Benzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Bromodichloromethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Bromoform	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Bromomethane (Methyl Bromide)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Carbon disulfide	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Carbon tetrachloride	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Chlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Chloroform (Trichloromethane)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Chloromethane (Methyl Chloride)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Dibromochloromethane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Dichlorodifluoromethane (CFC-12)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.01)
Methyl cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Methyl Tert Butyl Ether	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.005)
Methylene chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0034 J
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Tetrachloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Trichloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Trichlorofluoromethane (CFC-11)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Trifluorotrichloroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Vinyl chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.001)
Xylene (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.003)
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary 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	Area 01	Area 01
Sample Location:	MW-OS-2S	MW-OS-3D	MW-OS-4D	MW-OS-4S	MW-OS-5D	MW-OS-6D	MW-OS-7D	MW-OS-8D	MW-OS-9D	MW-OS-9S	MW-OS-10D	MW-OS-10D	MW-S-8S	MW-S-10S
Sample ID:	GW-022704-MM-1509	GW-022604-MM-1484	GW-022604-JD-1496	GW-022604-JD-1497	GW-022604-CB-1499	GW-040504-MM-1568	GW-022604-DR-1500	GW-022604-CB-1498	GW-022704-MM-1507	GW-022704-MM-1510	GW-022704-MM-1506	GW-022704-MM-1511	GW-022504-MM-1442	GW-022504-CB-1436
Sample Date:	2/27/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	4/5/2004	2/26/2004	2/26/2004	2/27/2004	2/27/2004	2/27/2004	2/27/2004	2/25/2004	2/25/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
												Duplicate		
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.020)	ND (0.020)
Chromium Total	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.0050)	0.0085
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.02) U	ND (0.02) U
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	ND (0.025) U	61.9	ND (0.025) U	0.0069 J	ND (0.025) U	0.022 J	0.0064 J	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025)	ND (0.025)	ND (0.025) U	0.018 J
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary 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	Area 01	Area 01
Sample Location:	OW-21	OW-22	OW-23	OW-24	OW-30	OW-31	MW-A1-15D	MW-A1-15S	MW-S-1S	MW-S-2S	MW-S-3S	MW-S-7S	MW-S-8D	MW-S-9S
Sample ID:	GW-022604-CB-1477	GW-022604-CB-1478	GW-022604-CB-1479	GW-022604-JD-1502	GW-022504-CB-1440	GW-022504-MM-1438	GW-022704-JD-1514	GW-022704-JD-1515	GW-022604-MM-1475	GW-022504-MM-1464	GW-022504-MM-1444	GW-022504-MM-1446	GW-022504-MM-1443	GW-022504-CB-1441
Sample Date:	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/25/2004	2/25/2004	2/27/2004	2/27/2004	2/26/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	0.0012 J	0.0015 J	--	--	ND (0.001)	0.0012	0.015	0.0049	--	--	--	--
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,1-Dichloroethane	ND (0.001)	0.00034 J	ND (0.005)	0.00092 J	--	--	ND (0.001)	0.003	ND (0.001)	0.064	--	--	--	--
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	0.0011	ND (0.0025)	--	--	--	--
1,2,4-Trichlorobenzene	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.01)	--	--	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.012) UJ	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0025) UJ	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,2-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,2-Dichloropropane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,3-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
1,4-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.12)	0.0083 J	--	--	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.062)	--	--	--	--
2-Hexanone	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.1)	--	--	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.12)	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.05)	ND (0.05)	ND (0.25)	0.0011 J	--	--	ND (0.05)	0.0011 J	ND (0.05)	ND (0.12)	--	--	--	--
Acetone	ND (0.025) UJ	ND (0.025) UJ	0.021 J	0.046 J	--	--	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.062) U	--	--	--	--
Benzene	ND (0.001)	ND (0.001)	ND (0.005)	0.0014 J	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Bromodichloromethane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Bromoform	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.01)	--	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.012)	--	--	--	--
Carbon tetrachloride	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Chlorobenzene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Chloroethane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	0.047	--	--	--	--
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)	0.0029 J	0.031	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Chloromethane (Methyl Chloride)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0025) UJ	--	--	--	--
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
cis-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Cyclohexane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Dibromochloromethane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Dichlorodifluoromethane (CFC-12)	ND (0.001) UJ	ND (0.001) UJ	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0025)	--	--	--	--
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.01)	--	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.012)	--	--	--	--
Methyl acetate	ND (0.01)	ND (0.01)	ND (0.05)	ND (0.02)	--	--	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.025)	--	--	--	--
Methyl cyclohexane	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Methyl Tert Butyl Ether	ND (0.005)	ND (0.005)	ND (0.025)	ND (0.01)	--	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.012)	--	--	--	--
Methylene chloride	ND (0.005) U	ND (0.005) U	ND (0.025)	ND (0.01) U	--	--	0.003 J	0.0029 J	ND (0.005) U	ND (0.012) U	--	--	--	--
Styrene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Toluene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
trans-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	0.00081 J	--	--	--	--
Trichlorofluoromethane (CFC-11)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.002)	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Vinyl chloride	ND (0.001)	0.00064 J	0.0033 J	0.00081 J	--	--	0.0037	ND (0.001)	ND (0.001)	ND (0.0025)	--	--	--	--
Xylene (total)	ND (0.003)	ND (0.003)	ND (0.015)	ND (0.006)	--	--	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.0075)	--	--	--	--
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary 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	Area 01	Area 01
Sample Location:	OW-21	OW-22	OW-23	OW-24	OW-30	OW-31	MW-A1-15D	MW-A1-15S	MW-S-1S	MW-S-2S	MW-S-3S	MW-S-7S	MW-S-8D	MW-S-9S
Sample ID:	GW-022604-CB-1477	GW-022604-CB-1478	GW-022604-CB-1479	GW-022604-JD-1502	GW-022504-CB-1440	GW-022504-MM-1438	GW-022704-JD-1514	GW-022704-JD-1515	GW-022604-MM-1475	GW-022504-MM-1464	GW-022504-MM-1444	GW-022504-MM-1446	GW-022504-MM-1443	GW-022504-CB-1441
Sample Date:	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/25/2004	2/25/2004	2/27/2004	2/27/2004	2/26/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	ND (0.020)	ND (0.020)	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Chromium Total	ND (0.0050)	163	--	623	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0051) U	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Chromium VI (Hexavalent) (Dissolved)	ND (0.02) U	169	--	633	ND (0.02)	ND (0.02) U	0.004 J	0.01 J	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	ND (0.025)	0.25	--	52.0	83.1	0.029	0.015 J	0.021 J	0.023 J	0.0055 J	7.3	18.9	38.6	0.16
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ANALYTICAL RESULTS OF GROUNDWATER SAMPLES

RFI - STAGE VI
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Secondary Area of Interest:	Area 01	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 22	Area 01/AOI 33	Area 01/AOI 33	Area 01/AOI 33	Area 01/AOI 33
Sample Location:	MW-S-10D	MW-21-1S	MW-21-2S	MW-21-3S	MW-A1-9D	MW-A1-9S	MW-A1-10D	MW-A1-10S	MW-22-2D	MW-A1/33-1D	MW-A1/33-1S	MW-A1/33-2D	MW-A1/33-7S	MW-A1/33-8D
Sample ID:	GW-022504-CB-1437	GW-022604-DR-1488	GW-022604-DR-1489	GW-022604-JD-1490	GW-022604-DR-1491	GW-022604-DR-1492	GW-022604-JD-1486	GW-022604-DR-1487	GW-022704-JD-1513	GW-022504-DR-1456	GW-022504-DR-1455	GW-022504-DR-1457	GW-022504-DR-1458	GW-022504-DR-1461
Sample Date:	2/25/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/27/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0057	0.038	0.00029 J	0.038	--	ND (0.001)	0.00045 J	0.00063 J	0.0014	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
1,1-Dichloroethane	0.0011	0.007	ND (0.001)	ND (0.001)	0.0024	0.013	0.0035	0.0039	--	0.00074 J	0.0015	0.016	0.0033	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	0.00092 J	0.003	--	0.00039 J	0.00098 J	ND (0.0014)	ND (0.0014)	ND (0.001)
1,2,4-Trichlorobenzene	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005)	0.00049 J	ND (0.005) UJ	ND (0.005) UJ	--	ND (0.005)	ND (0.005)	ND (0.0072)	ND (0.0072)	ND (0.005) UJ
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.002)	ND (0.001) UJ	ND (0.001) UJ	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001) UJ
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
1,2-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	0.00026 J	ND (0.001)	0.0003 J	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	0.00057 J	0.001 J	ND (0.001)
1,2-Dichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
1,3-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
1,4-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.05)	ND (0.025)	ND (0.025)	--	ND (0.025)	ND (0.025)	ND (0.036)	ND (0.036)	ND (0.025)
2-Hexanone	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.05)	--	ND (0.05)	ND (0.05)	ND (0.072)	ND (0.072)	ND (0.05)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.1)	ND (0.05)	ND (0.05)	--	ND (0.05)	ND (0.05)	ND (0.072)	ND (0.072)	ND (0.05)
Acetone	0.0012 J	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) UJ	0.0037 J	ND (0.025) U	ND (0.025) U	--	0.0012 J	0.0046 J	0.002 J	0.002 J	ND (0.025) U
Benzene	ND (0.001)	0.00026 J	ND (0.001)	0.0006 J	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Bromodichloromethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Bromoform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.0072)	ND (0.0072)	ND (0.005)
Carbon tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Chlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Chloroethane	ND (0.001)	0.012	ND (0.001)	0.018	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	0.051	ND (0.0014)	0.0079
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Chloromethane (Methyl Chloride)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001)	ND (0.002)	ND (0.001) UJ	ND (0.001) UJ	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001) UJ
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	0.00076 J	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	0.00044 J	0.00026 J	0.001 J	ND (0.0014)	0.0005 J
cis-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Cyclohexane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Dibromochloromethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.001) UJ	ND (0.001) UJ	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Ethylbenzene	ND (0.001)	0.00023 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.0072)	ND (0.0072)	ND (0.005)
Methyl acetate	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.01)	--	ND (0.01)	ND (0.01)	ND (0.014)	ND (0.014)	ND (0.01)
Methyl cyclohexane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0023	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Methyl Tert Butyl Ether	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.005)	--	ND (0.005)	ND (0.005)	ND (0.0072)	ND (0.0072)	ND (0.005)
Methylene chloride	0.0011 J	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.01)	ND (0.005) U	ND (0.005) U	--	0.0019 J	0.0046 J	0.001 J	ND (0.0072)	ND (0.005) U
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00058 J	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
trans-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00065 J	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Trichlorofluoromethane (CFC-11)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001) UJ	ND (0.001) UJ	ND (0.0014) UJ	ND (0.0014) UJ	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.0014)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.001)	ND (0.001)	0.00052 J	0.018	0.039	ND (0.001)	ND (0.001)	--	0.014	0.0014	0.046	0.053	ND (0.001)
Xylene (total)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.006)	ND (0.003)	ND (0.003)	--	ND (0.003)	ND (0.003)	ND (0.0043)	ND (0.0043)	ND (0.003)
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	Area 01	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 21	Area 01/AOI 22	Area 01/AOI 33	Area 01/AOI 33	Area 01/AOI 33	Area 01/AOI 33	Area 01/AOI 33
Sample Location:	MW-S-10D	MW-21-1S	MW-21-2S	MW-21-3S	MW-A1-9D	MW-A1-9S	MW-A1-10D	MW-A1-10S	MW-22-2D	MW-A1/33-1D	MW-A1/33-1S	MW-A1/33-2D	MW-A1/33-7S	MW-A1/33-8D
Sample ID:	GW-022504-CB-1437	GW-022604-DR-1488	GW-022604-DR-1489	GW-022604-JD-1490	GW-022604-DR-1491	GW-022604-DR-1492	GW-022604-JD-1486	GW-022604-DR-1487	GW-022704-JD-1513	GW-022504-DR-1456	GW-022504-DR-1455	GW-022504-DR-1457	GW-022504-DR-1458	GW-022504-DR-1461
Sample Date:	2/25/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/26/2004	2/27/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004	2/25/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Anthracene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Atrazine	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	ND (0.005) U	ND (0.005) U	ND (0.005) U	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	--	--	--
Carbazole	--	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	--	--	--
Chrysene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Fluorene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
Isophorone	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	ND (0.01)	ND (0.01)	ND (0.01)	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	ND (0.004)	ND (0.004)	ND (0.004)	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	ND (0.02)	ND (0.02)	ND (0.02)	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	ND (0.005)	0.0011 J	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Phenol	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Pyrene	--	ND (0.005)	ND (0.005)	ND (0.005)	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	ND (0.020)	--	--	--	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	--	--	--	--	ND (0.020)
Chromium Total	ND (0.0050)	--	--	--	ND (0.0050) U	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	--	--	--	--	ND (0.0050)
Chromium VI (Hexavalent) (Dissolved)	ND (0.02) U	--	--	--	ND (0.02) U	ND (0.02) U	ND (0.02) U	ND (0.02) U	0.003 J	--	--	--	--	ND (0.02) U
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	0.013 J	--	--	--	0.0089 J	0.015 J	0.0098 J	0.013 J	317	--	--	--	--	ND (0.025) U
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1														
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES														
RFI - STAGE VI														
13000 ECKLES ROAD SITE														
LIVONIA, MICHIGAN														
Secondary Area of Interest:	Area 01/AOI 33	Area 02	Area 02	General	General	General	General	General	General	General	General	General	General	General
Sample Location:	MW-A1/33-8S	MW-A2-2S	MW-A2-4S	MW-18D	MW-18S	MW-E-3D	MW-E-3S	MW-E-4D	MW-E-4S	MW-G-1D	MW-G-1S	MW-G-2D	MW-G-2S	MW-G-6D
Sample ID:	GW-022504-DR-1462	GW-022404-DR-1412	GW-022404-DR-1411	GW-022004-BW-1362	GW-022004-BW-1361	GW-022304-DR-1368	GW-022304-DR-1369	GW-022304-BW-1367	GW-022304-BW-1366	GW-022304-BW-1371	GW-022304-BW-1370	GW-022304-DR-1372	GW-022304-DR-1373	GW-022304-BW-1375
Sample Date:	2/25/2004	2/24/2004	2/24/2004	2/20/2004	2/20/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)														
1,1,1-Trichloroethane	0.00021 J	0.033	0.012	ND (0.001)	0.001	ND (0.001)	0.083	0.0017	0.0076	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,1-Dichloroethane	0.0011	0.0038	0.0022	ND (0.001)	ND (0.001)	ND (0.001)	0.015	0.0003 J	0.0008 J	--	--	--	--	--
1,1-Dichloroethene	ND (0.001)	0.0026	0.0013	ND (0.001)	ND (0.001)	ND (0.001)	0.0075	ND (0.001)	ND (0.001)	--	--	--	--	--
1,2,4-Trichlorobenzene	ND (0.005) UJ	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.017) UJ	ND (0.005)	ND (0.005)	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.0033) UJ	ND (0.001)	ND (0.001)	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,2-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,2-Dichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,3-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
1,4-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	ND (0.025) U	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025) U	ND (0.083)	ND (0.025)	ND (0.025)	--	--	--	--	--
2-Hexanone	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.17)	ND (0.05)	ND (0.05)	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	0.0005 J	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.17)	ND (0.05)	ND (0.05)	--	--	--	--	--
Acetone	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.083) UJ	ND (0.025)	ND (0.025)	--	--	--	--	--
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Bromodichloromethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Bromoform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)	--	--	--	--	--
Carbon tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.001 J	ND (0.001)	ND (0.001)	--	--	--	--	--
Chlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Chloroethane	0.00044 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.00042 J	0.0015 J	ND (0.001)	ND (0.001)	--	--	--	--	--
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Chloromethane (Methyl Chloride)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0012 J	ND (0.001)	ND (0.001)	--	--	--	--	--
cis-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Cyclohexane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Dibromochloromethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.0033) UJ	ND (0.001)	ND (0.001)	--	--	--	--	--
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.017)	ND (0.005)	ND (0.005)	--	--	--	--	--
Methyl acetate	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.033)	ND (0.01)	ND (0.01)	--	--	--	--	--
Methyl cyclohexane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Methyl Tert Butyl Ether	ND (0.005)	ND (0.005)	0.00025 J	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.017) UJ	ND (0.005)	ND (0.005)	--	--	--	--	--
Methylene chloride	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005)	ND (0.017) UJ	ND (0.005)	ND (0.005)	--	--	--	--	--
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
trans-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001) UJ	ND (0.001) UJ	--	--	--	--	--
Vinyl chloride	ND (0.001)	0.015	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0033)	ND (0.001)	ND (0.001)	--	--	--	--	--
Xylene (total)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.01)	ND (0.003)	ND (0.003)	--	--	--	--	--
Semi-volatile Organic Compounds (mg/L)														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1 ANALYTICAL RESULTS OF GROUNDWATER SAMPLES RFI - STAGE VI 13000 ECKLES ROAD SITE LIVONIA, MICHIGAN														
Secondary Area of Interest: Sample Location: Sample ID: Sample Date: Sampling Event:	Area 01/AOI 33	Area 02	Area 02	General	General	General	General	General	General	General	General	General	General	General
	MW-A1/33-8S	MW-A2-2S	MW-A2-4S	MW-18D	MW-18S	MW-E-3D	MW-E-3S	MW-E-4D	MW-E-4S	MW-G-1D	MW-G-1S	MW-G-2D	MW-G-2S	MW-G-6D
	GW-022504-DR-1462	GW-022404-DR-1412	GW-022404-DR-1411	GW-022004-BW-1362	GW-022004-BW-1361	GW-022304-DR-1368	GW-022304-DR-1369	GW-022304-BW-1367	GW-022304-BW-1366	GW-022304-BW-1371	GW-022304-BW-1370	GW-022304-DR-1372	GW-022304-DR-1373	GW-022304-BW-1375
	2/25/2004	2/24/2004	2/24/2004	2/20/2004	2/20/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004	2/23/2004
	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol (Cresol)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)														
Chromium III (Trivalent)	ND (0.020)	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	ND (0.0050)	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium VI (Hexavalent) (Dissolved)	ND (0.02) U	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	ND (0.025) U	--	--	--	--	ND (0.025) U	ND (0.025)	ND (0.025) U	ND (0.025) U	0.028	ND (0.025) U	ND (0.025) U	ND (0.025) U	ND (0.025) U
Polychlorinated Biphenyls (mg/L)														
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE B.1
ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
RFI - STAGE VI
13000 ECKLES ROAD SITE
LIVONIA, MICHIGAN

Secondary Area of Interest:	General	General	General	General	General	General	General
Sample Location:	MW-G-6S	MW-S-4D	MW-S-4S	MW-S-5D	MW-S-5S	MW-S-11D	MW-S-11S
Sample ID:	GW-022304-BW-1374	GW-022004-SP-1354	GW-022004-SP-1353	GW-022004-SP-1357	GW-022004-SP-1358	GW-022004-BW-1360	GW-022004-BW-1359
Sample Date:	2/23/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI
Volatile Organic Compounds (mg/L)							
1,1,1-Trichloroethane	--	ND (0.001)	0.00037 J	ND (0.001)	0.00036 J	ND (0.001)	ND (0.001)
1,1,2,2-Tetrachloroethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	--	ND (0.005)	ND (0.005)	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ	ND (0.005) UJ
1,2-Dibromo-3-chloropropane (DBCP)	--	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ	ND (0.001) UJ
1,2-Dibromoethane (Ethylene Dibromide)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloropropane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	--	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Hexanone	--	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)	--	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Acetone	--	ND (0.025)	ND (0.025)	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ	ND (0.025) UJ
Benzene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromodichloromethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromoform	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon tetrachloride	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chlorobenzene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,3-Dichloropropene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cyclohexane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromochloromethane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methyl acetate	--	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methyl cyclohexane	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methyl Tert Butyl Ether	--	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Methylene chloride	--	ND (0.005)	ND (0.005)	ND (0.005) U	ND (0.005) U	ND (0.005) U	ND (0.005) U
Styrene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,3-Dichloropropene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichlorofluoromethane (CFC-11)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl chloride	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	--	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)
Semi-volatile Organic Compounds (mg/L)							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
4-Chloroaniline	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--

	TABLE B.1							Table B.1
	ANALYTICAL RESULTS OF GROUNDWATER SAMPLES							Page 28 of 28
	RFI - STAGE VI							October 28, 2004
	13000 ECKLES ROAD SITE							
	LIVONIA, MICHIGAN							
Secondary Area of Interest:	General	General	General	General	General	General	General	
Sample Location:	MW-G-6S	MW-S-4D	MW-S-4S	MW-S-5D	MW-S-5S	MW-S-11D	MW-S-11S	
Sample ID:	GW-022304-BW-1374	GW-022004-SP-1354	GW-022004-SP-1353	GW-022004-SP-1357	GW-022004-SP-1358	GW-022004-BW-1360	GW-022004-BW-1359	
Sample Date:	2/23/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	2/20/2004	
Sampling Event:	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	RFI-Stage VI	
4-Nitrophenol	--	--	--	--	--	--	--	
Acenaphthene	--	--	--	--	--	--	--	
Acenaphthylene	--	--	--	--	--	--	--	
Acetophenone	--	--	--	--	--	--	--	
Anthracene	--	--	--	--	--	--	--	
Atrazine	--	--	--	--	--	--	--	
Benzaldehyde	--	--	--	--	--	--	--	
Benzo(a)anthracene	--	--	--	--	--	--	--	
Benzo(a)pyrene	--	--	--	--	--	--	--	
Benzo(b)fluoranthene	--	--	--	--	--	--	--	
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	
Benzo(k)fluoranthene	--	--	--	--	--	--	--	
Biphenyl	--	--	--	--	--	--	--	
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	
Butyl benzylphthalate	--	--	--	--	--	--	--	
Caprolactam	--	--	--	--	--	--	--	
Carbazole	--	--	--	--	--	--	--	
Chrysene	--	--	--	--	--	--	--	
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	
Dibenzofuran	--	--	--	--	--	--	--	
Diethyl phthalate	--	--	--	--	--	--	--	
Dimethyl phthalate	--	--	--	--	--	--	--	
Di-n-butylphthalate	--	--	--	--	--	--	--	
Di-n-octyl phthalate	--	--	--	--	--	--	--	
Fluoranthene	--	--	--	--	--	--	--	
Fluorene	--	--	--	--	--	--	--	
Hexachlorobenzene	--	--	--	--	--	--	--	
Hexachlorobutadiene	--	--	--	--	--	--	--	
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	
Hexachloroethane	--	--	--	--	--	--	--	
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	
Isophorone	--	--	--	--	--	--	--	
Methylphenol (Cresol)	--	--	--	--	--	--	--	
Naphthalene	--	--	--	--	--	--	--	
Nitrobenzene	--	--	--	--	--	--	--	
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	
Pentachlorophenol	--	--	--	--	--	--	--	
Phenanthrene	--	--	--	--	--	--	--	
Phenol	--	--	--	--	--	--	--	
Pyrene	--	--	--	--	--	--	--	
Metals (mg/L)								
Chromium III (Trivalent)	--	--	--	--	--	--	--	
Chromium Total	--	--	--	--	--	--	--	
Chromium VI (Hexavalent) (Dissolved)	--	--	--	--	--	--	--	
Lead	--	--	--	--	--	--	--	
Nickel	ND (0.025)	--	--	--	--	--	--	
Polychlorinated Biphenyls (mg/L)								
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	

Appendix C

Summary of Upgradient Groundwater Data

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	GMW-1	GMW-3	MPI-1	MPI-2	MPI-3	MPI-4	MPI-5	MPI-6	MPI-7
Sample ID:	PIC-GMW-1	PIC-GMW-3	PIC-MPI-1	PIC-MPI-2	PIC-MPI-3	PIC-MPI-4	PIC-MPI-5	PIC-MPI-6	PIC-MPI-7
Sample Date:	1/24/2003	1/24/2003	1/20/2003	1/20/2003	1/20/2003	1/20/2003	1/21/2003	1/20/2003	1/24/2003
Sampling Event:	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003
Matrix:	WG	WG	WG	WG	WG	WG	WG	WG	WG
Volatile Organic Compounds (mg/L)									
1,1,1,2-Tetrachloroethane	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)
1,1,1-Trichloroethane	0.34	0.0085	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	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	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	0.018	0.0053	0.0098	0.0011	ND (0.001)	0.002	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.011	0.0018	ND (0.001)	ND (0.001)	0.0017	0.0053	ND (0.001)	0.0013	ND (0.001)
1,2,3-Trichlorobenzene	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)
1,2,3-Trichloropropane	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)
1,2,4-Trichlorobenzene	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)
1,2,4-Trimethylbenzene	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-Dibromo-3-chloropropane (DBCP)	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-Dibromoethane (Ethylene Dibromide)	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	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	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	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)
1,3,5-Trimethylbenzene	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	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	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)	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)
2-Hexanone	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Methylnaphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X
2-Phenylbutane (sec-Butylbenzene)	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)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	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)
Acetone	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)
Acrylonitrile	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)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0024	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromobenzene	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	ND (0.001)	ND (0.001)	0.007	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromoform	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)	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 disulfide	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 tetrachloride	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	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)
Chlorobromomethane	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	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.018	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	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)
Chloromethane (Methyl Chloride)	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)
cis-1,2-Dichloroethene	ND (0.001)	0.0072 J	0.48	0.24	0.74	0.17	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,3-Dichloropropene	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)
Cymene (p-Isopropyltoluene)	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	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)
Dibromomethane	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)	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)
Ethyl Ether	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)
Ethylbenzene	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)
Hexachloroethane	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)
Iodomethane	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	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)
m&p-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methyl Tert Butyl Ether	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)
Methylene chloride	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)
Naphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
<i>Area of Interest:</i>	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
<i>Sample Location:</i>	GMW-1	GMW-3	MPI-1	MPI-2	MPI-3	MPI-4	MPI-5	MPI-6	MPI-7
<i>Sample ID:</i>	PIC-GMW-1	PIC-GMW-3	PIC-MPI-1	PIC-MPI-2	PIC-MPI-3	PIC-MPI-4	PIC-MPI-5	PIC-MPI-6	PIC-MPI-7
n-Butylbenzene	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)
n-Propylbenzene	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)
o-Xylene	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)
Styrene	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)
tert-Butylbenzene	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	0.021	ND (0.001)	0.88	ND (0.001)	0.0038 J	0.15	ND (0.001)	1.4	ND (0.001)
Tetrahydrofuran	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)
Toluene	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-1,2-Dichloroethene	ND (0.001)	ND (0.001)	0.0097	0.02	0.011	0.026	ND (0.001)	0.0022	ND (0.001)
trans-1,3-Dichloropropene	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-1,4-Dichloro-2-butene	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)
Trichloroethene	0.0033	0.022	0.66	ND (0.001)	0.0014 J	0.034	ND (0.001)	0.85	ND (0.001)
Trichlorofluoromethane (CFC-11)	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	ND (0.001)	ND (0.001)	0.17	0.4	0.78	0.075	0.0025	0.011	ND (0.001)
<i>Semi Volatile Organic Compounds (mg/L)</i>									
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--
2-Methylphenol	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--
Azobenzene	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
<i>Area of Interest:</i>	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
<i>Sample Location:</i>	GMW-1	GMW-3	MPI-1	MPI-2	MPI-3	MPI-4	MPI-5	MPI-6	MPI-7
<i>Sample ID:</i>	PIC-GMW-1	PIC-GMW-3	PIC-MPI-1	PIC-MPI-2	PIC-MPI-3	PIC-MPI-4	PIC-MPI-5	PIC-MPI-6	PIC-MPI-7
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--
<i>Metals (mg/L)</i>									
Arsenic	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0018	ND (0.001)
Barium	--	--	0.18	0.27	0.21	0.15	0.25	0.12	0.19
Cadmium	--	--	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Chromium Total	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0015	ND (0.001)
Copper	--	--	0.0014	0.0013	0.0015	0.0012	0.0013	0.0018	ND (0.001)
Lead	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.002	ND (0.001)
Mercury	--	--	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Selenium	--	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Silver	--	--	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Zinc	--	--	2.7 DL	2.8 DL	6.7 DL	3.4 DL	1.8 DL	0.11	2.1 DL
<i>Polychlorinated Biphenyls (mg/L)</i>									
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	MPI-8	MPI-9	MPI-10	MPI-11	MPI-12	MPI-13	MPI-14	MPI-15	MPI-16
Sample ID:	PIC-MPI-8	PIC-MPI-9	PIC-MPI-10	PIC-MPI-11	PIC-MPI-12	PIC-MPI-13	PIC-MPI-14	PIC-MPI-15	PIC-MPI-16
Sample Date:	1/24/2003	1/21/2003	1/21/2003	1/23/2003	1/22/2003	1/22/2003	1/22/2003	1/22/2003	1/22/2003
Sampling Event:	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003
Matrix:	WG	WG	WG	WG	WG	WG	WG	WG	WG
Volatile Organic Compounds (mg/L)									
1,1,1,2-Tetrachloroethane	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)
1,1,1-Trichloroethane	0.069	ND (0.001)	ND (0.001)	0.2	ND (0.001)	0.0089	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2,2-Tetrachloroethane	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	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	0.02	0.0027	0.0079	0.029	ND (0.001)	0.0075	ND (0.001)	0.0021	ND (0.001)
1,1-Dichloroethene	0.034	ND (0.001)	ND (0.001)	0.015	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichlorobenzene	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)
1,2,3-Trichloropropane	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)
1,2,4-Trichlorobenzene	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)
1,2,4-Trimethylbenzene	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-Dibromo-3-chloropropane (DBCP)	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-Dibromoethane (Ethylene Dibromide)	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	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	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	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)
1,3,5-Trimethylbenzene	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	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	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)	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)
2-Hexanone	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)
2-Methylnaphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X
2-Phenylbutane (sec-Butylbenzene)	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)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	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)
Acetone	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)
Acrylonitrile	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)
Benzene	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)
Bromobenzene	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	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	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)	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 disulfide	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 tetrachloride	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	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)
Chlorobromomethane	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	0.018	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	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)
Chloromethane (Methyl Chloride)	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)
cis-1,2-Dichloroethene	0.087	0.016	ND (0.001)	0.0082	ND (0.001)	0.0032	ND (0.001)	ND (0.001)	0.0014
cis-1,3-Dichloropropene	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)
Cymene (p-Isopropyltoluene)	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	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)
Dibromomethane	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)	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)
Ethyl Ether	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)
Ethylbenzene	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)
Hexachloroethane	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)
Iodomethane	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	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)
m&p-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methyl Tert Butyl Ether	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)
Methylene chloride	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)
Naphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	MPI-8	MPI-9	MPI-10	MPI-11	MPI-12	MPI-13	MPI-14	MPI-15	MPI-16
Sample ID:	PIC-MPI-8	PIC-MPI-9	PIC-MPI-10	PIC-MPI-11	PIC-MPI-12	PIC-MPI-13	PIC-MPI-14	PIC-MPI-15	PIC-MPI-16
n-Butylbenzene	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)
n-Propylbenzene	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)
o-Xylene	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)
Styrene	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)
tert-Butylbenzene	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	ND (0.001)	ND (0.001)	ND (0.001)	0.0015	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrahydrofuran	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)
Toluene	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-1,2-Dichloroethene	0.01	0.0013	ND (0.001)	0.0013	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,3-Dichloropropene	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-1,4-Dichloro-2-butene	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)
Trichloroethene	ND (0.001)	0.0049	ND (0.001)	0.0014	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichlorofluoromethane (CFC-11)	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	0.038	0.3	0.015	0.0072	0.0046	0.056	ND (0.001)	ND (0.001)	ND (0.001)
Semi Volatile Organic Compounds (mg/L)									
1,2,4-Trichlorobenzene	--	--	--	--	--	ND (0.0021)	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	ND (0.001)	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	ND (0.001)	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	ND (0.001)	--	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	--	--	--	--	--	ND (0.001)	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	ND (0.01)	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	ND (0.01)	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	ND (0.01)	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	ND (0.01)	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	ND (0.051)	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	ND (0.0051)	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	ND (0.0051)	--	--	--
2-Chloronaphthalene	--	--	--	--	--	ND (0.0021)	--	--	--
2-Chlorophenol	--	--	--	--	--	ND (0.01)	--	--	--
2-Methylnaphthalene	--	--	--	--	--	ND (0.0051)	--	--	--
2-Methylphenol	--	--	--	--	--	ND (0.01)	--	--	--
2-Nitroaniline	--	--	--	--	--	ND (0.021)	--	--	--
2-Nitrophenol	--	--	--	--	--	ND (0.01)	--	--	--
3&4-Methylphenol	--	--	--	--	--	ND (0.021)	--	--	--
3-Nitroaniline	--	--	--	--	--	ND (0.021)	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	ND (0.051)	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	ND (0.0021)	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	ND (0.01)	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	ND (0.001)	--	--	--
4-Nitroaniline	--	--	--	--	--	ND (0.021)	--	--	--
4-Nitrophenol	--	--	--	--	--	ND (0.051)	--	--	--
Acenaphthene	--	--	--	--	--	ND (0.001)	--	--	--
Acenaphthylene	--	--	--	--	--	ND (0.001)	--	--	--
Anthracene	--	--	--	--	--	ND (0.001)	--	--	--
Azobenzene	--	--	--	--	--	ND (0.0021)	--	--	--
Benzo(a)anthracene	--	--	--	--	--	ND (0.001)	--	--	--
Benzo(a)pyrene	--	--	--	--	--	ND (0.0021)	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	ND (0.0021)	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	ND (0.0021)	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	ND (0.0021)	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	ND (0.0021)	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	ND (0.001)	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	ND (0.0021)	--	--	--
Butyl benzylphthalate	--	--	--	--	--	ND (0.001)	--	--	--
Carbazole	--	--	--	--	--	ND (0.01)	--	--	--
Chrysene	--	--	--	--	--	ND (0.001)	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	MPI-8	MPI-9	MPI-10	MPI-11	MPI-12	MPI-13	MPI-14	MPI-15	MPI-16
Sample ID:	PIC-MPI-8	PIC-MPI-9	PIC-MPI-10	PIC-MPI-11	PIC-MPI-12	PIC-MPI-13	PIC-MPI-14	PIC-MPI-15	PIC-MPI-16
Dibenz(a,h)anthracene	--	--	--	--	--	ND (0.0021)	--	--	--
Dibenzofuran	--	--	--	--	--	ND (0.0051)	--	--	--
Diethyl phthalate	--	--	--	--	--	ND (0.001)	--	--	--
Dimethyl phthalate	--	--	--	--	--	ND (0.0021)	--	--	--
Di-n-butylphthalate	--	--	--	--	--	ND (0.001)	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	ND (0.0021)	--	--	--
Fluoranthene	--	--	--	--	--	ND (0.001)	--	--	--
Fluorene	--	--	--	--	--	ND (0.001)	--	--	--
Hexachlorobenzene	--	--	--	--	--	ND (0.0021)	--	--	--
Hexachlorobutadiene	--	--	--	--	--	ND (0.0021)	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	ND (0.01)	--	--	--
Hexachloroethane	--	--	--	--	--	ND (0.001)	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	ND (0.0021)	--	--	--
Isophorone	--	--	--	--	--	ND (0.001)	--	--	--
Naphthalene	--	--	--	--	--	ND (0.001)	--	--	--
Nitrobenzene	--	--	--	--	--	ND (0.0021)	--	--	--
N-Nitrosodimethylamine	--	--	--	--	--	ND (0.0051)	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	ND (0.0021)	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	ND (0.0021)	--	--	--
Pentachlorophenol	--	--	--	--	--	ND (0.051)	--	--	--
Phenanthrene	--	--	--	--	--	ND (0.001)	--	--	--
Phenol	--	--	--	--	--	ND (0.01)	--	--	--
Pyrene	--	--	--	--	--	ND (0.001)	--	--	--
Metals (mg/L)									
Arsenic	ND (0.001)	0.0015	0.0015	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0018
Barium	0.3	0.51	0.2	0.17	0.034	0.4	0.051	0.022	0.2
Cadmium	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	0.00024	ND (0.0002)
Chromium Total	ND (0.001)	0.0024	ND (0.001)	ND (0.001)	ND (0.001)	0.0012	ND (0.001)	0.0019	0.0034
Copper	ND (0.001)	0.0013	0.0019	ND (0.001)	0.0015	0.0012	ND (0.001)	ND (0.001)	0.001
Lead	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)
Mercury	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002) H	ND (0.0002) H	ND (0.0002)	ND (0.0002)	ND (0.0002)
Selenium	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)
Silver	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)
Zinc	1.4 DL	5	4.1 DL	0.34	2.2 DL	4.2 DL	0.79	0.3	2.8 DL
Polychlorinated Biphenyls (mg/L)									
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	MPI-17	MPI-18	MW-5	MW-6	OW-1R	OW-2R	OW-3	OW-5D	OW-5S
Sample ID:	PCI-MPI-17	PIC-MPI-18	PIC-MW-5	PIC-MW-6	PIC-OW-1R	PIC-OW-2R	PIC-OW-3	PIC-OW-5D	PIC-OW-5S
Sample Date:	1/22/2003	1/22/2003	1/23/2003	1/23/2003	1/24/2003	1/22/2003	1/22/2003	1/21/2003	1/21/2003
Sampling Event:	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003
Matrix:	WG	WG	WG	WG	WG	WG	WG	WG	WG
Volatile Organic Compounds (mg/L)									
1,1,1,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	0.0022	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0017	0.0011	ND (0.01)	0.0026	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0021	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,2,3-Trichlorobenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,2-Dichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
2-Hexanone	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
2-Methylnaphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.05) X	ND (0.005) X	ND (0.005) X
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Acetone	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)
Acrylonitrile	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Bromobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Bromodichloromethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Bromoform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Carbon disulfide	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Chlorobenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Chlorobromomethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Chloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.013	0.012	ND (0.001)
cis-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Dibromochloromethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Dibromomethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Ethyl Ether	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Hexachloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Iodomethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
m&p-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.02)	ND (0.002)	ND (0.002)
Methyl Tert Butyl Ether	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Naphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.05) X	ND (0.005) X	ND (0.005) X

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	MPI-17	MPI-18	MW-5	MW-6	OW-1R	OW-2R	OW-3	OW-5D	OW-5S
Sample ID:	PCI-MPI-17	PIC-MPI-18	PIC-MW-5	PIC-MW-6	PIC-OW-1R	PIC-OW-2R	PIC-OW-3	PIC-OW-5D	PIC-OW-5S
n-Butylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
tert-Butylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.29	ND (0.001)	0.011
Tetrahydrofuran	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
trans-1,3-Dichloropropene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
trans-1,4-Dichloro-2-butene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.05)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.01	ND (0.001)	ND (0.001)
Trichlorofluoromethane (CFC-11)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	ND (0.001)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.01)	0.16	ND (0.001)
Semi Volatile Organic Compounds (mg/L)									
1,2,4- Trichlorobenzene	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	--	--	--	--	--	--	--	--	--
2,4,5- Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4,6- Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--
2-Methylphenol	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--
Azobenzene	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
<i>Area of Interest:</i>	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
<i>Sample Location:</i>	MPI-17	MPI-18	MW-5	MW-6	OW-1R	OW-2R	OW-3	OW-5D	OW-5S
<i>Sample ID:</i>	PCI-MPI-17	PIC-MPI-18	PIC-MW-5	PIC-MW-6	PIC-OW-1R	PIC-OW-2R	PIC-OW-3	PIC-OW-5D	PIC-OW-5S
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--
<i>Metals (mg/L)</i>									
Arsenic	0.0025	0.0025	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Barium	0.14	0.31	0.013	0.025	0.14	0.086	0.021	1.2 DL	0.0087
Cadmium	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	0.00032	0.00054	ND (0.0002)	ND (0.0002)
Chromium Total	0.0012	ND (0.001)	ND (0.001)	ND (0.001)	0.0011	0.0012	0.0018	ND (0.001)	ND (0.001)
Copper	ND (0.001)	ND (0.001)	0.0014	0.0014	0.0011	0.0013	0.0022	0.0016	ND (0.001)
Lead	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0024	ND (0.001)	0.023	ND (0.001)	ND (0.001)
Mercury	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Selenium	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)
Silver	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)
Zinc	0.93	1.3 DL	ND (0.01)	ND (0.01)	0.6	0.014	0.71	4 DL	0.13
<i>Polychlorinated Biphenyls (mg/L)</i>									
Aroclor-1016 (PCB-1016)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	ND (0.0001)	0.0018 JD	ND (0.0001)	--	--	--	--
Aroclor-1262 (PCB-1262)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--
Aroclor-1268 (PCB-1268)	--	--	ND (0.0001)	ND (0.0001)	ND (0.0001)	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-8	OW-9	OW-11	OW-12	OW-13	OW-14D	OW-14S	OW-15	OW-16D
Sample ID:	PIC-OW-8	PIC-OW-9	PIC-OW-11	PIC-OW-12	PIC-OW-13	PIC-OW-14D	PIC-OW-14S	PIC-OW-15	PIC-OW-16D
Sample Date:	1/22/2003	1/21/2003	1/23/2003	1/23/2003	1/20/2003	1/21/2003	1/21/2003	1/23/2003	1/21/2003
Sampling Event:	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003
Matrix:	WG	WG	WG	WG	WG	WG	WG	WG	WG
Volatile Organic Compounds (mg/L)									
1,1,1,2-Tetrachloroethane	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0014	0.024	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.01)	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	ND (0.01)	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	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0011	0.0086	ND (0.001)
1,1-Dichloroethene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichlorobenzene	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.01)	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	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.01)	ND (0.001)	ND (0.001)	0.002	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.05)	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-Dibromoethane (Ethylene Dibromide)	ND (0.01)	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	ND (0.01)	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	ND (0.01)	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	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.01)	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	ND (0.01)	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	ND (0.01)	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)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Hexanone	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Methylnaphthalene	ND (0.05) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X
2-Phenylbutane (sec-Butylbenzene)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acrylonitrile	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Benzene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromobenzene	ND (0.01)	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	ND (0.01)	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	ND (0.01)	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)	ND (0.05)	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 disulfide	ND (0.01)	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 tetrachloride	ND (0.01)	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	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0023	ND (0.001)
Chlorobromomethane	ND (0.01)	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	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	ND (0.01)	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)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
cis-1,2-Dichloroethene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	0.0053	ND (0.001)	ND (0.001)	0.0047	ND (0.001)
cis-1,3-Dichloropropene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.01)	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	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromomethane	ND (0.01)	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)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethyl Ether	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Hexachloroethane	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Iodomethane	ND (0.01)	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	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m&p-Xylene	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methyl Tert Butyl Ether	ND (0.01)	ND (0.001)	ND (0.001)	0.027	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene	ND (0.05) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-8	OW-9	OW-11	OW-12	OW-13	OW-14D	OW-14S	OW-15	OW-16D
Sample ID:	PIC-OW-8	PIC-OW-9	PIC-OW-11	PIC-OW-12	PIC-OW-13	PIC-OW-14D	PIC-OW-14S	PIC-OW-15	PIC-OW-16D
n-Butylbenzene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
tert-Butylbenzene	ND (0.01)	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	ND (0.01)	0.0035	ND (0.001)	ND (0.001)	0.0065	ND (0.001)	0.014	ND (0.001)	ND (0.001)
Tetrahydrofuran	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.01)	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-1,2-Dichloroethene	ND (0.01)	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	ND (0.01)	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-1,4-Dichloro-2-butene	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	0.0019	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichlorofluoromethane (CFC-11)	ND (0.01)	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	0.19	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.005	ND (0.001)	ND (0.001)	ND (0.001)
Semi Volatile Organic Compounds (mg/L)									
1,2,4- Trichlorobenzene	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	--	--	--	--	--	--	--	--	--
2,4,5- Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4,6- Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--
2-Methylphenol	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--
Azobenzene	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-8	OW-9	OW-11	OW-12	OW-13	OW-14D	OW-14S	OW-15	OW-16D
Sample ID:	PIC-OW-8	PIC-OW-9	PIC-OW-11	PIC-OW-12	PIC-OW-13	PIC-OW-14D	PIC-OW-14S	PIC-OW-15	PIC-OW-16D
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--
Metals (mg/L)									
Arsenic	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0034	0.0026
Barium	0.075	0.0055	0.059	0.02	0.044	0.78	0.027	0.015	0.25
Cadmium	0.00041	ND (0.0002)	0.00028	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	0.0016	ND (0.0002)
Chromium Total	0.0098	0.0026	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Copper	0.0087	0.0012	0.0012	0.0013	0.0048	0.0014	0.0032	0.0035	0.0013
Lead	0.0055	0.0012	0.013	ND (0.001)	ND (0.001)	0.001	0.0056	0.0097	0.0011
Mercury	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002) H	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Selenium	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)
Silver	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)
Zinc	0.41	ND (0.01)	2 DL	0.35	0.012	3 DL	0.058	0.61	1.7 DL
Polychlorinated Biphenyls (mg/L)									
Aroclor-1016 (PCB-1016)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1262 (PCB-1262)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--
Aroclor-1268 (PCB-1268)	--	--	ND (0.0001)	ND (0.0001)	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-16S	OW-19	OW-20D	OW-20S	OW-22	OW-23	OW-24	OW-25	OW-26
Sample ID:	PIC-OW-16S	PIC-OW-19	PIC-OW-20D	PIC-OW20S	PIC-OW-22	PIC-OW-23	PIC-OW-24	PIC-OW-25	PIC-OW-26
Sample Date:	1/21/2003	1/21/2003	1/22/2003	1/24/2003	1/24/2003	1/24/2003	1/24/2003	1/23/2003	1/22/2003
Sampling Event:	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003
Matrix:	WG	WG	WG	WG	WG	WG	WG	WG	WG
Volatile Organic Compounds (mg/L)									
1,1,1,2-Tetrachloroethane	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)
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.24	0.17	0.0036	0.016	0.0088
1,1,2,2-Tetrachloroethane	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	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0092	0.013	0.059	0.027	0.0031
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0039	0.0049	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichlorobenzene	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)
1,2,3-Trichloropropane	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)
1,2,4-Trichlorobenzene	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)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.55 J	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	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-Dibromoethane (Ethylene Dibromide)	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0018	ND (0.001)	0.16	ND (0.001)	ND (0.001)
1,2-Dichloroethane	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	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)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.17	ND (0.001)
1,3-Dichlorobenzene	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0023	ND (0.001)	0.19	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	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)
2-Hexanone	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)
2-Methylnaphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	0.0078 XJ	ND (0.005) X
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.043	ND (0.001)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	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)
Acetone	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)
Acrylonitrile	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)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0012	ND (0.001)	ND (0.001)
Bromobenzene	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	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	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)	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 disulfide	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 tetrachloride	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.017	ND (0.001)	ND (0.001)
Chlorobromomethane	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	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)
Chloroform (Trichloromethane)	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)
Chloromethane (Methyl Chloride)	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)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	0.0012	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.011	ND (0.001)
cis-1,3-Dichloropropene	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)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.05	ND (0.001)
Dibromochloromethane	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)
Dibromomethane	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)	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)
Ethyl Ether	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)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.023	ND (0.001)
Hexachloroethane	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)
Iodomethane	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.027	ND (0.001)
m&p-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.02	ND (0.002)
Methyl Tert Butyl Ether	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)
Methylene chloride	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)
Naphthalene	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	0.12 XJ	ND (0.005) X

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-16S	OW-19	OW-20D	OW-20S	OW-22	OW-23	OW-24	OW-25	OW-26
Sample ID:	PIC-OW-16S	PIC-OW-19	PIC-OW-20D	PIC-OW20S	PIC-OW-22	PIC-OW-23	PIC-OW-24	PIC-OW-25	PIC-OW-26
n-Butylbenzene	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)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.068	ND (0.001)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0011	ND (0.001)
Styrene	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)
tert-Butylbenzene	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	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0059	0.0074	ND (0.001)	0.044	0.063
Tetrahydrofuran	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)
Toluene	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-1,2-Dichloroethene	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	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-1,4-Dichloro-2-butene	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)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.002	0.0019	ND (0.001)	0.0011	0.0023
Trichlorofluoromethane (CFC-11)	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	ND (0.001)	0.0036	0.0019	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.23 J	ND (0.001)
Semi Volatile Organic Compounds (mg/L)									
1,2,4- Trichlorobenzene	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	--	--	--	--	--	--	--	--	--
2,4,5- Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4,6- Trichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	--
2-Methylphenol	--	--	--	--	--	--	--	--	--
2-Nitroaniline	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--
Azobenzene	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-16S	OW-19	OW-20D	OW-20S	OW-22	OW-23	OW-24	OW-25	OW-26
Sample ID:	PIC-OW-16S	PIC-OW-19	PIC-OW-20D	PIC-OW20S	PIC-OW-22	PIC-OW-23	PIC-OW-24	PIC-OW-25	PIC-OW-26
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--	--	--
Diethyl phthalate	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--	--
Fluorene	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	--	--
Phenol	--	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--	--
Metals (mg/L)									
Arsenic	ND (0.001)	0.0037	ND (0.001)	--	ND (0.001)	ND (0.001)	0.0015	ND (0.001)	ND (0.001)
Barium	0.092	0.22	0.64	--	0.024	0.02	0.013	0.024	0.052
Cadmium	ND (0.0002)	ND (0.0002)	ND (0.0002)	--	0.00069	ND (0.0002)	0.0013	ND (0.0002)	0.00024
Chromium Total	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	0.0038	ND (0.001)
Copper	0.0012	ND (0.001)	0.0012	--	0.0017	0.0011	0.015	0.0011	0.0029
Lead	0.0028	ND (0.001)	0.0015	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Mercury	ND (0.0002)	ND (0.0002)	ND (0.0002)	--	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002) H
Selenium	ND (0.001)	ND (0.001)	ND (0.001)	--	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Silver	ND (0.0005)	ND (0.0005)	ND (0.0005)	--	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Zinc	2.5 DL	ND (0.01)	2.8 DL	--	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Polychlorinated Biphenyls (mg/L)									
Aroclor-1016 (PCB-1016)	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	--	--	--	--	--	--	--	--	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-27	OW-27-NE	OW-27-NW	OW-27-SE	OW-27-SW	OW-28	OW-29	OW-30	OW-31
Sample ID:	PIC-OW-27	PIC-OW-27-NE	PIC-OW-27 NW	PIC-OW-27-SE	PIC-OW-27-SW	PIC-OW-28	PIC-OW-29	PIC-OW-30	PIC-OW-31
Sample Date:	1/23/2003	1/23/2003	1/23/2003	1/23/2003	1/23/2003	1/23/2003	1/22/2003	1/22/2003	1/21/2003
Sampling Event:	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003	MALCOLM PIRNIE-2003
Matrix:	WG	WG	WG	WG	WG	WG	WG	WG	WG
Volatile Organic Compounds (mg/L)									
1,1,1,2-Tetrachloroethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,1-Trichloroethane	0.017	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	0.048	0.03	0.066	ND (0.001)
1,1,2,2-Tetrachloroethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.01)	ND (0.01)	0.0037	ND (0.01)	ND (0.01)	ND (0.001)	0.0084	0.012	ND (0.001)
1,1-Dichloroethene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	0.0035	ND (0.001)
1,2,3-Trichlorobenzene	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trichlorobenzene	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	0.44	1.2	0.5	1	0.77	ND (0.001)	0.034	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloropropane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	0.04	0.12	0.01	0.077	0.034	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3-Dichlorobenzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dichlorobenzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Hexanone	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Methylnaphthalene	ND (0.05) X	ND (0.05) X	ND (0.005) X	ND (0.05) X	ND (0.05) X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X
2-Phenylbutane (sec-Butylbenzene)	0.014	ND (0.01)	0.038	0.033	0.026	ND (0.001)	0.0018	ND (0.001)	ND (0.001)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.2)	ND (0.2)	ND (0.02)	ND (0.2)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acrylonitrile	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Benzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromobenzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromodichloromethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromoform	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon disulfide	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chlorobenzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chlorobromomethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroethane	ND (0.05)	ND (0.05)	0.008	ND (0.05)	ND (0.05)	ND (0.005)	0.019	ND (0.005)	ND (0.005)
Chloroform (Trichloromethane)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloromethane (Methyl Chloride)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
cis-1,2-Dichloroethene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	0.0034	0.01	ND (0.001)
cis-1,3-Dichloropropene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.01)	0.05	0.017	0.022	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromochloromethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dibromomethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethyl Ether	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.01)	0.011	0.012	0.026	0.013	ND (0.001)	0.0024	ND (0.001)	ND (0.001)
Hexachloroethane	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Iodomethane	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.01)	0.02	0.019	0.031	0.014	ND (0.001)	0.0037	ND (0.001)	ND (0.001)
m&p-Xylene	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.02)	ND (0.02)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methyl Tert Butyl Ether	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Naphthalene	ND (0.05) X	0.14 X	0.079 X	0.15 X	0.093 X	ND (0.005) X	ND (0.005) X	ND (0.005) X	ND (0.005) X

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-27	OW-27-NE	OW-27-NW	OW-27-SE	OW-27-SW	OW-28	OW-29	OW-30	OW-31
Sample ID:	PIC-OW-27	PIC-OW-27-NE	PIC-OW-27 NW	PIC-OW-27-SE	PIC-OW-27-SW	PIC-OW-28	PIC-OW-29	PIC-OW-30	PIC-OW-31
n-Butylbenzene	0.023	ND (0.01)	ND (0.001)	0.035	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	0.023	0.055	0.045	0.069	0.042	ND (0.001)	0.0033	ND (0.001)	ND (0.001)
o-Xylene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
tert-Butylbenzene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	0.012	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	0.044	ND (0.01)	0.0014	ND (0.01)	ND (0.01)	0.26	ND (0.001)	ND (0.001)	0.0087
Tetrahydrofuran	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	0.0012	ND (0.001)
trans-1,3-Dichloropropene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,4-Dichloro-2-butene	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	0.0075	0.0061	0.011	ND (0.001)
Trichlorofluoromethane (CFC-11)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl chloride	0.013	ND (0.01)	0.0039	ND (0.01)	ND (0.01)	ND (0.001)	0.0011	0.0017	ND (0.001)
Semi Volatile Organic Compounds (mg/L)									
1,2,4- Trichlorobenzene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
1,2-Dichlorobenzene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
1,3-Dichlorobenzene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
1,4-Dichlorobenzene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
2,4,5- Trichlorophenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
2,4,6-Trichlorophenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
2,4-Dichlorophenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
2,4-Dimethylphenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
2,4-Dinitrophenol	--	ND (0.052)	--	--	--	--	ND (0.052)	ND (0.05)	--
2,4-Dinitrotoluene	--	ND (0.0052)	--	--	--	--	ND (0.0052)	ND (0.005)	--
2,6-Dinitrotoluene	--	ND (0.0052)	--	--	--	--	ND (0.0052)	ND (0.005)	--
2-Chloronaphthalene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
2-Chlorophenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
2-Methylnaphthalene	--	ND (0.0052)	--	--	--	--	ND (0.0052)	ND (0.005)	--
2-Methylphenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
2-Nitroaniline	--	ND (0.021)	--	--	--	--	ND (0.021)	ND (0.02)	--
2-Nitrophenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
3&4-Methylphenol	--	ND (0.021)	--	--	--	--	ND (0.021)	ND (0.02)	--
3-Nitroaniline	--	ND (0.021)	--	--	--	--	ND (0.021)	ND (0.02)	--
4,6-Dinitro-2-methylphenol	--	ND (0.052)	--	--	--	--	ND (0.052)	ND (0.05)	--
4-Bromophenyl phenyl ether	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
4-Chloro-3-methylphenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
4-Chlorophenyl phenyl ether	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
4-Nitroaniline	--	ND (0.021)	--	--	--	--	ND (0.021)	ND (0.02)	--
4-Nitrophenol	--	ND (0.052)	--	--	--	--	ND (0.052)	ND (0.05)	--
Acenaphthene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Acenaphthylene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Anthracene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Azobenzene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Benzo(a)anthracene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Benzo(a)pyrene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Benzo(b)fluoranthene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Benzo(g,h,i)perylene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Benzo(k)fluoranthene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
bis(2-Chloroethoxy)methane	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
bis(2-Chloroethyl)ether	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
bis(2-Ethylhexyl)phthalate	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Butyl benzylphthalate	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Carbazole	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
Chrysene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--

TABLE C.1

ANALYTICAL RESULTS OF UPGRADIENT GROUNDWATER SAMPLES									
PIC PROPERTY - MALCOLM PIRNIE									
13000 ECKLES ROAD SITE									
LIVONIA, MICHIGAN									
Area of Interest:	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33	AOI 33
Sample Location:	OW-27	OW-27-NE	OW-27-NW	OW-27-SE	OW-27-SW	OW-28	OW-29	OW-30	OW-31
Sample ID:	PIC-OW-27	PIC-OW-27-NE	PIC-OW-27 NW	PIC-OW-27-SE	PIC-OW-27-SW	PIC-OW-28	PIC-OW-29	PIC-OW-30	PIC-OW-31
Dibenz(a,h)anthracene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Dibenzofuran	--	ND (0.0052)	--	--	--	--	ND (0.0052)	ND (0.005)	--
Diethyl phthalate	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Dimethyl phthalate	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Di-n-butylphthalate	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Di-n-octyl phthalate	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Fluoranthene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Fluorene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Hexachlorobenzene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Hexachlorobutadiene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Hexachlorocyclopentadiene	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
Hexachloroethane	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Indeno(1,2,3-cd)pyrene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Isophorone	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Naphthalene	--	0.078	--	--	--	--	ND (0.001)	ND (0.001)	--
Nitrobenzene	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
N-Nitrosodimethylamine	--	ND (0.0052)	--	--	--	--	ND (0.0052)	ND (0.005)	--
N-Nitrosodi-n-propylamine	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
N-Nitrosodiphenylamine	--	ND (0.0021)	--	--	--	--	ND (0.0021)	ND (0.002)	--
Pentachlorophenol	--	ND (0.052)	--	--	--	--	ND (0.052)	ND (0.05)	--
Phenanthrene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Phenol	--	ND (0.01)	--	--	--	--	ND (0.01)	ND (0.01)	--
Pyrene	--	ND (0.001)	--	--	--	--	ND (0.001)	ND (0.001)	--
Metals (mg/L)									
Arsenic	0.0026	0.0078	0.0032	0.0076	0.0043	ND (0.001)	0.0058	ND (0.001)	ND (0.001)
Barium	0.032	0.05	0.043	0.066	0.08	0.013	0.02	0.062	0.018
Cadmium	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	0.0004
Chromium Total	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0059	ND (0.001)	ND (0.001)	0.0017
Copper	0.0014	0.0014	0.0021	0.0021	0.0011	ND (0.001)	0.0022	0.0026	0.003
Lead	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.0029
Mercury	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002) H	ND (0.0002) H	ND (0.0002)
Selenium	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.002	ND (0.001)	ND (0.001)	ND (0.001)
Silver	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)
Zinc	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.011
Polychlorinated Biphenyls (mg/L)									
Aroclor-1016 (PCB-1016)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	--	ND (0.0001)	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	--	ND (0.0001)	--	--	--	--	--	--	--



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

<u>Qualifier Code</u>	<u>Qualifier Description</u>
A	Value reported is the mean of two or more determinations.
C	Value calculated from other independent parameters.
D	Analyte value quantified from a dilution(s); reporting limit (RL) raised.
E	Result is estimated due to high recovery of batch QC.
F	Free cyanide was not analyzed due to low level of total cyanide.
G	Result and RL are estimated due to initial calibration standard criteria failure.
H	Recommended laboratory holding time was exceeded.
I	Dilution required due to matrix interference; reporting limit (RL) raised.
J	Analyte was positively identified. Value is an estimate.
JA	Result is estimated due to multiple Aroclors present.
JC	Result is estimated since confirmation analysis did not meet acceptance criteria
JD	Due to severe degradation, specific Aroclor identification is difficult and quantitation is estimated.
K	RL(s) raised due to matrix interferences.
LB	Reported library search compounds are tentative identifications with estimated concentrations.
M	The level of the method preparation blank (MPB) is reported in the qualifier column.
N	Non-homogeneous sample made analysis of sample questionable.
O	Result and RL estimated due to analysis from an open vial.
P	Recommended sample collection/preservation technique not used; reported result(s) is an estimate.
Q	Quantity of sample insufficient to perform analyses requested.
R	Result confirmed by re-extraction and analysis.
S	Supernatant analyzed.
T	Reported value is less than the reporting limit (RL).
V	Value not available due to dilution.
W	Reported value is less than the method detection limit (MDL).
X	Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200°C. 2-Methylnaphthalene & naphthalene have boiling points above 200°C and are better suited to analysis by methods 8270 or 625 as semivolatile organics.
1	Result(s) and RL(s) are estimated due to low surrogate recovery.
2	Result is estimated due to high surrogate recovery.
3	Result(s) and RL(s) are estimated due to low matrix spike recovery.
4	Result is estimated due to high matrix spike recovery.
5	Result and RL are estimated due to low continuing calibration standard criteria failure.
6	Result is estimated due to high continuing calibration standard criteria failure.
7	Result(s) and RL(s) are estimated due to poor precision.
8	Result(s) and RL(s) are estimated due to low recovery of batch QC.
KR	RL(s) raised due to low sample volume submitted.
KS	RL(s) raised due to low total solids.
KW	RL(s) raised due to light sample weight.
9	Result outside QC acceptance criteria.

CAS# : Chemical Abstract Service Registry Number
RL : Reporting Limit
ND : Not Detected

ug / L : microgram / liter (ppb)
mg / L : milligram / liter (ppm)
ug / Kg : microgram / kilogram (ppb)
mg / Kg : milligram / kilogram (ppm)

Laboratory Contacts
Inorganic Unit Mgr: Sandy Gregg
Organic Unit Mgr: Carol Smith
Systems Mgmt Unit: George Krisztian

**Table C.2: Screening Results for Jan. 2003 Groundwater Data
Plymouth Industrial Center, Livonia, MI**

Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)		Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
VOC	Benzene	71-43-2	A	54	2	1.20E-03	2.40E-03	5.0E-03	1.1E+01	8.1E+00	c	4.8E-01	2.2E-04	2.9E-04
VOC	Bromodichloromethane	75-27-4	B2	54	1	7.00E-03	7.00E-03	1.0E-01	1.4E+01	8.6E+00	c	7.0E-02	5.0E-04	8.1E-04
VOC	n-Butylbenzene	104-51-8		54	2	2.30E-02	3.50E-02	2.3E-01	5.9E+00			1.5E-01	5.9E-03	
VOC	sec-Butylbenzene	135-98-8		54	6	1.80E-03	4.30E-02	2.3E-01	4.4E+00			1.9E-01	9.8E-03	
VOC	tert-Butylbenzene	98-06-6		54	1	1.20E-02	1.20E-02	2.3E-01	8.9E+00			5.2E-02	1.3E-03	
VOC	Chlorobenzene	108-90-7	D	54	2	2.30E-03	1.70E-02	1.0E-01	8.6E+01	1.8E+02	nc	1.7E-01	2.0E-04	9.3E-05
VOC	Chloroethane	75-00-3		54	4	8.00E-03	1.90E-02	1.7E+00	4.4E+02			1.1E-02	4.3E-05	
VOC	p-Cymene	99-87-6		54	4	1.70E-02	5.00E-02							
VOC	1,2-Dichlorobenzene	95-50-1	D	58	2	1.80E-03	1.60E-01	6.0E-01	1.6E+02	9.3E+02	nc	2.7E-01	1.0E-03	1.7E-04
VOC	1,4-Dichlorobenzene	106-46-7	C	58	2	2.30E-03	1.90E-01	7.5E-02	6.4E+00	1.8E+01	c	2.5E+00	3.0E-02	1.1E-02
VOC	1,1-Dichloroethane	75-34-3	C	54	24	1.10E-03	5.90E-02	2.5E+00	2.4E+03	1.1E+03	nc	2.4E-02	2.5E-05	5.3E-05
VOC	1,1-Dichloroethene	75-35-4	C	54	11	1.30E-03	3.40E-02	7.0E-03	1.1E+01	2.4E+02	nc	4.9E+00	3.1E-03	1.4E-04
VOC	cis-1,2-Dichloroethene	156-59-2	D	54	18	1.20E-03	7.40E-01	7.0E-02	2.0E+02	8.9E+01	nc	1.1E+01	3.7E-03	8.3E-03
VOC	trans-1,2-Dichloroethene	156-60-5		54	9	1.20E-03	2.60E-02	1.0E-01	2.2E+02	1.2E+02	nc	2.6E-01	1.2E-04	2.2E-04
VOC	Ethyl Benzene	100-41-4	D	54	6	2.40E-03	2.60E-02	7.0E-01	1.7E+02	2.3E+03	nc	3.7E-02	1.5E-04	1.1E-05
VOC	Methyl tert-butyl ether	1634-04-4		54	1	2.70E-02	2.70E-02	6.9E-01	6.1E+02	1.4E+03	c	3.9E-02	4.4E-05	1.9E-05
VOC	n-Propylbenzene	103-65-1		54	7	3.30E-03	6.90E-02	2.3E-01	1.5E+01			3.0E-01	4.6E-03	
VOC	Tetrachloroethene	127-18-4	C-B2	54	19	1.40E-03	1.40E+00	5.0E-03	1.2E+01	1.5E+01	c	2.8E+02	1.2E-01	9.2E-02
VOC	1,1,1-Trichloroethane	71-55-6	D	54	17	1.40E-03	3.40E-01	2.0E-01	1.3E+03	3.5E+03	nc	1.7E+00	2.6E-04	9.7E-05
VOC	Trichloroethene	79-01-6	C-B2	54	17	1.10E-03	8.50E-01	5.0E-03	2.2E+01	3.1E+01	c	1.7E+02	3.9E-02	2.8E-02
VOC	1,2,4-Trimethylbenzene	95-63-6		54	8	2.00E-03	1.20E+00	2.9E+00	5.6E+01			4.1E-01	2.1E-02	
VOC	1,3,5-Trimethylbenzene	108-67-8		54	6	1.00E-02	1.70E-01	2.9E+00	6.1E+01			5.9E-02	2.8E-03	
VOC	Vinyl Chloride	75-01-4	A	54	22	1.10E-03	7.80E-01	2.0E-03	1.0E+00	3.3E+00	c	3.9E+02	7.8E-01	2.4E-01
VOC	Xylenes (total)	1330-20-7	ID	54	1	2.11E-02	2.11E-02	1.0E+01	1.9E+02	2.3E+02	nc	2.1E-03	1.1E-04	9.3E-05
SVOC	2-Methylnaphthalene	91-57-6	ID	58	1	7.80E-03	7.80E-03	7.5E-01	2.5E+01			1.0E-02	3.1E-04	
SVOC	Naphthalene	91-20-3	C	58	6	7.80E-02	1.50E-01	1.5E+00	3.1E+01	3.9E+01	nc	1.0E-01	4.8E-03	3.9E-03
P/PCB	PCBs (total)	1336-36-3	B2	6	1	1.80E-03	1.80E-03	5.0E-04	3.3E-03	1.7E-01	c	3.6E+00	5.5E-01	1.1E-02
INORG	Arsenic	7440-38-2	A	51	16	1.50E-03	7.80E-03	5.0E-02	4.3E+00			1.6E-01	1.8E-03	
INORG	Barium	7440-39-3	D	51	51	5.50E-03	1.20E+00	2.0E+00	1.4E+04			6.0E-01	8.6E-05	
INORG	Cadmium	7440-43-9	B1	51	10	2.40E-04	1.60E-03	5.0E-03	1.9E+02			3.2E-01	8.4E-06	
INORG	Chromium (total)	7440-47-3		51	14	1.10E-03	9.80E-03	1.0E-01	4.6E+02			9.8E-02	2.1E-05	
INORG	Copper	7440-50-8	D	51	41	1.00E-03	1.50E-02	4.0E+00	7.4E+03			3.8E-03	2.0E-06	
INORG	Lead	7439-92-1	B2	51	13	1.00E-03	2.30E-02	4.0E-03				5.8E+00		
INORG	Selenium	7782-49-2	D	51	1	2.00E-03	2.00E-03	5.0E-02	9.7E+02			4.0E-02	2.1E-06	
INORG	Zinc	7440-66-6	D	51	34	1.10E-02	6.70E+00	5.0E+00	1.1E+05			1.3E+00	6.1E-05	

**Table C.2: Screening Results for Jan. 2003 Groundwater Data
Plymouth Industrial Center, Livonia, MI**

Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Conc (mg/L)	Max Conc (mg/L)	MDEQ Industrial Drinking Water Criteria (mg/L)	MDEQ Groundwater Contact Criteria (mg/L)	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Max Conc to MDEQ Industrial Drinking Water Criteria	Ratio of Max Conc to Groundwater Contact Criteria	Ratio of Max Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
Notes:													
Only detected constituents are shown.													
Shaded cells represent ratios greater than 1.													
The screening criteria for Chromium VI were used as a surrogate for Chromium (total).													
The concentrations for all PCB isomers (Aroclors) were summed before comparing to the screening criteria for PCBs (total).													
The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the screening criteria for Xylenes.													
c - The Screening Criteria is based on cancer risk.													
nc - The Screening Criteria is based on noncancer effects.													
Chem Group - Chemical Group													
Carc Class - EPA Weight-of-Evidence Cancer Classification													

Table C.3: Concentrations Exceeding Screening Criteria in Jan. 2003 Groundwater Data Plymouth Industrial Center, Livonia, MI														
Location	Well Zone	Sample ID	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
GMW-1	Deep	PIC-GMW-1~1/24/2003~AA07209~GMW-1~~	1/24/2003	VOC	1,1-Dichloroethene	75-35-4	1.10E-02		7.0E-03	1.6E+00	1.1E+01	1.0E-03	2.4E+02	4.5E-05
GMW-1	Deep	PIC-GMW-1~1/24/2003~AA07209~GMW-1~~	1/24/2003	VOC	Tetrachloroethene	127-18-4	2.10E-02		5.0E-03	4.2E+00	1.2E+01	1.8E-03	1.5E+01	1.4E-03
GMW-1	Deep	PIC-GMW-1~1/24/2003~AA07209~GMW-1~~	1/24/2003	VOC	1,1,1-Trichloroethane	71-55-6	3.40E-01		2.0E-01	1.7E+00	1.3E+03	2.6E-04	3.5E+03	9.7E-05
GMW-3	Deep	PIC-GMW-3~1/24/2003~AA07211~GMW-3~~	1/24/2003	VOC	Trichloroethene	79-01-6	2.20E-02		5.0E-03	4.4E+00	2.2E+01	1.0E-03	3.1E+01	7.2E-04
MPI-10-PIC	Deep	PIC-MPI-10~1/21/2003~AA07217~MPI-10~~	1/21/2003	VOC	Vinyl Chloride	75-01-4	1.50E-02		2.0E-03	7.5E+00	1.0E+00	1.5E-02	3.3E+00	4.5E-03
MPI-11-PIC	Deep	PIC-MPI-11~1/23/2003~AA07235~MPI-11~~	1/23/2003	VOC	1,1-Dichloroethene	75-35-4	1.50E-02		7.0E-03	2.1E+00	1.1E+01	1.4E-03	2.4E+02	6.2E-05
MPI-11-PIC	Deep	PIC-MPI-11~1/23/2003~AA07235~MPI-11~~	1/23/2003	VOC	Vinyl Chloride	75-01-4	7.20E-03		2.0E-03	3.6E+00	1.0E+00	7.2E-03	3.3E+00	2.2E-03
MPI-12	Deep	PIC-MPI-12~1/22/2003~AA07224~MPI-12~~	1/22/2003	VOC	Vinyl Chloride	75-01-4	4.60E-03		2.0E-03	2.3E+00	1.0E+00	4.6E-03	3.3E+00	1.4E-03
MPI-13-PIC	Deep	PIC-MPI-13~1/22/2003~AA07226~MPI-13~~	1/22/2003	VOC	Vinyl Chloride	75-01-4	5.60E-02		2.0E-03	2.8E+01	1.0E+00	5.6E-02	3.3E+00	1.7E-02
MPI-1-PIC	Deep	PIC-MPI-1~1/20/2003~AA07214~MPI-1~~	1/20/2003	VOC	cis-1,2-Dichloroethene	156-59-2	4.80E-01		7.0E-02	6.9E+00	2.0E+02	2.4E-03	8.9E+01	5.4E-03
MPI-1-PIC	Deep	PIC-MPI-1~1/20/2003~AA07214~MPI-1~~	1/20/2003	VOC	Tetrachloroethene	127-18-4	8.80E-01		5.0E-03	1.8E+02	1.2E+01	7.3E-02	1.5E+01	5.8E-02
MPI-1-PIC	Deep	PIC-MPI-1~1/20/2003~AA07214~MPI-1~~	1/20/2003	VOC	Trichloroethene	79-01-6	6.60E-01		5.0E-03	1.3E+02	2.2E+01	3.0E-02	3.1E+01	2.2E-02
MPI-1-PIC	Deep	PIC-MPI-1~1/20/2003~AA07214~MPI-1~~	1/20/2003	VOC	Vinyl Chloride	75-01-4	1.70E-01		2.0E-03	8.5E+01	1.0E+00	1.7E-01	3.3E+00	5.1E-02
MPI-2-PIC	Deep	PIC-MPI-2~1/20/2003~N~MPI-2~~	1/20/2003	VOC	cis-1,2-Dichloroethene	156-59-2	2.40E-01		7.0E-02	3.4E+00	2.0E+02	1.2E-03	8.9E+01	2.7E-03
MPI-2-PIC	Deep	PIC-MPI-2~1/20/2003~N~MPI-2~~	1/20/2003	VOC	Vinyl Chloride	75-01-4	4.00E-01		2.0E-03	2.0E+02	1.0E+00	4.0E-01	3.3E+00	1.2E-01
MPI-3-PIC	Deep	PIC-MPI-3~1/20/2003~AA07215~MPI-3~~	1/20/2003	VOC	cis-1,2-Dichloroethene	156-59-2	7.40E-01		7.0E-02	1.1E+01	2.0E+02	3.7E-03	8.9E+01	8.3E-03
MPI-3-PIC	Deep	PIC-MPI-3~1/20/2003~AA07215~MPI-3~~	1/20/2003	VOC	Vinyl Chloride	75-01-4	7.80E-01		2.0E-03	3.9E+02	1.0E+00	7.8E-01	3.3E+00	2.4E-01
MPI-3-PIC	Deep	PIC-MPI-3~1/20/2003~AA07215~MPI-3~~	1/20/2003	INORG	Zinc	7440-66-6	6.70E+00	DL	5.0E+00	1.3E+00	1.1E+05	6.1E-05		
MPI-4-PIC	Deep	PIC-MPI-4~1/20/2003~N~MPI-4~~	1/20/2003	VOC	cis-1,2-Dichloroethene	156-59-2	1.70E-01		7.0E-02	2.4E+00	2.0E+02	8.5E-04	8.9E+01	1.9E-03
MPI-4-PIC	Deep	PIC-MPI-4~1/20/2003~N~MPI-4~~	1/20/2003	VOC	Tetrachloroethene	127-18-4	1.50E-01		5.0E-03	3.0E+01	1.2E+01	1.3E-02	1.5E+01	9.9E-03
MPI-4-PIC	Deep	PIC-MPI-4~1/20/2003~N~MPI-4~~	1/20/2003	VOC	Trichloroethene	79-01-6	3.40E-02		5.0E-03	6.8E+00	2.2E+01	1.5E-03	3.1E+01	1.1E-03
MPI-4-PIC	Deep	PIC-MPI-4~1/20/2003~N~MPI-4~~	1/20/2003	VOC	Vinyl Chloride	75-01-4	7.50E-02		2.0E-03	3.8E+01	1.0E+00	7.5E-02	3.3E+00	2.3E-02
MPI-5-PIC	Unknown	PIC-MPI-5~1/21/2003~N~MPI-5~~	1/21/2003	VOC	Vinyl Chloride	75-01-4	2.50E-03		2.0E-03	1.3E+00	1.0E+00	2.5E-03	3.3E+00	7.5E-04
MPI-6-PIC	Unknown	PIC-MPI-6~1/20/2003~AA07213~MPI-6~~	1/20/2003	VOC	Tetrachloroethene	127-18-4	1.40E+00		5.0E-03	2.8E+02	1.2E+01	1.2E-01	1.5E+01	9.2E-02
MPI-6-PIC	Unknown	PIC-MPI-6~1/20/2003~AA07213~MPI-6~~	1/20/2003	VOC	Trichloroethene	79-01-6	8.50E-01		5.0E-03	1.7E+02	2.2E+01	3.9E-02	3.1E+01	2.8E-02
MPI-6-PIC	Unknown	PIC-MPI-6~1/20/2003~AA07213~MPI-6~~	1/20/2003	VOC	Vinyl Chloride	75-01-4	1.10E-02		2.0E-03	5.5E+00	1.0E+00	1.1E-02	3.3E+00	3.3E-03
MPI-8	Deep	PIC-MPI-8~1/24/2003~N~MPI-8~~	1/24/2003	VOC	1,1-Dichloroethene	75-35-4	3.40E-02		7.0E-03	4.9E+00	1.1E+01	3.1E-03	2.4E+02	1.4E-04
MPI-8	Deep	PIC-MPI-8~1/24/2003~N~MPI-8~~	1/24/2003	VOC	cis-1,2-Dichloroethene	156-59-2	8.70E-02		7.0E-02	1.2E+00	2.0E+02	4.4E-04	8.9E+01	9.7E-04
MPI-8	Deep	PIC-MPI-8~1/24/2003~N~MPI-8~~	1/24/2003	VOC	Vinyl Chloride	75-01-4	3.80E-02		2.0E-03	1.9E+01	1.0E+00	3.8E-02	3.3E+00	1.1E-02
MPI-9-PIC	Deep	PIC-MPI-9~1/21/2003~N~MPI-9~~	1/21/2003	VOC	Vinyl Chloride	75-01-4	3.00E-01		2.0E-03	1.5E+02	1.0E+00	3.0E-01	3.3E+00	9.0E-02
MW-6-PIC	Unknown	PIC-MW-6~1/27/2003~AA07234~MW-6~~	1/23/2003	P/PCB	PCBs (total)	1336-36-3	1.80E-03	J	5.0E-04	3.6E+00	3.3E-03	5.5E-01	1.7E-01	1.1E-02
OW-11-PIC	Shallow	PIC-OW-11~1/23/2003~N~OW-11~~	1/23/2003	INORG	Lead	7439-92-1	1.30E-02		4.0E-03	3.3E+00				
OW-13-PIC	Shallow	PIC-OW-13~1/20/2003~AA07216~OW-13~~	1/20/2003	VOC	Tetrachloroethene	127-18-4	6.50E-03		5.0E-03	1.3E+00	1.2E+01	5.4E-04	1.5E+01	4.3E-04
OW-14d-PIC	Deep	PIC-OW-14D~1/21/2003~N~OW-14D~~	1/21/2003	VOC	Vinyl Chloride	75-01-4	5.00E-03		2.0E-03	2.5E+00	1.0E+00	5.0E-03	3.3E+00	1.5E-03
OW-14s-PIC	Shallow	PIC-OW-14S~1/21/2003~AA07222~OW-14S~~	1/21/2003	VOC	Tetrachloroethene	127-18-4	1.40E-02		5.0E-03	2.8E+00	1.2E+01	1.2E-03	1.5E+01	9.2E-04
OW-14s-PIC	Shallow	PIC-OW-14S~1/21/2003~AA07222~OW-14S~~	1/21/2003	INORG	Lead	7439-92-1	5.60E-03		4.0E-03	1.4E+00				
OW-15-PIC	Shallow	PIC-OW-15~1/23/2003~N~OW-15~~	1/23/2003	INORG	Lead	7439-92-1	9.70E-03		4.0E-03	2.4E+00				
OW-19-PIC	Shallow	PIC-OW-19~1/21/2003~N~OW-19~~	1/21/2003	VOC	Vinyl Chloride	75-01-4	3.60E-03		2.0E-03	1.8E+00	1.0E+00	3.6E-03	3.3E+00	1.1E-03
OW-22-PIC	Shallow	PIC-OW-22~1/24/2003~AA07238~OW-22~~	1/24/2003	VOC	Tetrachloroethene	127-18-4	5.90E-03		5.0E-03	1.2E+00	1.2E+01	4.9E-04	1.5E+01	3.9E-04
OW-22-PIC	Shallow	PIC-OW-22~1/24/2003~AA07238~OW-22~~	1/24/2003	VOC	1,1,1-Trichloroethane	71-55-6	2.40E-01		2.0E-01	1.2E+00	1.3E+03	1.8E-04	3.5E+03	6.9E-05
OW-23-PIC	Shallow	PIC-OW-23~1/24/2003~AA07239~OW-23~~	1/24/2003	VOC	Tetrachloroethene	127-18-4	7.40E-03		5.0E-03	1.5E+00	1.2E+01	6.2E-04	1.5E+01	4.9E-04
OW-24-PIC	Shallow	PIC-OW-24~1/24/2003~AA07237~OW-24~~	1/24/2003	VOC	1,4-Dichlorobenzene	106-46-7	1.90E-01		7.5E-02	2.5E+00	6.4E+00	3.0E-02	1.8E+01	1.1E-02
OW-25-PIC	Shallow	PIC-OW-25~1/23/2003~AA07230~OW-25~~	1/23/2003	VOC	Tetrachloroethene	127-18-4	4.40E-02		5.0E-03	8.8E+00	1.2E+01	3.7E-03	1.5E+01	2.9E-03
OW-25-PIC	Shallow	PIC-OW-25~1/23/2003~AA07230~OW-25~~	1/23/2003	VOC	Vinyl Chloride	75-01-4	2.30E-01	J	2.0E-03	1.2E+02	1.0E+00	2.3E-01	3.3E+00	6.9E-02
OW-26-PIC	Shallow	PIC-OW-26~1/22/2003~AA07228~OW-26~~	1/22/2003	VOC	Tetrachloroethene	127-18-4	6.30E-02		5.0E-03	1.3E+01	1.2E+01	5.3E-03	1.5E+01	4.2E-03
OW-27-NW-PIC	Shallow	PIC-OW27 NW~1/23/2003~AA07232~OW-27 NW~~	1/23/2003	VOC	Vinyl Chloride	75-01-4	3.90E-03		2.0E-03	2.0E+00	1.0E+00	3.9E-03	3.3E+00	1.2E-03
OW-27-PIC	Shallow	PIC-OW-27~1/23/2003~N~OW-27~~	1/23/2003	VOC	Tetrachloroethene	127-18-4	4.40E-02		5.0E-03	8.8E+00	1.2E+01	3.7E-03	1.5E+01	2.9E-03
OW-27-PIC	Shallow	PIC-OW-27~1/23/2003~N~OW-27~~	1/23/2003	VOC	Vinyl Chloride	75-01-4	1.30E-02		2.0E-03	6.5E+00	1.0E+00	1.3E-02	3.3E+00	3.9E-03
OW-28-PIC	Shallow	PIC-OW-28~1/23/2003~AA07231~OW-28~~	1/23/2003	VOC	Tetrachloroethene	127-18-4	2.60E-01		5.0E-03	5.2E+01	1.2E+01	2.2E-02	1.5E+01	1.7E-02
OW-28-PIC	Shallow	PIC-OW-28~1/23/2003~AA07231~OW-28~~	1/23/2003	VOC	Trichloroethene	79-01-6	7.50E-03		5.0E-03	1.5E+00	2.2E+01	3.4E-04	3.1E+01	2.5E-04

Table C.3: Concentrations Exceeding Screening Criteria in Jan. 2003 Groundwater Data Plymouth Industrial Center, Livonia, MI														
Location	Well Zone	Sample ID	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	MDEQ Industrial Drinking Water Criteria (mg/L)	Ratio of Conc to MDEQ Industrial Drinking Water Criteria	MDEQ Groundwater Contact Criteria (mg/L)	Ratio of Conc to MDEQ Groundwater Contact Criteria	Site-Specific Industrial GW Vapor Intrusion Criteria (mg/L)	Ratio of Conc to Site-Specific Industrial GW Vapor Intrusion Criteria
OW-29-PIC	Shallow	PIC-OW-29~1/22/2003~AA07227~OW-29~~	1/22/2003	VOC	Trichloroethene	79-01-6	6.10E-03		5.0E-03	1.2E+00	2.2E+01	2.8E-04	3.1E+01	2.0E-04
OW-30-PIC	Shallow	PIC-OW-30~1/22/2003~AA07229~OW-30~~	1/22/2003	VOC	Trichloroethene	79-01-6	1.10E-02		5.0E-03	2.2E+00	2.2E+01	5.0E-04	3.1E+01	3.6E-04
OW-31-PIC	Shallow	PIC-OW-31~1/21/2003~AA07220~OW-31~~	1/21/2003	VOC	Tetrachloroethene	127-18-4	8.70E-03		5.0E-03	1.7E+00	1.2E+01	7.3E-04	1.5E+01	5.7E-04
OW-3-PIC	Shallow	PIC-OW-3~1/22/2003~N~OW-3~~	1/22/2003	VOC	Tetrachloroethene	127-18-4	2.90E-01		5.0E-03	5.8E+01	1.2E+01	2.4E-02	1.5E+01	1.9E-02
OW-3-PIC	Shallow	PIC-OW-3~1/22/2003~N~OW-3~~	1/22/2003	VOC	Trichloroethene	79-01-6	1.00E-02		5.0E-03	2.0E+00	2.2E+01	4.5E-04	3.1E+01	3.3E-04
OW-3-PIC	Shallow	PIC-OW-3~1/22/2003~N~OW-3~~	1/22/2003	INORG	Lead	7439-92-1	2.30E-02		4.0E-03	5.8E+00				
OW-5d-PIC	Deep	PIC-OW-5D~1/21/2003~AA07221~OW-5D~~	1/21/2003	VOC	Vinyl Chloride	75-01-4	1.60E-01		2.0E-03	8.0E+01	1.0E+00	1.6E-01	3.3E+00	4.8E-02
OW-5S-PIC	Shallow	PIC-OW-5S~1/21/2003~N~OW-5S~~	1/21/2003	VOC	Tetrachloroethene	127-18-4	1.10E-02		5.0E-03	2.2E+00	1.2E+01	9.2E-04	1.5E+01	7.3E-04
OW-8-PIC	Shallow	PIC-OW-8~1/22/2003~N~OW-8~~	1/22/2003	VOC	Vinyl Chloride	75-01-4	1.90E-01		2.0E-03	9.5E+01	1.0E+00	1.9E-01	3.3E+00	5.7E-02
OW-8-PIC	Shallow	PIC-OW-8~1/22/2003~N~OW-8~~	1/22/2003	INORG	Lead	7439-92-1	5.50E-03		4.0E-03	1.4E+00				