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2018 ANNUAL GROUNDWATER MONITORING REPORT

Pontiac North Campus

January 2019

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Pontiac North Campus

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ACRONYMS AND ABBREVIATIONS

CMS	Site Corrective Measures Study
DCE	dichloroethene
DO	dissolved oxygen
EI	Environmental Indicator
FSP	Field Sampling Plan
GLWA	Great Lakes Water Authority
GMC	General Motors Corporation
GM LLC	General Motors LLC
GMP	Groundwater Monitoring Program
GSI	Groundwater Surface Water Interface
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
MLC	Motors Liquidation Company
NRDWC	non-residential drinking water criteria
NRHBDW	non-residential health-based drinking water
NTU	nephelometric turbidity unit
ORP	oxidation reduction potential
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PNC	Pontiac North Campus
QAPP	Quality Assurance Project Plan
RACER	Revitalizing Auto Communities Environmental Response
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Field Investigation
RDWC	residential drinking water criteria
SSPL	site-specific parameter list
TCE	trichloroethene
TCL	target compound list
TDS	total dissolved solids

USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1 INTRODUCTION

On June 1, 2009, General Motors Corporation (GMC) filed for Chapter 11 protection under the U.S. bankruptcy code. On July 10, 2009 GMC was renamed Motors Liquidation Company (MLC) and on the same day some of the operating assets of GMC, including a portion of the Pontiac North Campus (PNC), were sold to a newly formed company named "General Motors Company". General Motors Company changed its name to General Motors LLC (GM LLC) on October 16, 2009. Assets not sold to GM LLC remained the property of MLC, in its capacity as debtor-in-possession in the bankruptcy case. Effective March 31, 2011, the Revitalizing Auto Communities Environmental Response Trust (RACER) was created through a Bankruptcy Settlement Agreement among MLC, the federal government, 14 states, and the St. Regis Mohawk Tribe. Ownership of MLC properties were transferred to RACER and RACER became responsible for completing remediation of those properties, including a portion of PNC (hereafter referred to as the Site) (Figure 1).

The Site Groundwater Monitoring Program (GMP) was presented as part of the Environmental Indicators (EI) CA 750 determination (ENVIRON 2002). Groundwater samples have been collected from select monitoring wells on either a semi-annual or annual basis since 2002 as part of the GMP to demonstrate that constituent concentrations in groundwater are stable and that migration of contaminated groundwater is not occurring. Since 2002, the GMP has been modified two times based on the results of ongoing Site investigation and monitoring activities. On October 30, 2009, MLC and GM LLC jointly submitted a request to the U.S. Environmental Protection Agency (USEPA) to modify the Site GMP, which USEPA approved on November 23, 2009 via email (Appendix A). On August 27, 2018, RACER submitted a request to the USEPA to modify the Site GMP, which USEPA approved on September 17, 2018 via email (Appendix B).

A groundwater restriction ordinance prohibiting the use of groundwater wells was adopted by the City of Pontiac on August 16, 2013 for the RACER PNC Site and the area downgradient of the Site. Existing and planned deed restrictions do restrict, and will further restrict, use of onsite groundwater for any purpose. PNC property parcels sold by RACER include restrictions on groundwater use and prohibit the installation of groundwater wells.

Beginning with the annual event in 2009, the original sub-set of eight monitoring wells sampled are located on and immediately downgradient from RACER-owned property and are listed below.

Shallow Saturated Zone	
MW-40-99	MWM16-21 (MWM16-30 added as replacement - 2017)
MWF1R	MWM16-43 (MWM16-37 added as replacement - 2016)
MWF7-01	MWW1-04
MWF12-01	MWW10-03

During the 2013 annual groundwater sampling event, it was discovered that monitoring well MWM16-43 was damaged and no longer suitable for sampling. Monitoring well MWM16-43 is located south of Columbia Ave near the former Plant 15. Monitoring well MWM16-37 located just north and east of

MWM16-43, was proposed as an alternative sampling location as the screens for both wells are set at the same depth and monitor the same groundwater unit.

During the 2017 well inventory event, monitoring well MWM16-21 could not be located. Monitoring well MWM16-21 was located north of Columbia Ave near the former Plant 25. The well appears to have been paved/concreted over during parking lot resurfacing completed by the current property owner. The closest well to MWM16-21 undamaged and with similar screen depths was MWM16-30 located southeast of MWM16-21. This well, in addition to eight other wells listed in the table below, have similar screened intervals and were added to the sampling list to better characterize groundwater quality in the Fiero area and to delineate previous vinyl chloride exceedances upgradient and adjacent to MWM16-37.

Additional Shallow Saturated Zone Wells	
MWF8-01	MWF12-02
MWM31-02	MWM32-01
MWM16-29	MWM16-02
MWM16-31	MWM16-36

The objective of the 2018 GMP modification was to incorporate recommended analysis and/or gauging of certain monitoring wells based on the results of continued investigation activities and recommendations pertaining to proposed corrective measures being implemented at the Site. Modifications were also based on the results of groundwater investigation activities for 1,4-dioxane and volatile organic compounds (VOCs) at the southwestern Fiero boundary.

The following modifications were proposed and accepted:

2018 GMP Modification	Basis
Add MW-02-17 in lieu of MWF1R; add MW-16-23 and MW-16-25, and newly installed MW-05-18	Monitor trends in VOCs and 1,4-dioxane concentrations
Add monitoring wells MWF7-02, MWF16-06, MW-01-17, TW-MD-01 and TW-MD-07 for gauging and sampling for VOCs/1,4-dioxane. Add 1,4-dioxane to the list of analytical parameters for MWF12-01, MWW01-SEN03, MWW1-04, MW40-99, and TW-10-02, and add VOCs to the list of analytical parameters for MWOS-01.	
Add gauging of SB-08-14, SB-25-14, SB-43-14 and maintain gauging of MWW8-65 and TWW8-01.	Ongoing Light Non-Aqueous Phase Liquid (LNAPL) investigation and testing activities

2018 GMP Modification	Basis
Maintenance of gauging for TW-01-03, TW-10-01, and TW-10-02, and expansion of analysis parameters for MWW01-SEN03, MWW01-SEN04, MWW5-01, TW-09-01, MWW10-SEN02	Modifications from the Montcalm Seep Interim Measures Work Plan to incorporate baseline (2018) and future annual monitoring requirements
Addition of INJ-01-17, INJ-02-18, MW-03-17, MW-04-17, TW-MD-01, TW-MD-02, TW-MD-03, TW-MD-04, TW-MD-05, TW-MD-06, TW-MD-07, and MWW1-15 to include gauging and sampling for specified parameters.	
Remove MWF16-17, MWW8-34, MWW8-45, MWW8-48, RWW8-119, RWW8-124, RWW8-125, RWW8-130, RWW8-131, RWW8-132, TWM2-04, TWMW-05, MWM16-15 and MWM16-45 from annual gauging. Remove MWF1R, MWM16-29, and MWM16-36 from annual gauging and sampling, and remove annual analysis of VOCs and inorganics from monitoring well MWF12-01.	Based on a combination of past analytical results and the availability of data from other nearby monitoring wells and due to complications related to accessibility

The following sections of this report summarize the procedures used to complete the groundwater sampling and the analytical results for the groundwater samples collected during this event.

2 GROUNDWATER SAMPLING PROCEDURES

2.1 Water Level Measurements

Groundwater and LNAPL level measurements were recorded from selected monitoring wells on October 1 through 5, 2018 in accordance with procedures outlined in the Field Sampling Plan (FSP) of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan (EEC 2001a) and Quality Assurance Project Plan (QAPP; EEC 2001b). Groundwater and LNAPL levels were measured to the nearest 0.01 foot with an oil/water interface probe. Groundwater elevations were calculated using surveyed top-of-well casing elevations. Equivalent groundwater elevations were calculated for wells where LNAPL was present. A summary of water levels and groundwater elevations is presented in Table 1.

2.2 Groundwater Sample Collection

Groundwater samples were collected using low-flow sampling procedures, as presented in the FSP and QAPP on October 1 through October 5, 2018. The procedures presented in the FSP are taken from the Low-Stress (or Low-Flow) Purging and Sampling Procedure (USEPA 1996), which is the USEPA Region V standard method for collecting low-stress/low-flow groundwater samples from monitoring wells.

During sampling, purge water was monitored for dissolved oxygen (DO), temperature, specific conductivity, turbidity, oxygen reduction potential (ORP), and pH. These water quality measurements were used to determine groundwater sample stability prior to collection of the groundwater samples.

Groundwater samples were collected and submitted to Merit Laboratories, Inc. in Lansing, MI for analysis of target compound list (TCL) volatile organic compounds (VOCs) using USEPA Method 8260B, 1,4-dioxane using USEPA Method 8260B-SIMs, polychlorinated biphenyls (PCBs) using USEPA Method E608.3 and select site-specific parameter list (SSPL) metals using USEPA Methods E200.8 and E245.1. Selected groundwater samples were also analyzed for geochemical parameters including: calcium and magnesium utilizing USEPA method E200.8, alkalinity utilizing standard method SM2320B, hardness utilizing standard method SM2340C, and dissolved and suspended solids utilizing standard methods SM2540C/D.

Due to limited sample volume produced from monitoring well MWW10-SEN02, the well was sampled on October 5, 2018 as well as November 29, 2018 to collect remaining constituents including PCBs and geochemistry data. Monitoring well MWM16-30 could neither be gauged nor sampled for the 2018 groundwater monitoring event as it was covered by a large rock pile.

3 GROUNDWATER SAMPLING RESULTS

3.1 Groundwater Elevation

Groundwater elevations from unconfined water table zone monitoring wells (screened across the water table) were used to create a shallow groundwater potentiometric surface map (Figure 2). Monitoring wells included within the shallow unconfined unit are generally screened within fill material and/or glacial outwash deposits comprised primarily of sands and gravels across the Site. Apparent shallow groundwater flow across the Site and the adjacent GM LLC property is generally to the south and southwest; however, subsurface features (e.g., sewer lines, other man-made features, and re-worked native and fill material) may create localized effects (groundwater mounds or depressions). Due to the predominance of these localized effects in the vicinity of the parking lot north of the USPS building, it appears that groundwater elevations in this area are not representative of general Site hydrology and were not used to create contours on Figure 2. In general, since the Storm Sewer Bulkheading Event in 2012, the groundwater levels have increased up to 5 feet in the area downgradient of the former Plant 14 bulkhead locations. Groundwater elevation data will continue to be evaluated as part of the groundwater monitoring program to monitor potential changes in groundwater flow direction.

3.2 Analytical Results

Groundwater data were compared to select criteria from the Michigan Department of Environmental Quality (MDEQ) Clean Up Criteria Requirements Table 1: Groundwater: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, January 10, 2018; GSI Protection criteria updated June 25, 2018 (MDEQ 2018). The select criteria used to evaluate groundwater quality at the Site include residential and non-residential drinking water criteria (RDWC and NRDWC), groundwater surface water interface criteria (GSI), non-residential health-based drinking water values (NRHBDW), and residential and non-residential groundwater volatilization to indoor air inhalation criteria. A summary of the October 2018 annual sampling groundwater analytical data is included in Table 2 and presented on Figure 3. Note that analytical parameters which are listed on Figure 3 include only those parameters where a regulatory exceedance of promulgated criteria for RDWC, NRDWC, GSI, and/or NRHBDW exists anytime from the timeframe from 2014-2018. No groundwater analytical results have exceeded applicable groundwater volatilization criteria. Therefore, no such criteria or exceedances are referenced on Figure 3.

A complete list of test results in 2018 for other target parameters which were tested and either not detected or detected at concentrations below specified criteria are listed in Table 2. To the extent that exceedances are realized in future years or promulgated criteria change rendering additional exceedances, additional parameters will be added to the analytical databox figure in future reports as relevant. A summary of groundwater analytical data from historical sampling events dating from 2001 through 2017 is included in Appendix C.

It should be noted that the criteria used for comparison include those designed to be protective of potential exposures via drinking water use and groundwater interfacing with surface water and are conservative for evaluating the groundwater data from the shallow and intermediate saturated zones at the Site. The criteria are being used to provide a point of reference for detected constituents. The Site and the immediate vicinity obtain potable water from the Great Lakes Water Authority (GLWA) and do not rely on local groundwater as a drinking water supply. In addition, a groundwater restriction ordinance prohibiting

the use of groundwater wells was adopted by the City of Pontiac on August 16, 2013 for the Site and the area downgradient of the Site. Therefore, groundwater with constituent concentrations higher than these generic screening criteria does not indicate that the groundwater poses unacceptable risks given the existing or planned groundwater use restrictions.

The RFI Supplemental Report No. 1 (EEC 2003) concluded that residential drinking water use was not a current or reasonably expected future use of the shallow and intermediate groundwater at the Site or in the area given the current groundwater ordinance. However, groundwater at the Site does have the potential to migrate off site based on the interpreted southwesterly groundwater flow direction. Due to the potential for off-site migration, RDWC, NRDWC, and GSI are used for screening data near the downgradient property boundary.

The October 2018 groundwater data, presented in Table 2 and on Figure 3, have been compared to RDWC, NRDWC, GSI, and NRHBDW as a frame of reference for the evaluation of groundwater quality near the downgradient property boundary. Although there are groundwater concentrations throughout the Site which exceed applicable criteria, a groundwater ordinance, planned and existing groundwater use restrictions, and the Montcalm seep re-injection system will prevent unacceptable risk due to these exceedances. To that objective, the results and conclusions of the 2018 groundwater monitoring event described below are consistent with previous year's events and aligned with proposed corrective measures at the Site.

The following is a summary of the October 2018 groundwater sample results:

VOCs

- The concentrations of vinyl chloride detected in monitoring well MWM16-37 (0.003 milligrams per liter (mg/L)) exceeds the RDWC or NRDWC of 0.002 mg/L. As previously indicated, monitoring well MWM16-30, which replaced MWM16-21 in 2017, was scheduled to be sampled in October 2018, but was inaccessible due to a large rock pile. The concentration of vinyl chloride at MWM16-21 (0.003 mg/L) did exceed the RDWC or NRDWC in 2016 but was not detected at MWM16-30 above the 0.001 mg/L detection limit in 2017.
- The concentrations of TCE detected in monitoring wells MWF16-06 (0.012 mg/L) and MWM16-23 (0.015 mg/L) exceed the RDWC and NRDWC of 0.005 mg/L. It is also noted that MWM16-30 had a TCE concentration of 0.015 mg/L in 2017 which exceeded the RDWC and NRDWC, but as previously described was unable to be sampled in 2018.
- The concentrations of 1,1-dichloroethene (DCE) detected in monitoring wells MWF7-02 (0.011 mg/L) and MWF16-06 (0.009 mg/L) exceed the RDWC and NRDWC of 0.007 mg/L.
- The concentrations of 1,4-dioxane detected in monitoring wells MW-02-17 (0.021 mg/L), MWF16-06 (0.015 mg/L), MWW01-SEN03 (0.026 mg/L), and TW-10-02 (0.045 mg/L) exceed the RDWC of 0.0072 mg/L. The concentration of 1,4-dioxane in monitoring well MWF7-02 (0.500 mg/L) also exceeds the RDWC, as well as the NRDWC and GSI criterion of 0.35 mg/L and 0.28 mg/L, respectively.
- The concentrations of tetrachloroethene (PCE) detected in monitoring wells MW-02-17 (0.006 mg/L) and MWF7-02 (0.034 [0.033] mg/L) exceed the RDWC and NRDWC of 0.005 mg/L. The concentration

in monitoring well MWF16-06 (0.070 mg/L) also exceeds the RDWC and NRDWC, as well as the GSI criterion of 0.06 mg/L.

- Monitoring well MWF16-06 also contains a concentration of 1,1,1-trichloroethane (0.163 mg/L) which exceeds the GSI criterion of 0.089 mg/L as well as a concentration of carbon tetrachloride (0.014 mg/L) which exceeds the RDW and NRDWC of 0.005 mg/L.

PCBs

- Monitoring well MWW01-SEN04 contained a PCB concentration (0.0002 [0.0001] mg/L) which is equal to the GSI criterion. The turbidity of the PCB samples collected from the monitoring well was 13.2 nephelometric turbidity units (NTUs).

Inorganics

- The concentrations of total manganese detected at the following monitoring wells exceed the aesthetic RDWC and NRDWC of 0.05 mg/L: INJ-01-17, INJ-02-18, MW-03-17, MW-04-17, MWW1-15, MWW01-SEN03, MWW01-SEN04, MWW5-01, MWW10-03, MWW10-SEN02, TW-09-01, MWF12-02, and TW-MD-01 through TW-MD-07. Concentrations ranged from 0.201 to 1.16 mg/L. The turbidity of the samples from monitoring wells ranged from 0.51 to 8.92 NTUs, with the exception of MWW01-SEN03 which had a turbidity of 141 which is an outlying data value and anticipated to be elevated due to bailing.
- The concentrations of total iron detected at the following monitoring wells exceed the aesthetic RDWC and NRDWC of 0.3 mg/L: INJ-01-17, INJ-02-18, MWW1-15, MWW01-SEN03, MWW01-SEN04, MWW5-01, MWW10-SEN02, TW-09-01, and TW-MD-01 through TW-MD-07. Concentrations ranged from 0.36 to 24.9 mg/L. Concentrations of total iron at the following wells also exceeded the NRHBDW value of 5.6 mg/L: MWW1-15, MWW01-SEN03, MWW01-SEN04, MWW10-SEN02, and TW-MD-01 through TW-MD-07.
- The concentrations of total vanadium detected at monitoring wells MWW01-SEN03 (0.007 mg/L), MWW10-SEN02 (0.021 mg/L) and MWW1-04 (0.016 [0.015] mg/L) were higher than the RDWC of 0.0045 mg/L but lower than the NRDWC of 0.062 mg/L.
- The concentrations of total chromium detected at monitoring wells MWW01-SEN03 (0.029 mg/L) and MWW10-SEN02 (0.053 mg/L) exceed the GSI criterion of 0.011 mg/L. In addition, the concentrations of total copper detected at monitoring wells MWW01-SEN03 (0.016 mg/L) and MWW10-SEN02 (0.054 mg/L) exceed the GSI criterion of 0.013 mg/L.
- The concentrations of total lead detected at monitoring wells MWW01-SEN03 (0.011 mg/L) and MWW10-SEN02 (0.012 mg/L) exceed the RDWC and NRDWC of 0.004 mg/L.
- The concentration of total nickel at monitoring well MWW10-SEN-02 (0.128 mg/L) exceeds the RDWC and NRDWC of 0.1 mg/L. In addition, the concentration of total arsenic at monitoring well TW-09-01 (0.02 mg/L) exceeds the GSI criterion of 0.1 mg/L.

pH

- Monitoring wells MWF7-02 and MWF8-01 exhibited slightly low pH readings of 5.91 and 5.56, respectively. MWW1-04 exhibited an elevated pH reading of 11.46. The pH readings from the remaining wells sampled in October 2018 were within the RDWC and NRDWC pH range of 6.5 to 8.5.

Total Dissolved Solids

- All monitoring wells sampled for Total Dissolved Solids (TDS) exceeded the RDWC, NRDWC, and GSI criterion of 500 mg/L. This includes the following monitoring wells: INJ-01-17, INJ-02-18, MW-03-17, MW-04-17, MWW1-15, MWW01-SEN03, MWW01-SEN04, MWW5-01, MWW10-SEN02, TW-09-01, and TW-MD-01 through TW-MD-07. TDS concentrations ranged from 532 to 1,910 mg/L.

4 TRENDS AND CONCLUSIONS

4.1 Evaluation of Trends

Select key constituents detected in numerous events were graphed to allow for evaluation of trends in concentration over time. These graphs are presented in Appendix D. Identified trends are as follows:

- The concentration of total manganese in monitoring well MWW10-03 appears to be stable. The concentration of total manganese in MWF12-02 appears to be decreasing. Although concentrations in both wells exceed the RDWC and NRDWC, they are both currently remain below the health-based NRDWC of 2.5 mg/L.
- The concentrations of total PCBs in monitoring well MWW1-04 have fluctuated over time but show an overall downward trend. Concentrations have remained below the NRDWC and RDWC of 0.0005 mg/L since 2014. The concentration of total PCBs in monitoring well MWW01-SEN04 are equal to the RDWC and NRDWC. However, no exceedances of total PCBs are observed down gradient of MWW01-SEN04. Given that this well was just added to the GMP, no trend data for this well is available at this time.
- The elevated pH of groundwater in MWW1-04 have consistently exceeded the RDWC and NRDWC pH range of 6.5 to 8.5 since 2003. The overall pH trend at this well has remained stable.
- The concentration of total vanadium in monitoring well MWW1-04 has fluctuated over time but shows an overall decreasing trend. The concentrations of vanadium in MWW1-04 have remained lower than the NRDWC of 0.062 mg/L since 2011.
- The concentration of vinyl chloride in well MWM16-21 exceeded RDWC and NRDWC of 0.002 mg/L for the first time in 2016. No vinyl chloride was detected in MWM16-30 in 2017 when it replaced MWM16-21, and it was inaccessible during the 2018 sampling event. The concentration of vinyl chloride in MWM16-37 continues to exceed RDWC/NRDWC; however, the concentrations are decreasing over time.
- As depicted in Figure 3, multiple wells across the site which were sampled under the GMP for the first time in 2018 exceed identified drinking water and GSI criteria for select VOCs and inorganics, as well as TDS. Trend data is not yet available for these wells due to the limited data set.

4.2 Conclusions

Conclusions of the 2018 groundwater monitoring event are summarized below, and are consistent with previous year's events and aligned with proposed corrective measures at the Site:

- In the northern portion of the Site within the former Plant 15 and 25 property boundaries, VOC concentration exceedances (vinyl chloride and TCE) have been identified at three well locations: MWM16-21 and MWM16-30 (last sampled in 2017), and MWM16-37. Vinyl chloride in this area appears to slowly migrate downgradient from the former Plant 25 property across Columbia Avenue and onto the former Plant 15 property to the south. However, there remain no detections of VOCs at two other well locations further downgradient on the former Plant 15 property MWM31-02 and MWM32-01.
- Several wells contain detections of VOCs within the Former Fiero portion of the Site as well as the southern portion of the Site west of Saginaw Street. VOCs detected include 1,1,1-trichloroethane, carbon tetrachloride, DCE, PCE, TCE, and 1,4-dioxane. In most cases, on-site wells downgradient of these locations do not exceed applicable criteria. Although wells along the southern Former Fiero boundary including MWF16-23 and MW-02-17 contain concentrations of TCE and/or PCE and 1,4-dioxane, downgradient off-site wells do not contain any VOCs which exceed criteria.
- The pH of groundwater at MWW1-04 has continued to exceed the RDWC and NRDWC pH range of 6.5 to 8.5 since 2003. A Notice of Migration was submitted to the MDEQ and the City of Pontiac in February 2006 for the potential migration of groundwater exhibiting high pH offsite. However, no high pH levels have been detected downgradient of MWW1-04. This includes pH data from MWW1-06 from 2003-2008 (Appendix C) and from MWOS-03 from the in 2016. All pH results from these downgradient locations fell within the 6.5 to 8.5 range, indicating this characteristic is localized. The uppermost portion of the well at MWW1-04 is screened across brick and gravel fill material which may attribute to the elevated pH at this location.
- Inorganic concentration exceedances, including manganese and vanadium, have been found in one well location (MWF12-02) along the Fiero downgradient property boundary just south of the former coal storage area and in one well location (MWW1-04) along the southern property boundary just west of Saginaw Street and adjacent to Montcalm Street. Manganese concentrations in MWF12-02 appear to be decreasing over time. Concentrations of vanadium in MWW1-04 are generally just above RDW criteria. A number of monitoring wells within the Site as well as near the southern property boundary along Montcalm Street contain inorganic and TDS concentrations which exceed applicable criteria.

As previously indicated, the Site and the immediate vicinity obtain potable water from the Great Lakes Water Authority (GLWA) and do not rely on local groundwater as a drinking water supply. In addition, a groundwater restriction ordinance prohibiting the use of groundwater wells was adopted by the City of Pontiac on August 16, 2013 for the Site and the area downgradient of the Site. Therefore, groundwater with constituent concentrations higher than the generic drinking water screening criteria does not indicate that the groundwater poses unacceptable risks given the existing or planned groundwater use restrictions.

Groundwater samples contained no concentrations that exceeded applicable volatilization to indoor air criteria, and therefore the vapor intrusion pathway is not applicable.

With the exception of TDS, other GSI exceedances in on-site wells are delineated by downgradient on-site wells which do not contain constituents that exceed GSI. TDS exceed GSI criteria along the southern property boundary north of Montcalm Street. However, the Montcalm seep re-injection system will be utilized to mitigate the potential for groundwater impacted by this constituent daylighting to the ground

surface and eventually entering the City of Pontiac storm sewer system and eliminate the GSI exposure pathway.

These results continue to support USEPA's 2004 CA750 determination that migration of contaminated groundwater is under control for the Pontiac North Facility and the 2017 CA750 determination that migration of contaminated groundwater is under control for the former Pontiac Fiero Assembly Facility. With implementation of the Montcalm seep re-injection system being completed, there are currently no additional recommendations for further action related to these results other than to continue with the planned groundwater deed restrictions and complete monitoring next year, except if modified by approval from USEPA.

Upon approval of the Corrective Measures Study (CMS), the groundwater monitoring program will be finalized, and any needed additional deed restrictions will be reviewed with USEPA and recorded. The revised groundwater monitoring program will include monitoring points, parameters, duration, and monitoring objectives to maintain groundwater compliance supporting achievement of RCRA Corrective Action Complete with Controls.

5 REFERENCES

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TABLES

Table 1
Groundwater Elevation Summary, October 2018
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

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Well ID	Well Elevation [1]	Depth to Water (ft)	Depth to LNAPL (ft)	Total Depth (ft)	Groundwater Elevation	LNAPL Thickness (ft)	Equivalent Groundwater Elevation [2]
OFFSITE							
MWOS-01	943.79	7.48	--	12.98	936.31	--	--
MWOS-02	943.46	7.19	--	15.37	936.27	--	--
MWOS-03	944.35	7.76	--	18.15	936.59	--	--
MWOS-04	942.52	4.16	--	12.91	938.36	--	--
MWOS-06	944.01	0.46	--	12.90	943.55	--	--
FIERO							
F-7							
MWF7-02	970.58	19.96	--	28.51	950.62	--	--
F-8							
MWF8-01	972.94	18.77	--	27.65	954.17	--	--
F-12							
MWF12-01	965.39	17.57	--	27.60	947.82	--	--
MWF12-02	966.81	18.56	--	27.69	948.25	--	--
F-16							
MWF16-10	973.57	20.01	--	31.00	953.56	--	--
MWF16-11	973.36	20.05	--	27.62	953.31	--	--
MWF16-05	973.68	20.81	--	24.18	952.87	--	--
MWF16-06	973.77	11.15	--	28.70	962.62		
MWF16-16	973.22	22.87	--	31.30	950.35	--	--
MWF16-23	973.39	24.31	--	30.50	949.08	--	--
MWF16-25	975.24	26.39	--	37.29	948.85	--	--
MW-02-17	972.52	26.24	--	29.75	946.28	--	--
MW-05-18	NS	27.60	--	33.50	NA	--	--
PONTIAC SCHOOL BOARD PROPERTY							
MWPS-02	942.30	3.69	--	13.30	938.61	--	--
DEMOLITION AREA							
W-1							
MWW01-SEN03	981.67	39.01	--	48.04	942.66	--	--
MWW01-SEN04	971.12	27.51	--	37.90	943.61	--	--
MWW1-04	947.49	8.73	--	16.35	938.76	--	--
MWW1-06	943.63	6.47	--	14.35	937.16	--	--
MW-40-99	952.32	9.45	--	18.31	942.87	--	--
MW-01-17	949.40	6.75	--	10.75	942.65		
TW-01-01	972.95	29.43	26.10	30.02	943.52	3.33	946.45
TW-01-02	973.38	21.19	--	21.49	952.19	--	--
TW-01-03	969.06	15.65	--	23.10	953.41	--	--
SB-43-14	969.90	21.56	21.27	30.30	948.34	0.29	948.60
W-5							
MWW5-01	970.57	18.07	--	24.75	952.50	--	--
W-8							
TW-03-01	970.48	20.62	20.51	33.33	949.86	0.11	949.96
MWW8-36	968.62	16.55	trace	24.66	952.07	--	--
MWW8-65	969.62	34.61	27.77	35.15	935.01	6.84	941.03
RWW8-129	966.71	16.86	15.91	33.47	949.85	0.95	950.69
RWW8-133	966.34	17.11	15.61	32.85	949.23	1.50	950.55
TW-11-01	969.28	10.95	5.09	17.88	958.33	5.86	963.49
TW-11-02	970.38	8.61	5.30	19.30	961.77	3.31	964.68
TW-09-01	970.01	17.15	17.07	23.29	952.86	0.08	952.93
TW-10-01	971.91	20.68	--	32.78	951.23	--	--
TW-10-02	971.83	18.28	--	35.29	953.55	--	--
TWW8-01	969.37	32.06	23.82	32.51	937.31	8.24	944.56

See Notes on last page.

Table 1
Groundwater Elevation Summary, October 2018
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

ARCADIS Design & Consultancy for natural and built assets

Well ID	Well Elevation [1]	Depth to Water (ft)	Depth to LNAPL (ft)	Total Depth (ft)	Groundwater Elevation	LNAPL Thickness (ft)	Equivalent Groundwater Elevation [2]
W-10							
MWW10-03	958.20	9.84	--	13.70	948.36	--	--
MWW10-SEN01	967.31	18.99	--	22.50	948.32	--	--
MWW10-SEN02	967.68	25.82	--	28.34	941.86	--	--
SB-25-14	966.21	16.85	16.73	20.31	949.36	0.12	949.46
SB-08-14	967.38	21.87	13.76	23.70	945.51	8.11	952.65
MFD							
M-2							
MWM2-22	970.82	17.20	--	24.33	953.62	--	--
MWM2-28	971.07	16.89	--	25.81	954.18	--	--
MWM2-37	970.52	48.57	--	66.75	921.95	--	--
M-4							
MWM4-05	985.70	8.47	--	23.06	977.23	--	--
MWM4-06R	961.10	6.80	--	22.40	954.30	--	--
M-5							
MWM5-02	977.07	17.85	--	27.33	959.22	--	--
MWM5-03	978.78	21.09	--	33.70	957.69	--	--
M-16							
MWM16-02	979.83	22.34	--	28.62	957.49	--	--
MWM16-30	985.37	CNL - covered by rock pile			NA	--	--
MWM16-31	981.08	23.08	--	33.51	958.00	--	--
MWM16-37	980.37	22.88	--	35.27	957.49	--	--
M-31/M-32							
MWM31-02	983.64	26.65	--	38.15	956.99	--	--
MWM32-01	983.64	27.03	--	35.05	956.61	--	--
Montcalm							
INJ-01-17	965.12	10.81	--	34.58	954.31	--	--
INJ-02-18	NS	15.29	--	40.10	NA	--	--
MW-03-17	964.77	10.38	--	21.90	954.39	--	--
MW-04-17	965.18	10.93	--	24.88	954.25	--	--
TW-MD-01	946.20	3.52	--	10.29	942.68	--	--
TW-MD-02	945.98	3.40	--	11.90	942.58	--	--
TW-MD-03	946.60	3.39	--	11.90	943.21	--	--
TW-MD-04	946.98	3.75	--	12.60	943.23	--	--
TW-MD-05	946.71	3.53	--	13.34	943.18	--	--
TW-MD-06	947.08	3.70	--	16.86	943.38	--	--
TW-MD-07	947.08	3.21	--	14.82	943.87	--	--
MWW1-15	951.37	9.03	--	18.40	942.34	--	--

Notes:

Water levels collected on October 1 - 5, 2018.

Abbreviations:

CNL	Could not locate
ft	Feet
LNAPL	Light non-aqueous phase liquid
NA	Not applicable
NM	Not measured
NS	Well has not been surveyed

Footnotes:

[1] Top of Casing Elevation is in feet National Vertical Geodetic Datum (1988)

[2] The equivalent groundwater (GW) elevation is calculated where LNAPL is present using the LNAPL surface elevation, the thickness of LNAPL and the approximate specific density of the LNAPL (0.88). This specific density is most representative of LNAPL samples collected at the Site. The calculation is as follows:

Equivalent GW elevation = LNAPL surface elevation - ((1-specific density of the LNAPL) x LNAPL thickness)

Table 2
Summary of Groundwater Analytical Results
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	INJ-01-17 10/02/18 INJ-01-17_GW-100218	INJ-02-18 10/02/18 INJ-02-18_GW-100218	MW-01-17 01/15/18 MW-01-17_GW-011518	MW-01-17 10/03/18 MW-01-17_GW-100318	MW-02-17 01/15/18 MW-02-17_GW-011518	MW-02-17 10/02/18 MW-02-17_GW-100218	MW-03-17 10/02/18 MW-03-17_GW-100218	MW-04-17 10/02/18 MW-04-17_GW-100218	MW-05-18 10/01/18 MW-05-18_GW-100118
Field Parameters																
pH	- -	- -	- -	- -	- -	- -	SU	7.06	7.12	7.35			6.73	7.02	7.07	6.81
Turbidity	- -	- -	- -	- -	- -	- -	NTU	1.43	1.43	2.78			5.84	8.46	2.45	5.23
PCBs																
Aroclor-1016	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Aroclor-1221	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Aroclor-1232	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Aroclor-1242	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Aroclor-1248	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Aroclor-1254	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Aroclor-1260	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Total PCBs	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U	NA	NA	NA	NA	0.0001 U	0.0001 U	NA
Volatile Organics																
m&p-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]
Acetone	0.73	2.1	1.7	- -	*1,000,000*	1,000,000	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U [0.05 U]
Benzene	0.005	0.005	0.2	- -	*5.6*	35	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Bromodichloromethane	0.08	0.08	- -	- -	*4.8*	37	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Bromoform	0.08	0.08	- -	- -	*470*	3,100	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Bromomethane	0.01	0.029	0.005	- -	*4*	9	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
2-Butanone	13	38	2.2	- -	*240,000*	240,000	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U [0.025 U]
Carbon Disulfide	0.8	2.3	- -	- -	*250*	550	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
Carbon Tetrachloride	0.005	0.005	0.038	- -	*0.37*	2.4	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
CFC-11	2.6	7.3	- -	- -	*1,100*	1,100	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
CFC-12	1.7	4.8	- -	- -	*220*	300	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
Chlorobenzene	0.1	0.1	0.025	- -	*210*	470	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Chlorodibromomethane	0.08	0.08	- -	- -	*14*	110	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
Chloroethane	0.43	1.7	1.1	- -	*5,700*	5,700	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
Chloroform	0.08	0.08	0.35	- -	*28*	180	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Chloromethane	0.26	1.1	- -	- -	*8.6*	45	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
Cyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,2-Dibromo-3-chloropropane	0.0002	0.0002	- -	- -	*0.22*	1.2	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
1,2-Dibromoethane	0.00005	0.00005	0.0057	- -	*2.4*	15	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,2-Dichlorobenzene	0.6	0.6	0.013	- -	*160*	160	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,3-Dichlorobenzene	0.0066	0.019	0.028	- -	*18*	41	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,4-Dichlorobenzene	0.075	0.075	0.017	- -	*16*	74	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,1-Dichloroethane	0.88	2.5	0.74	- -	*1,000*	2,300	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.002	0.002	0.001 U	0.001 U	0.004 [0.004]
1,2-Dichloroethane	0.005	0.005	0.36	- -	*9.6*	59	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,1-Dichloroethene	0.007	0.007	0.13	- -	*0.2*	1.3	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
cis-1,2-Dichloroethene	0.07	0.07	0.62	- -	*93*	210	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.006 [0.006]
trans-1,2-Dichloroethene	0.1	0.1	1.5	- -	*85*	200	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Dichloromethane	0.005	0.005	1.5	- -	*220*	1,400	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
1,2-Dichloropropane	0.005	0.005	0.23	- -	*16*	36	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Ethylbenzene	0.074	0.074	0.018	**0.7**	*110*	170	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Isopropylbenzene	0.8	2.3	0.028	- -	*56*	56	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Methyl acetate	- -	- -	- -	- -	- -	- -	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]
Methyl N-Butyl Ketone	1	2.9	- -	- -	*4,200*	8,700	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U [0.05 U]
Methylcyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
4-Methyl-2-pentanone	1.8	5.2	- -	- -	*20,000*	20,000	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U [0.05 U]
Methyl tert-butyl ether	0.04	0.04	7.1	**0.69**	*47,000*	47,000	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
Styrene	0.1	0.1	0.08	- -	*170*	310	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	- -	*12*	77	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Tetrachloroethene	0.005	0.005	0.06	- -	*25*	170	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.011	0.006	0.001 U	0.001 U	0.001 U [0.001 U]
Toluene	0.79	0.79	0.27	**1**	*530*	530	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
1,2,4-Trichlorobenzene	0.07	0.07	0.099	- -	*300*	300	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]
1,1,1-Trichloroethane	0.2	0.2	0.089	- -	*660*	1,300	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.008	0.006	0.001 U	0.001 U	0.004 [0.004]
1,1,2-Trichloroethane	0.005	0.005	0.33	- -	*17*	110	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Trichloroethene	0.005	0.005	0.2	- -	*2.2*	4.9	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.002	0.002	0.001 U	0.001 U	0.001 U [0.001 U]
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	- -	*170*	170	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Vinyl Chloride	0.002	0.002	0.013	- -	*1.1*	13	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
o-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]
Total Xylenes	- -	- -	- -	**10**	*190*	190	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

ARCADIS Design & Consultancy for natural and built assets

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	INJ-01-17 10/02/18 INJ-01-17_GW-100218	INJ-02-18 10/02/18 INJ-02-18_GW-100218	MW-01-17 01/15/18 MW-01-17_GW-011518	MW-01-17 10/03/18 MW-01-17_GW-100318	MW-02-17 01/15/18 MW-02-17_GW-011518	MW-02-17 10/02/18 MW-02-17_GW-100218	MW-03-17 10/02/18 MW-03-17_GW-100218	MW-04-17 10/02/18 MW-04-17_GW-100218	MW-05-18 10/01/18 MW-05-18_GW-100118
Volatile Organics-SIM																
1,4-Dioxane	0.0072	0.35	0.28	- -	- -	- -	mg/L	NA	NA	0.003 U	0.001 U	0.019	0.021	NA	NA	0.002 [0.002]
Inorganics																
Antimony	0.006	0.006	0.13	- -	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Arsenic	0.01	0.01	0.01	- -	- -	- -	mg/L	0.002 U	0.007	NA	NA	NA	NA	0.002 U	0.002 U	NA
Barium	2	2	0.67	- -	- -	- -	mg/L	0.048	0.163	NA	NA	NA	NA	0.047	0.06	NA
Beryllium	0.004	0.004	0.0067	- -	- -	- -	mg/L	0.001 U	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	NA
Cadmium	0.005	0.005	0.0025	- -	- -	- -	mg/L	0.0005 U	0.0005 U	NA	NA	NA	NA	0.0005 U	0.0005 U	NA
Calcium	- -	- -	- -	- -	- -	- -	mg/L	92	99.4	NA	NA	NA	NA	85.2	87	NA
Chromium	0.1	0.1	0.011	- -	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Cobalt	0.04	0.1	0.1	- -	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Copper	1	1	0.013	**4**	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Iron	0.3	0.3	- -	**5.6**	- -	- -	mg/L	0.36	2.36	NA	NA	NA	NA	0.08	0.04	NA
Lead	0.004	0.004	0.014	- -	- -	- -	mg/L	0.003 U	0.003 U	NA	NA	NA	NA	0.003 U	0.003 U	NA
Magnesium	400	1,100	- -	- -	- -	- -	mg/L	20.1	23.7	NA	NA	NA	NA	16.9	18.6	NA
Manganese	0.05	0.05	1.3	**2.5**	- -	- -	mg/L	0.402	0.386	NA	NA	NA	NA	0.562	0.487	NA
Mercury	0.002	0.002	0.0000013	- -	*0.056*	0.056	mg/L	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U	0.0002 U	NA
Nickel	0.1	0.1	0.073	- -	- -	- -	mg/L	0.005 U	0.03	NA	NA	NA	NA	0.006	0.005 U	NA
Selenium	0.05	0.05	0.005	- -	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Silver	0.034	0.098	0.0002	- -	- -	- -	mg/L	0.0005 U	0.0005 U	NA	NA	NA	NA	0.0005 U	0.0005 U	NA
Thallium	0.002	0.002	0.0037	- -	- -	- -	mg/L	0.002 U	0.002 U	NA	NA	NA	NA	0.002 U	0.002 U	NA
Vanadium	0.0045	0.062	0.027	- -	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Zinc	2.4	5	0.17	- -	- -	- -	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	NA
Miscellaneous																
Alkalinity, total (as CaCO3)	- -	- -	- -	- -	- -	- -	mg/L	238	368	NA	NA	NA	NA	250	240	NA
Hardness	- -	- -	- -	- -	- -	- -	mg/L	244	246	NA	NA	NA	NA	199	221	NA
Total Dissolved Solids	500	500	500	- -	- -	- -	mg/L	562	556	NA	NA	NA	NA	532	536	NA
Total Suspended Solids	- -	- -	- -	- -	- -	- -	mg/L	3 U	4	NA	NA	NA	NA	3 U	3 U	NA

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MW-40-99 01/15/18 MW-40-99_GW-011518	MW-40-99 10/03/18 MW-40-99_GW-100318	MWF7-02 10/04/18 MWF7-02_GW-100418	MWF8-01 10/04/18 MWF8-01_GW-100418	MWF12-01 01/16/18 MWF12-01_GW-011618	MWF12-01 01/17/18 MWF12-01_GW-011718	MWF12-01 10/03/18 MWF12-01_GW-100318	MWF12-02 01/16/18 MWF12-02_GW-011618	MWF12-02 10/03/18 MWF12-02_GW-100318
Field Parameters																
pH	- -	- -	- -	- -	- -	- -	SU		7.12	5.91	5.56			6.92		7.10
Turbidity	- -	- -	- -	- -	- -	- -	NTU		9.87	0.57	2.54			6.47		1.27
PCBs																
Aroclor-1016	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA
Volatile Organics																
m&p-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	NA	NA	0.002 U [0.002 U]	0.002 U
Acetone	0.73	2.1	1.7	- -	*1,000,000*	1,000,000	mg/L	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	NA	NA	0.05 U [0.05 U]	0.05 U
Benzene	0.005	0.005	0.2	- -	*5.6*	35	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Bromodichloromethane	0.08	0.08	- -	- -	*4.8*	37	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Bromoform	0.08	0.08	- -	- -	*470*	3,100	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Bromomethane	0.01	0.029	0.005	- -	*4*	9	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
2-Butanone	13	38	2.2	- -	*240,000*	240,000	mg/L	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U	NA	NA	0.025 U [0.025 U]	0.025 U
Carbon Disulfide	0.8	2.3	- -	- -	*250*	550	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
Carbon Tetrachloride	0.005	0.005	0.038	- -	*0.37*	2.4	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
CFC-11	2.6	7.3	- -	- -	*1,100*	1,100	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
CFC-12	1.7	4.8	- -	- -	*220*	300	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
Chlorobenzene	0.1	0.1	0.025	- -	*210*	470	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Chlorodibromomethane	0.08	0.08	- -	- -	*14*	110	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
Chloroethane	0.43	1.7	1.1	- -	*5,700*	5,700	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
Chloroform	0.08	0.08	0.35	- -	*28*	180	mg/L	0.001 U	0.001 U	0.001 [0.001 U]	0.002	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Chloromethane	0.26	1.1	- -	- -	*8.6*	45	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
Cyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,2-Dibromo-3-chloropropane	0.0002	0.0002	- -	- -	*0.22*	1.2	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
1,2-Dibromoethane	0.00005	0.00005	0.0057	- -	*2.4*	15	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,2-Dichlorobenzene	0.6	0.6	0.013	- -	*160*	160	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	- -	*18*	41	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	- -	*16*	74	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,1-Dichloroethane	0.88	2.5	0.74	- -	*1,000*	2,300	mg/L	0.001 U	0.001 U	0.048 [0.048]	0.001 U	0.003	NA	NA	0.002 [0.002]	0.002
1,2-Dichloroethane	0.005	0.005	0.36	- -	*9.6*	59	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	- -	*0.2*	1.3	mg/L	0.001 U	0.001 U	0.011 [0.011]	0.001 U	0.001	NA	NA	0.001 U [0.001 U]	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	- -	*93*	210	mg/L	0.001 U	0.001 U	0.003 [0.003]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	- -	*85*	200	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Dichloromethane	0.005	0.005	1.5	- -	*220*	1,400	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
1,2-Dichloropropane	0.005	0.005	0.23	- -	*16*	36	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Ethylbenzene	0.074	0.074	0.018	**0.7**	*110*	170	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Isopropylbenzene	0.8	2.3	0.028	- -	*56*	56	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Methyl acetate	- -	- -	- -	- -	- -	- -	mg/L	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	NA	NA	0.01 U [0.01 U]	0.01 U
Methyl N-Butyl Ketone	1	2.9	- -	- -	*4,200*	8,700	mg/L	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	NA	NA	0.05 U [0.05 U]	0.05 U
Methylcyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
4-Methyl-2-pentanone	1.8	5.2	- -	- -	*20,000*	20,000	mg/L	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	NA	NA	0.05 U [0.05 U]	0.05 U
Methyl tert-butyl ether	0.04	0.04	7.1	**0.69**	*47,000*	47,000	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
Styrene	0.1	0.1	0.08	- -	*170*	310	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	- -	*12*	77	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Tetrachloroethene	0.005	0.005	0.06	- -	*25*	170	mg/L	0.001 U	0.001 U	0.034 [0.033]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Toluene	0.79	0.79	0.27	**1**	*530*	530	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	- -	*300*	300	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	NA	0.005 U [0.005 U]	0.005 U
1,1,1-Trichloroethane	0.2	0.2	0.089	- -	*660*	1,300	mg/L	0.001 U	0.001 U	0.073 [0.073]	0.001 U	0.025	NA	NA	0.001 [0.001]	0.001
1,1,2-Trichloroethane	0.005	0.005	0.33	- -	*17*	110	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Trichloroethene	0.005	0.005	0.2	- -	*2.2*	4.9	mg/L	0.001 U	0.001 U	0.003 [0.003]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	- -	*170*	170	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Vinyl Chloride	0.002	0.002	0.013	- -	*1.1*	13	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
o-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	NA	0.001 U [0.001 U]	0.001 U
Total Xylenes	- -	- -	- -	**10**	*190*	190	mg/L	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	NA	NA	0.002 U [0.002 U]	0.002 U

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
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RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MW-40-99 01/15/18 MW-40-99_GW-011518	MW-40-99 10/03/18 MW-40-99_GW-100318	MWF7-02 10/04/18 MWF7-02_GW-100418	MWF8-01 10/04/18 MWF8-01_GW-100418	MWF12-01 01/16/18 MWF12-01_GW-011618	MWF12-01 01/17/18 MWF12-01_GW-011718	MWF12-01 10/03/18 MWF12-01_GW-100318	MWF12-02 01/16/18 MWF12-02_GW-011618	MWF12-02 10/03/18 MWF12-02_GW-100318
Volatile Organics-SIM																
1,4-Dioxane	0.0072	0.35	0.28	- -	- -	- -	mg/L	0.003 U	0.001 U	0.5 Y [0.5 Y]	NA	0.005	NA	0.005	0.004 [0.004]	NA
Inorganics																
Antimony	0.006	0.006	0.13	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.01	0.01	0.01	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	2	0.67	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.004	0.004	0.0067	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	0.005	0.0025	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	0.1	0.011	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	0.04	0.1	0.1	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1	1	0.013	**4**	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.3	- -	**5.6**	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.004	0.004	0.014	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	400	1,100	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05	0.05	1.3	**2.5**	- -	- -	mg/L	NA	NA	NA	NA	NA	**3.32 [3.12]**	NA	NA	0.292
Mercury	0.002	0.002	0.0000013	- -	*0.056*	0.056	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	0.1	0.1	0.073	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	0.05	0.005	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.034	0.098	0.0002	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.002	0.002	0.0037	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.0045	0.062	0.027	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2.4	5	0.17	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
Alkalinity, total (as CaCO3)	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	500	500	500	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on last page.

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RACER Trust Pontiac North Campus

ARCADIS Design & Consultancy for natural and built assets

Location ID: / Date Collected: / Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MWF16-06 10/04/18 MWF16-06_GW-100418	MWF16-23 10/01/18 MWF16-23_GW-100118	MWF16-25 10/01/18 MWF16-25_GW-100118	MWM16-02 10/02/18 MWM-16-02_GW-100218	MWM16-31 10/02/18 MWM16-31_GW-100218	MWM16-37 10/02/18 MWM16-37_GW-100218	MWM31-02 10/02/18 MWM31-02_GW-100218	MWM32-01 10/02/18 MWM32-01_GW-100218
Field Parameters															
pH	- -	- -	- -	- -	- -	- -	SU	6.44	6.91	7.02	6.79	7.04	7.12	7.03	6.92
Turbidity	- -	- -	- -	- -	- -	- -	NTU	1.86	10.2	8.89	9.90	4.55	4.63	1.65	1.18
PCBs															
Aroclor-1016	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organics															
m&p-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.01 UY	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Acetone	0.73	2.1	1.7	- -	*1,000,000*	1,000,000	mg/L	0.25 UY	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	0.005	0.005	0.2	- -	*5.6*	35	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001	0.001 U	0.001 U	0.001 U
Bromodichloromethane	0.08	0.08	- -	- -	*4.8*	37	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	0.08	0.08	- -	- -	*470*	3,100	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane	0.01	0.029	0.005	- -	*4*	9	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Butanone	13	38	2.2	- -	*240,000*	240,000	mg/L	0.13 UY	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Carbon Disulfide	0.8	2.3	- -	- -	*250*	550	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon Tetrachloride	0.005	0.005	0.038	- -	*0.37*	2.4	mg/L	0.014 Y	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
CFC-11	2.6	7.3	- -	- -	*1,100*	1,100	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
CFC-12	1.7	4.8	- -	- -	*220*	300	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.1	0.1	0.025	- -	*210*	470	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorodibromomethane	0.08	0.08	- -	- -	*14*	110	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.43	1.7	1.1	- -	*5,700*	5,700	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.08	0.08	0.35	- -	*28*	180	mg/L	0.038 Y	0.001 U	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane	0.26	1.1	- -	- -	*8.6*	45	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane	0.0002	0.0002	- -	- -	*0.22*	1.2	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.00005	0.00005	0.0057	- -	*2.4*	15	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	0.6	0.6	0.013	- -	*160*	160	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	- -	*18*	41	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	- -	*16*	74	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	0.88	2.5	0.74	- -	*1,000*	2,300	mg/L	0.047 Y	0.009	0.003	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	0.005	0.005	0.36	- -	*9.6*	59	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	- -	*0.2*	1.3	mg/L	0.009 Y	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	- -	*93*	210	mg/L	0.012 Y	0.019	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	- -	*85*	200	mg/L	0.005 UY	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichloromethane	0.005	0.005	1.5	- -	*220*	1,400	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.005	0.005	0.23	- -	*16*	36	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	0.074	0.074	0.018	**0.7**	*110*	170	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	0.8	2.3	0.028	- -	*56*	56	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	- -	- -	- -	- -	- -	- -	mg/L	0.05 UY	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl N-Butyl Ketone	1	2.9	- -	- -	*4,200*	8,700	mg/L	0.25 UY	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methylcyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
4-Methyl-2-pentanone	1.8	5.2	- -	- -	*20,000*	20,000	mg/L	0.25 UY	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methyl tert-butyl ether	0.04	0.04	7.1	**0.69**	*47,000*	47,000	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	0.1	0.1	0.08	- -	*170*	310	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	- -	*12*	77	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	0.005	0.005	0.06	- -	*25*	170	mg/L	0.07 Y	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	0.79	0.79	0.27	**1**	*530*	530	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	- -	*300*	300	mg/L	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.2	0.2	0.089	- -	*660*	1,300	mg/L	0.163 Y	0.009	0.003	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	0.005	0.005	0.33	- -	*17*	110	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	0.005	0.005	0.2	- -	*2.2*	4.9	mg/L	0.012 Y	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	- -	*170*	170	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl Chloride	0.002	0.002	0.013	- -	*1.1*	13	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.003	0.001 U	0.001 U
o-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes	- -	- -	- -	**10**	*190*	190	mg/L	0.01 UY	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MWF16-06 10/04/18 MWF16-06_GW-100418	MWF16-23 10/01/18 MWF16-23_GW-100118	MWF16-25 10/01/18 MWF16-25_GW-100118	MWM16-02 10/02/18 MWM-16-02_GW-100218	MWM16-31 10/02/18 MWM16-31_GW-100218	MWM16-37 10/02/18 MWM16-37_GW-100218	MWM31-02 10/02/18 MWM31-02_GW-100218	MWM32-01 10/02/18 MWM32-01_GW-100218
Volatile Organics-SIM															
1,4-Dioxane	0.0072	0.35	0.28	- -	- -	- -	mg/L	0.015	0.004	0.007	NA	NA	NA	NA	0.001 U
Inorganics															
Antimony	0.006	0.006	0.13	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.01	0.01	0.01	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	2	0.67	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.004	0.004	0.0067	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	0.005	0.0025	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	0.1	0.011	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	0.04	0.1	0.1	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1	1	0.013	**4**	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.3	- -	**5.6**	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.004	0.004	0.014	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	400	1,100	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05	0.05	1.3	**2.5**	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.002	0.0000013	- -	*0.056*	0.056	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	0.1	0.1	0.073	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	0.05	0.005	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.034	0.098	0.0002	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.002	0.002	0.0037	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.0045	0.062	0.027	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2.4	5	0.17	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
Alkalinity, total (as CaCO3)	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Hardness	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	500	500	500	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on last page.

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Location ID: / Date Collected: / Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MWOS-01 10/01/18 MWOS-01_GW-100118	MWW1-04 01/16/18 MWW1-04_GW-011618	MWW1-04 10/04/18 MWW1-04_GW-100418	MWW1-15 10/03/18 MWW1-15_GW-100318	MWW01-SEN03 10/05/18 MWW01-SEN03-GW-100518	MWW01-SEN04 10/03/18 MWW01-SEN04_GW-100318	MWW5-01 10/01/18 MWW5-01_GW-100118	MWW10-03 10/02/18 MWW10-03_GW-100218
Field Parameters															
pH	- -	- -	- -	- -	- -	- -	SU	6.97		11.46	7.43	7.57	6.92	6.86	6.94
Turbidity	- -	- -	- -	- -	- -	- -	NTU	7.87		3.80	5.10	141	13.2	4.29	0.51
PCBs															
Aroclor-1016	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0001 U [0.0001 U]	0.0001 U	0.0001 U
Aroclor-1221	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0001 U [0.0001 U]	0.0001 U	0.0001 U
Aroclor-1232	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0001 U [0.0001 U]	0.0001 U	0.0001 U
Aroclor-1242	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 [0.0001 U]	0.0001 U	0.0001 U	0.0001 U [0.0001 U]	0.0001 U	0.0001 U
Aroclor-1248	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0002 [0.0001]	0.0001 U	0.0001 U
Aroclor-1254	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0001 U [0.0001 U]	0.0001 U	0.0001 U
Aroclor-1260	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0001 U [0.0001 U]	0.0001 U	0.0001 U
Total PCBs	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	NA	0.0001 [0.0001 U]	0.0001 U	0.0001 U	0.0002 [0.0001]	0.0001 U	0.0001 U
Volatile Organics															
m&p-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U
Acetone	0.73	2.1	1.7	- -	*1,000,000*	1,000,000	mg/L	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U
Benzene	0.005	0.005	0.2	- -	*5.6*	35	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Bromodichloromethane	0.08	0.08	- -	- -	*4.8*	37	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Bromoform	0.08	0.08	- -	- -	*470*	3,100	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Bromomethane	0.01	0.029	0.005	- -	*4*	9	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
2-Butanone	13	38	2.2	- -	*240,000*	240,000	mg/L	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U
Carbon Disulfide	0.8	2.3	- -	- -	*250*	550	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
Carbon Tetrachloride	0.005	0.005	0.038	- -	*0.37*	2.4	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
CFC-11	2.6	7.3	- -	- -	*1,100*	1,100	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
CFC-12	1.7	4.8	- -	- -	*220*	300	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
Chlorobenzene	0.1	0.1	0.025	- -	*210*	470	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Chlorodibromomethane	0.08	0.08	- -	- -	*14*	110	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
Chloroethane	0.43	1.7	1.1	- -	*5,700*	5,700	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.021	0.005 U
Chloroform	0.08	0.08	0.35	- -	*28*	180	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Chloromethane	0.26	1.1	- -	- -	*8.6*	45	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
Cyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane	0.0002	0.0002	- -	- -	*0.22*	1.2	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
1,2-Dibromoethane	0.00005	0.00005	0.0057	- -	*2.4*	15	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,2-Dichlorobenzene	0.6	0.6	0.013	- -	*160*	160	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	- -	*18*	41	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	- -	*16*	74	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,1-Dichloroethane	0.88	2.5	0.74	- -	*1,000*	2,300	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,2-Dichloroethane	0.005	0.005	0.36	- -	*9.6*	59	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	- -	*0.2*	1.3	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	- -	*93*	210	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	- -	*85*	200	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Dichloromethane	0.005	0.005	1.5	- -	*220*	1,400	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
1,2-Dichloropropane	0.005	0.005	0.23	- -	*16*	36	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Ethylbenzene	0.074	0.074	0.018	**0.7**	*110*	170	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Isopropylbenzene	0.8	2.3	0.028	- -	*56*	56	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Methyl acetate	- -	- -	- -	- -	- -	- -	mg/L	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U
Methyl N-Butyl Ketone	1	2.9	- -	- -	*4,200*	8,700	mg/L	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U
Methylcyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
4-Methyl-2-pentanone	1.8	5.2	- -	- -	*20,000*	20,000	mg/L	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U	0.05 U [0.05 U]	0.05 U	0.05 U
Methyl tert-butyl ether	0.04	0.04	7.1	**0.69**	*47,000*	47,000	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
Styrene	0.1	0.1	0.08	- -	*170*	310	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	- -	*12*	77	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Tetrachloroethene	0.005	0.005	0.06	- -	*25*	170	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Toluene	0.79	0.79	0.27	**1**	*530*	530	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	- -	*300*	300	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U
1,1,1-Trichloroethane	0.2	0.2	0.089	- -	*660*	1,300	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,1,2-Trichloroethane	0.005	0.005	0.33	- -	*17*	110	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Trichloroethene	0.005	0.005	0.2	- -	*2.2*	4.9	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	- -	*170*	170	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Vinyl Chloride	0.002	0.002	0.013	- -	*1.1*	13	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
o-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Total Xylenes	- -	- -	- -	**10**	*190*	190	mg/L	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
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RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MWOS-01 10/01/18 MWOS-01_GW-100118	MWW1-04 01/16/18 MWW1-04_GW-011618	MWW1-04 10/04/18 MWW1-04_GW-100418	MWW1-15 10/03/18 MWW1-15_GW-100318	MWW01-SEN03 10/05/18 MWW01-SEN03-GW-100518	MWW01-SEN04 10/03/18 MWW01-SEN04_GW-100318	MWW5-01 10/01/18 MWW5-01_GW-100118	MWW10-03 10/02/18 MWW10-03_GW-100218
Volatile Organics-SIM															
1,4-Dioxane	0.0072	0.35	0.28	- -	- -	- -	mg/L	NA	0.003 U	0.001 U [0.001 U]	NA	0.026	NA	NA	NA
Inorganics															
Antimony	0.006	0.006	0.13	- -	- -	- -	mg/L	NA	NA	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	NA
Arsenic	0.01	0.01	0.01	- -	- -	- -	mg/L	NA	NA	NA	0.002	0.008	0.005 [0.005]	0.004	NA
Barium	2	2	0.67	- -	- -	- -	mg/L	NA	NA	NA	0.139	0.17	0.129 [0.128]	0.087	NA
Beryllium	0.004	0.004	0.0067	- -	- -	- -	mg/L	NA	NA	NA	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	NA
Cadmium	0.005	0.005	0.0025	- -	- -	- -	mg/L	NA	NA	NA	0.0005 U	0.001	0.0005 U [0.0005 U]	0.0005 U	NA
Calcium	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	62	80.1	86.4	194	NA
Chromium	0.1	0.1	0.011	- -	- -	- -	mg/L	NA	NA	NA	0.005 U	0.029	0.005 U [0.005 U]	0.005 U	NA
Cobalt	0.04	0.1	0.1	- -	- -	- -	mg/L	NA	NA	NA	0.005 U	0.006	0.005 U [0.005 U]	0.005 U	NA
Copper	1	1	0.013	**4**	- -	- -	mg/L	NA	NA	NA	0.005 U	0.016	0.005 U [0.005 U]	0.005 U	NA
Iron	0.3	0.3	- -	**5.6**	- -	- -	mg/L	NA	NA	NA	**9.07**	**21.1**	**14.5**	2.18	NA
Lead	0.004	0.004	0.014	- -	- -	- -	mg/L	NA	NA	NA	0.003 U	0.011	0.004 [0.003]	0.003 U	0.003 U
Magnesium	400	1,100	- -	- -	- -	- -	mg/L	NA	NA	NA	28.6	16.2	27.6	28.2	NA
Manganese	0.05	0.05	1.3	**2.5**	- -	- -	mg/L	NA	NA	NA	0.236	0.477	0.37 [0.369]	0.52	0.338
Mercury	0.002	0.002	0.0000013	- -	*0.056*	0.056	mg/L	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	NA
Nickel	0.1	0.1	0.073	- -	- -	- -	mg/L	NA	NA	NA	0.005 U	0.023	0.005 U [0.005 U]	0.005 U	NA
Selenium	0.05	0.05	0.005	- -	- -	- -	mg/L	NA	NA	NA	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	NA
Silver	0.034	0.098	0.0002	- -	- -	- -	mg/L	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U [0.0005 U]	0.0005 U	NA
Thallium	0.002	0.002	0.0037	- -	- -	- -	mg/L	NA	NA	NA	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	NA
Vanadium	0.0045	0.062	0.027	- -	- -	- -	mg/L	NA	NA	0.016 [0.015]	0.005 U	0.007	0.005 U [0.005 U]	0.005 U	NA
Zinc	2.4	5	0.17	- -	- -	- -	mg/L	NA	NA	NA	0.005 U	0.027	0.005 U [0.005 U]	0.005 U	NA
Miscellaneous															
Alkalinity, total (as CaCO3)	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	528	754	498	558	NA
Hardness	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	155	137	218	512	NA
Total Dissolved Solids	500	500	500	- -	- -	- -	mg/L	NA	NA	NA	794	1,110	580	810	NA
Total Suspended Solids	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	NA	9	249	27	3 U	NA

See Notes on last page.

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Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MWW10-SEN02 10/05/18 MWW10-SEN02-GW-100518	MWW10-SEN02 11/29/18 MWW10-SEN02_112918	TW-09-01 10/01/18 TW-09-01_GW-100118	TW-10-02 10/01/18	TW-MD-01 10/03/18 TW-MD-01_GW-100318	TW-MD-02 10/03/18 TW-MD-02_GW-100318	TW-MD-03 10/03/18 TW-MD-03_GW-100318	TW-MD-04 10/03/18 TW-MD-04_GW-100318	TW-MD-05 10/03/18 TW-MD-05_GW-100318
Field Parameters																
pH	- -	- -	- -	- -	- -	- -	SU	6.75	6.55	7.08	6.48	6.90	6.90	7.01	6.69	6.85
Turbidity	- -	- -	- -	- -	- -	- -	NTU	NA	30.1	7.12	4.89	7.79	6.26	3.06	2.35	8.92
PCBs																
Aroclor-1016	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1221	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1232	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1242	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1248	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1254	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1260	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Total PCBs	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Volatile Organics																
m&p-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Acetone	0.73	2.1	1.7	- -	*1,000,000*	1,000,000	mg/L	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	0.005	0.005	0.2	- -	*5.6*	35	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	0.08	0.08	- -	- -	*4.8*	37	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	0.08	0.08	- -	- -	*470*	3,100	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane	0.01	0.029	0.005	- -	*4*	9	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Butanone	13	38	2.2	- -	*240,000*	240,000	mg/L	0.025 U	NA	0.025 U	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Carbon Disulfide	0.8	2.3	- -	- -	*250*	550	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon Tetrachloride	0.005	0.005	0.038	- -	*0.37*	2.4	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
CFC-11	2.6	7.3	- -	- -	*1,100*	1,100	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
CFC-12	1.7	4.8	- -	- -	*220*	300	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.1	0.1	0.025	- -	*210*	470	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorodibromomethane	0.08	0.08	- -	- -	*14*	110	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.43	1.7	1.1	- -	*5,700*	5,700	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.08	0.08	0.35	- -	*28*	180	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane	0.26	1.1	- -	- -	*8.6*	45	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane	0.0002	0.0002	- -	- -	*0.22*	1.2	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.00005	0.00005	0.0057	- -	*2.4*	15	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	0.6	0.6	0.013	- -	*160*	160	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	- -	*18*	41	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	- -	*16*	74	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	0.88	2.5	0.74	- -	*1,000*	2,300	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	0.005	0.005	0.36	- -	*9.6*	59	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	- -	*0.2*	1.3	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	- -	*93*	210	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	- -	*85*	200	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichloromethane	0.005	0.005	1.5	- -	*220*	1,400	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.005	0.005	0.23	- -	*16*	36	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	0.074	0.074	0.018	**0.7**	*110*	170	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	0.8	2.3	0.028	- -	*56*	56	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	- -	- -	- -	- -	- -	- -	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl N-Butyl Ketone	1	2.9	- -	- -	*4,200*	8,700	mg/L	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methylcyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
4-Methyl-2-pentanone	1.8	5.2	- -	- -	*20,000*	20,000	mg/L	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methyl tert-butyl ether	0.04	0.04	7.1	**0.69**	*47,000*	47,000	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	0.1	0.1	0.08	- -	*170*	310	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	- -	*12*	77	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	0.005	0.005	0.06	- -	*25*	170	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	0.79	0.79	0.27	**1**	*530*	530	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	- -	*300*	300	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.2	0.2	0.089	- -	*660*	1,300	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	0.005	0.005	0.33	- -	*17*	110	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	0.005	0.005	0.2	- -	*2.2*	4.9	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	- -	*170*	170	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl Chloride	0.002	0.002	0.013	- -	*1.1*	13	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
o-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes	- -	- -	- -	**10**	*190*	190	mg/L	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2018 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	MWW10-SEN02 10/05/18 MWW10-SEN02-GW-100518	MWW10-SEN02 11/29/18 MWW10-SEN02_112918	TW-09-01 10/01/18 TW-09-01_GW-100118	TW-10-02 10/01/18	TW-MD-01 10/03/18 TW-MD-01_GW-100318	TW-MD-02 10/03/18 TW-MD-02_GW-100318	TW-MD-03 10/03/18 TW-MD-03_GW-100318	TW-MD-04 10/03/18 TW-MD-04_GW-100318	TW-MD-05 10/03/18 TW-MD-05_GW-100318
Volatile Organics-SIM																
1,4-Dioxane	0.0072	0.35	0.28	- -	- -	- -	mg/L	NA	NA	NA	0.045	0.001 U	NA	NA	NA	NA
Inorganics																
Antimony	0.006	0.006	0.13	- -	- -	- -	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic	0.01	0.01	0.01	- -	- -	- -	mg/L	0.007	NA	0.02	NA	0.002 U	0.008	0.005	0.002	0.004
Barium	2	2	0.67	- -	- -	- -	mg/L	0.141	NA	0.539	NA	0.126	0.163	0.309	0.341	0.095
Beryllium	0.004	0.004	0.0067	- -	- -	- -	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	0.005	0.005	0.0025	- -	- -	- -	mg/L	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Calcium	- -	- -	- -	- -	- -	- -	mg/L	190	NA	265	NA	125	101	109	166	47.2
Chromium	0.1	0.1	0.011	- -	- -	- -	mg/L	0.053	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	0.04	0.1	0.1	- -	- -	- -	mg/L	0.011	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.009	0.005 U
Copper	1	1	0.013	**4**	- -	- -	mg/L	0.054	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Iron	0.3	0.3	- -	**5.6**	- -	- -	mg/L	**21.2**	NA	4.71	NA	**10.8**	**14.3**	**18**	**21.9**	**11.5**
Lead	0.004	0.004	0.014	- -	- -	- -	mg/L	0.012	NA	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Magnesium	400	1,100	- -	- -	- -	- -	mg/L	42.2	NA	36.6	NA	30.1	22.4	28.6	43.7	21.9
Manganese	0.05	0.05	1.3	**2.5**	- -	- -	mg/L	0.563	NA	0.561	NA	1	0.747	0.82	1.16	0.356
Mercury	0.002	0.002	0.0000013	- -	*0.056*	0.056	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.1	0.1	0.073	- -	- -	- -	mg/L	0.128	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Selenium	0.05	0.05	0.005	- -	- -	- -	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	0.034	0.098	0.0002	- -	- -	- -	mg/L	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Thallium	0.002	0.002	0.0037	- -	- -	- -	mg/L	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Vanadium	0.0045	0.062	0.027	- -	- -	- -	mg/L	0.021	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Zinc	2.4	5	0.17	- -	- -	- -	mg/L	0.051	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Miscellaneous																
Alkalinity, total (as CaCO3)	- -	- -	- -	- -	- -	- -	mg/L	686	NA	770	NA	504	524	460	422	456
Hardness	- -	- -	- -	- -	- -	- -	mg/L	NA	NA	675	NA	314	253	294	390	113
Total Dissolved Solids	500	500	500	- -	- -	- -	mg/L	NA	1,910 X	1,460	NA	630	620	1,180	1,700	586
Total Suspended Solids	- -	- -	- -	- -	- -	- -	mg/L	4,940	4,940	11	NA	12	14	28	37	20

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
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RACER Trust Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	TW-MD-06 10/04/18 TW-MD-06_GW-100418	TW-MD-07 10/04/18 TW-MD-07_GW-100418
Field Parameters									
pH	- -	- -	- -	- -	- -	- -	SU	6.81	6.61
Turbidity	- -	- -	- -	- -	- -	- -	NTU	8.20	3.40
PCBs									
Aroclor-1016	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Aroclor-1221	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Aroclor-1232	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Aroclor-1242	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Aroclor-1248	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Aroclor-1254	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Aroclor-1260	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Total PCBs	0.0005	0.0005	0.0002	- -	*0.045*	0.045	mg/L	0.0001 U	0.0001 U
Volatile Organics									
m&p-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.002 U	0.002 U
Acetone	0.73	2.1	1.7	- -	*1,000,000*	1,000,000	mg/L	0.05 U	0.05 U
Benzene	0.005	0.005	0.2	- -	*5.6*	35	mg/L	0.001 U	0.001 U
Bromodichloromethane	0.08	0.08	- -	- -	*4.8*	37	mg/L	0.001 U	0.001 U
Bromoform	0.08	0.08	- -	- -	*470*	3,100	mg/L	0.001 U	0.001 U
Bromomethane	0.01	0.029	0.005	- -	*4*	9	mg/L	0.005 U	0.005 U
2-Butanone	13	38	2.2	- -	*240,000*	240,000	mg/L	0.025 U	0.025 U
Carbon Disulfide	0.8	2.3	- -	- -	*250*	550	mg/L	0.005 U	0.005 U
Carbon Tetrachloride	0.005	0.005	0.038	- -	*0.37*	2.4	mg/L	0.001 U	0.001 U
CFC-11	2.6	7.3	- -	- -	*1,100*	1,100	mg/L	0.001 U	0.001 U
CFC-12	1.7	4.8	- -	- -	*220*	300	mg/L	0.005 U	0.005 U
Chlorobenzene	0.1	0.1	0.025	- -	*210*	470	mg/L	0.001 U	0.001 U
Chlorodibromomethane	0.08	0.08	- -	- -	*14*	110	mg/L	0.005 U	0.005 U
Chloroethane	0.43	1.7	1.1	- -	*5,700*	5,700	mg/L	0.005 U	0.005 U
Chloroform	0.08	0.08	0.35	- -	*28*	180	mg/L	0.001 U	0.001 U
Chloromethane	0.26	1.1	- -	- -	*8.6*	45	mg/L	0.005 U	0.005 U
Cyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane	0.0002	0.0002	- -	- -	*0.22*	1.2	mg/L	0.005 U	0.005 U
1,2-Dibromoethane	0.00005	0.00005	0.0057	- -	*2.4*	15	mg/L	0.001 U	0.001 U
1,2-Dichlorobenzene	0.6	0.6	0.013	- -	*160*	160	mg/L	0.001 U	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	- -	*18*	41	mg/L	0.001 U	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	- -	*16*	74	mg/L	0.001 U	0.001 U
1,1-Dichloroethane	0.88	2.5	0.74	- -	*1,000*	2,300	mg/L	0.001 U	0.001 U
1,2-Dichloroethane	0.005	0.005	0.36	- -	*9.6*	59	mg/L	0.001 U	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	- -	*0.2*	1.3	mg/L	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	- -	*93*	210	mg/L	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	- -	*85*	200	mg/L	0.001 U	0.001 U
Dichloromethane	0.005	0.005	1.5	- -	*220*	1,400	mg/L	0.005 U	0.005 U
1,2-Dichloropropane	0.005	0.005	0.23	- -	*16*	36	mg/L	0.001 U	0.001 U
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U
Ethylbenzene	0.074	0.074	0.018	**0.7**	*110*	170	mg/L	0.001 U	0.001 U
Isopropylbenzene	0.8	2.3	0.028	- -	*56*	56	mg/L	0.001 U	0.001 U
Methyl acetate	- -	- -	- -	- -	- -	- -	mg/L	0.01 U	0.01 U
Methyl N-Butyl Ketone	1	2.9	- -	- -	*4,200*	8,700	mg/L	0.05 U	0.05 U
Methylcyclohexane	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U
4-Methyl-2-pentanone	1.8	5.2	- -	- -	*20,000*	20,000	mg/L	0.05 U	0.05 U
Methyl tert-butyl ether	0.04	0.04	7.1	**0.69**	*47,000*	47,000	mg/L	0.005 U	0.005 U
Styrene	0.1	0.1	0.08	- -	*170*	310	mg/L	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	- -	*12*	77	mg/L	0.001 U	0.001 U
Tetrachloroethene	0.005	0.005	0.06	- -	*25*	170	mg/L	0.001 U	0.001 U
Toluene	0.79	0.79	0.27	**1**	*530*	530	mg/L	0.001 U	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	- -	*300*	300	mg/L	0.005 U	0.005 U
1,1,1-Trichloroethane	0.2	0.2	0.089	- -	*660*	1,300	mg/L	0.001 U	0.001 U
1,1,2-Trichloroethane	0.005	0.005	0.33	- -	*17*	110	mg/L	0.001 U	0.001 U
Trichloroethene	0.005	0.005	0.2	- -	*2.2*	4.9	mg/L	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	- -	*170*	170	mg/L	0.001 U	0.001 U
Vinyl Chloride	0.002	0.002	0.013	- -	*1.1*	13	mg/L	0.001 U	0.001 U
o-Xylene	- -	- -	- -	- -	- -	- -	mg/L	0.001 U	0.001 U
Total Xylenes	- -	- -	- -	**10**	*190*	190	mg/L	0.002 U	0.002 U

See Notes on last page.

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	Non-Residential Health Based Drinking Water Value	Res GW Volatilization to Indoor Air Inhalation	Non-Res GW Volatilization to Indoor Air Inhalation	Units	TW-MD-06 10/04/18 TW-MD-06_GW-100418	TW-MD-07 10/04/18 TW-MD-07_GW-100418
Volatile Organics-SIM									
1,4-Dioxane	0.0072	0.35	0.28	- -	- -	- -	mg/L	NA	NA
Inorganics									
Antimony	0.006	0.006	0.13	- -	- -	- -	mg/L	0.005 U	0.005 U
Arsenic	0.01	0.01	0.01	- -	- -	- -	mg/L	0.01	0.002 U
Barium	2	2	0.67	- -	- -	- -	mg/L	0.18	0.206
Beryllium	0.004	0.004	0.0067	- -	- -	- -	mg/L	0.001 U	0.001 U
Cadmium	0.005	0.005	0.0025	- -	- -	- -	mg/L	0.0005 U	0.0005 U
Calcium	- -	- -	- -	- -	- -	- -	mg/L	152	148
Chromium	0.1	0.1	0.011	- -	- -	- -	mg/L	0.005 U	0.005 U
Cobalt	0.04	0.1	0.1	- -	- -	- -	mg/L	0.005 U	0.005 U
Copper	1	1	0.013	**4**	- -	- -	mg/L	0.005 U	0.005 U
Iron	0.3	0.3	- -	**5.6**	- -	- -	mg/L	**24.9**	**23.9**
Lead	0.004	0.004	0.014	- -	- -	- -	mg/L	0.003 U	0.003 U
Magnesium	400	1,100	- -	- -	- -	- -	mg/L	43	43.9
Manganese	0.05	0.05	1.3	**2.5**	- -	- -	mg/L	0.947	0.201
Mercury	0.002	0.002	0.0000013	- -	*0.056*	0.056	mg/L	0.0002 U	0.0002 U
Nickel	0.1	0.1	0.073	- -	- -	- -	mg/L	0.005 U	0.005 U
Selenium	0.05	0.05	0.005	- -	- -	- -	mg/L	0.005 U	0.005 U
Silver	0.034	0.098	0.0002	- -	- -	- -	mg/L	0.0005 U	0.0005 U
Thallium	0.002	0.002	0.0037	- -	- -	- -	mg/L	0.002 U	0.002 U
Vanadium	0.0045	0.062	0.027	- -	- -	- -	mg/L	0.005 U	0.005 U
Zinc	2.4	5	0.17	- -	- -	- -	mg/L	0.009	0.005 U
Miscellaneous									
Alkalinity, total (as CaCO3)	- -	- -	- -	- -	- -	- -	mg/L	434	494
Hardness	- -	- -	- -	- -	- -	- -	mg/L	390	365
Total Dissolved Solids	500	500	500	- -	- -	- -	mg/L	1,080	958
Total Suspended Solids	- -	- -	- -	- -	- -	- -	mg/L	46	43

See Notes on last page.

Notes:

Criteria listed are from the Michigan Department of Environmental Quality (MDEQ) Clean Up Criteria Requirements Table 1: Groundwater: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, January 10, 2018; GSI Protection criteria updated June 25, 2018.

Groundwater Surface Water Interface Criteria listed for barium, beryllium, cadmium, chromium, copper, lead, manganese, nickel and zinc are calculated based on a hardness of 150 mg/L-CaCO3 for southern Lower Peninsula protected as a drinking water source.

Yellow highlighted values denotes exceedance of Michigan Residential Drinking Water.
Orange highlighted values denotes exceedance of Non-Residential Drinking Water.
Grey shaded values denotes exceedance of Michigan Groundwater Surface Water Interface.
Bold values denotes exceedance of Non-Residential Health Based Drinking Water Value.
Values in italics denotes exceedance of Residential Groundwater Volatilization to Indoor Air Inhalation.
Values in red type denotes exceedance of Non-Residential Groundwater Volatilization to Indoor Air Inhalation.
Duplicate analyses are presented in brackets.

Abbreviations:

mg/L	Milligrams per liter.
B	Compound also found in associated method blank.
U	Compound was analyzed for but not detected. The associated value is the compound quantitation limit.
X	Elevated reporting limit due to matrix interference.
Y	Elevated reporting limit due to high target concentrations.
NA	Not analyzed.

FIGURES

Service Layer Credits:

SPO PARKING

FORMER PLANT 25

SPO

FORMER PLANT 15

FORMER PLANT 12

PLANT 14

FORMER FIERO PARKING LOT

FORMER FIERO PLANT 17

POWER HOUSE

GM WWTP

FORMER PLANT 14S (PLANTS 5 AND 23)

USPS REGIONAL DISTRIBUTION CENTER (LEASED PROPERTY)

GM POWERTRAIN

HARRIS LAKE

STORMWATER DETENTION FACILITY

PERRY PARK

OAKLAND PARK

W Colgate Ave
E Colgate Ave
W Sheffield Ave
E Sheffield Ave
Laurel Ave
Princeton Ave
W Princeton Ave
E Princeton Ave
W Hopkins Ave
E Hopkins Ave
W Yale Ave
E Yale Ave
W Ypsilanti Ave
E Ypsilanti Ave
Price St
E Ann Arbor Ave
Peacock Ave
Clara Ave
W Columbia Ave
E Columbia Ave
W Longfellow Ave
E Longfellow Ave
Ivy St
W Strathmore Ave
E Strathmore Ave
W Fairmont Ave
E Fairmont Ave
W Rutgers Ave
E Rutgers Ave
W Cornell Ave
E Cornell Ave
Hollywood Ave
Tennyson Ave
W Tennyson Ave
Mansfield Ave
E Madison Ave
Lebaron Ave
Wesbrook St
Lenox Ave
Markle Ave
Raskob St
Lowell St
Parkdale Ave
N Merrimac St
Merrimac St
S Merrimac St
Young St
Wing St
Portland St
W Montcalm St
E Montcalm St
Burt Ave
Legrande Ave
Garner St
Hudson Ave
Riker St
Hood St
W Rundell St
E Rundell St
Putnam Ave
Hamilton St
Whitfield St
Jefferson St
Cadillac St
Virginia St
Kimball St
Grandie St
Home St
Kemp St
Wolfe St
N Glenwood Ave
Edison St
Marquette St
Nelson St
Hammond St
S Glenwood Ave
Linda Vista Dr

LEGEND

- USPS DISTRIBUTION CENTER PROPERTY BOUNDARY
- PNC PROPERTY (GMC)
- PROPERTY SOLD BY RACER
- GENERAL MOTORS, LLC
- RACER TRUST PROPERTY SUBJECT TO AOC (9/29/11)

AOC – ADMINISTRATIVE ORDER ON CONSENT
GM – GENERAL MOTORS CORPORATION
PNC – PONTIAC NORTH CAMPUS
RACER – REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
SPO – SERVICE PARTS OPERATION
USPS – UNITED STATES POSTAL SERVICE
WWTP – WASTEWATER TREATMENT PLANT
NOTE: ALL BOUNDARIES ARE APPROXIMATE

0 310 620
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SITE LAYOUT MAP

ARCADIS Design & Consultancy for natural and built assets

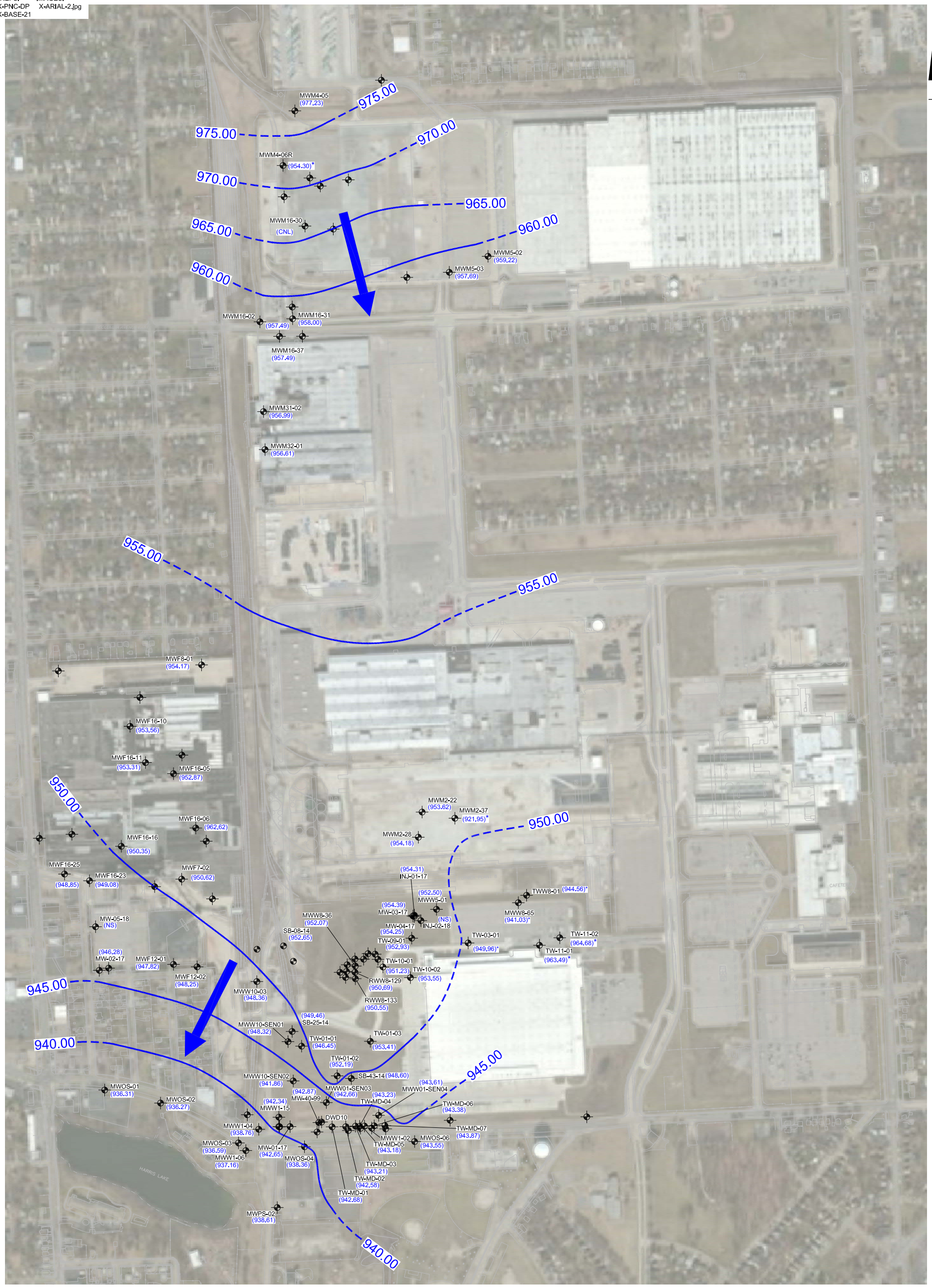
FIGURE 1

CITY: Novi DIV: ENV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: B0064607.2012.0002 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampus\Documents\PNC_Property Layout_2017_12.mxd PLOTTED: 12/20/2017 12:52:19 PM BY: TYarbrough

CITY:SYRACUSE DIV/GROUP:IMDV-21 DB:G.STOWELL PM:(Reqd) LYRON=*;OFF=*REF*
C:\Users\gstowell\OneDrive - ARCADIS\BIM 360 Docs\RACER TRUST\RACER PONTIAC NORTH CAMPUS\2019\B0064607.2019\01-DWG\FIG2-GW-CONT-10-2018.DWG LAYOUT: 2 SAVED: 1/28/2019 11:01 AM ACADVER: 21.0S (LMS TECH) PAGESETUP: C-PD2B-PDF-GMS PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/28/2019 11:02 AM BY: STOWELL, GARY

XREFS:
X-PNC-DP
X-BASE-21

IMAGES:
X-ARIAL-2.jpg



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- (937.70) GROUNDWATER ELEVATION
- * WELL NOT APPROPRIATE FOR GROUNDWATER CONTOURING DUE TO SCREEN DEPTH AND/OR NOT REPRESENTATIVE OF SITE HYDROLOGY
- 955.00 GROUNDWATER CONTOUR (CONTOUR INTERVAL 5.0 FEET) (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- NS NOT SURVEYED

NOTES:

1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS CALCULATED FROM WATER LEVELS COLLECTED ON OCTOBER 1 – 5, 2018.
3. ALL ELEVATIONS ARE REFERENCED TO A MEAN SEA LEVEL DATUM AND ARE IN UNITS OF FEET ABOVE MEAN SEA LEVEL.
4. WELLS WITH NO GROUNDWATER ELEVATION AND LABEL WERE NOT INCLUDED IN THE ANNUAL SAMPLING AND GAUGING.
5. THE EQUIVALENT GROUNDWATER ELEVATION IS CALCULATED WHERE LNAPL IS PRESENT USING THE LNAPL SURFACE ELEVATION, THE THICKNESS OF LNAPL AND THE APPROXIMATE SPECIFIC DENSITY OF THE LNAPL (0.88).

0 300' 600'
GRAPHIC SCALE

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

GROUNDWATER CONTOUR MAP OCTOBER - 2018

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

MW-03-17	
Date	10/2/2018
Field Parameters	
pH	7.02
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	ND (0.002)
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	0.08
Lead	ND (0.003)
Manganese	0.562 (RDW, NRDW)
Nickel	0.006
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	532 (RDW, NRDW, GSI)

MWF16-06	
Date	10/4/2018
Field Parameters	
pH	6.44
VOCs	
1,1,1-Trichloroethane	0.163 Y (GSI)
1,1-Dichloroethene	0.009 Y (RDW, NRDW)
1,4-Dioxane	0.015 (RDW)
Carbon Tetrachloride	0.014 Y (RDW, NRDW)
Tetrachloroethene	0.070 Y (RDW, NRDW, GSI)
Trichloroethene	0.012 Y (RDW, NRDW)
Vinyl Chloride	ND (0.005) Y

MWF16-23	
Date	10/1/2018
Field Parameters	
pH	6.91
VOCs	
1,1,1-Trichloroethane	0.009
1,1-Dichloroethene	ND (0.001)
1,4-Dioxane	0.004
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	0.015 (RDW, NRDW)
Vinyl Chloride	ND (0.001)

MWF12-02			
Date	9/21/2016	10/24/2017	10/3/2018
Field Parameters			
pH	7.52	7.19	7.1
VOCs			
1,1,1-Trichloroethane	0.004	0.001	0.001
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)	ND (0.001)
Inorganics			
Manganese	3.91 (RDW, NRDW, NRHBDW, GSI)	0.808 (RDW, NRDW)	0.292 (RDW, NRDW)

MWM16-37			
Date	9/20/2016	10/23/2017	10/2/2018
Field Parameters			
pH	7.06	7.06	7.12
VOCs			
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl Chloride	0.009 (RDW, NRDW)	0.004 (RDW, NRDW)	0.003 (RDW, NRDW)

MWM16-31		
Date	10/23/2017	10/2/2018
Field Parameters		
pH	7.01	7.04
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)
Vinyl Chloride	0.003 (RDW, NRDW)	ND (0.001)

MWM16-21 (Replaced with MWM16-30 in 2017)			
Date	9/19/2014	9/22/2015	9/20/2016
Field Parameters			
pH	7.1	7.58	7.21
VOCs			
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl Chloride	0.00034 J	0.0011	0.003 (RDW, NRDW)

MWM16-30		
Date	10/23/2017	10/5/2018
Field Parameters		
pH	6.44	NS
VOCs		
1,1,1-Trichloroethane	0.01	NS
1,1-Dichloroethene	ND (0.001)	NS
Carbon Tetrachloride	ND (0.001)	NS
Tetrachloroethene	ND (0.001)	NS
Trichloroethene	0.015 (RDW, NRDW)	NS
Vinyl Chloride	ND (0.001)	NS

MW-04-17	
Date	10/2/2018
Field Parameters	
pH	7.07
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	ND (0.002)
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	0.04
Lead	ND (0.003)
Manganese	0.487 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	536 (RDW, NRDW, GSI)

MWW5-01	
Date	10/1/2018
Field Parameters	
pH	6.86
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.004
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	2.18 (RDW, NRDW)
Lead	ND (0.003)
Manganese	0.520 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	810 (RDW, NRDW, GSI)

TW-09-01	
Date	10/1/2018
Field Parameters	
pH	7.08
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.02 (RDW, NRDW, GSI)
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	4.71 (RDW, NRDW)
Lead	ND (0.003)
Manganese	0.561 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	1,460 (RDW, NRDW, GSI)

TW-10-02	
Date	10/1/2018
Field Parameters	
pH	6.48
VOCs	
1,4-Dioxane	0.045 (RDW)

MWF7-02	
Date	10/4/2018
Field Parameters	
pH	5.91
VOCs	
1,1,1-Trichloroethane	0.073 [0.073]
1,1-Dichloroethene	0.011 [0.011] (RDW, NRDW)
1,4-Dioxane	0.500 Y [0.500 Y] (RDW, NRDW, GSI)
Carbon Tetrachloride	ND (0.001) ND (0.001)‖
Tetrachloroethene	0.034 [0.033] (RDW, NRDW)
Trichloroethene	0.003 [0.003]
Vinyl Chloride	ND (0.001) ND (0.001)‖

MW-02-17	
Date	10/2/2018
Field Parameters	
pH	6.73
VOCs	
1,1,1-Trichloroethane	0.006
1,1-Dichloroethene	ND (0.001)
1,4-Dioxane	0.021 (RDW)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	0.006 (RDW, NRDW)
Trichloroethene	0.002
Vinyl Chloride	ND (0.001)

MWW10-03					
Date	9/18/2014	9/23/2015	9/21/2016	10/26/2017	10/2/2018
Field Parameters					
pH	7.11	7.3	7.15	7.12	6.94
PCBs					
Total PCBs	ND (0.000095)	ND (0.000095)	ND (0.0001)	ND (0.0001)	ND (0.0001)
VOCs					
1,1,1-Trichloroethane	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)
Carbon Tetrachloride	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)
Trichloroethene	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)
Inorganics					
Lead	ND (0.001)	ND (0.001)	ND (0.003)	ND (0.003)	ND (0.003)
Manganese	0.03	0.12 (RDW, NRDW)	0.060 (RDW, NRDW)	0.067 (RDW, NRDW)	0.338 (RDW, NRDW)

MWW1-04					
Date	9/23/2014	9/23/2015	9/21/2016	10/25/2017	10/4/2018
Field Parameters					
pH	11.84	9.77	11.69	11.15	11.46
PCBs					
Total PCBs	0.000348 [ND (0.0001)] (GSI)	0.00025 (GSI)	0.0001 [0.0001]	0.0001	0.0001 [ND (0.0001)]
VOCs					
1,1,1-Trichloroethane	NA	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
1,1-Dichloroethene	NA	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Carbon Tetrachloride	NA	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Tetrachloroethene	NA	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Trichloroethene	NA	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Vinyl Chloride	NA	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Inorganics					
Vanadium	0.013 [0.014] (RDW)	0.02 (RDW)	0.013 [0.013] (RDW)	0.045 (RDW, GSI)	0.016 [0.015] (RDW)

MWF12-01						
Date	9/19/2014	9/22/2015	9/21/2016	10/24/2017	1/17/2018	10/3/2018
Field Parameters						
pH	7.1	7.47 [7.47]	7.19	7.04	6.79	6.92
VOCs						
1,1,1-Trichloroethane	0.025	0.022 [0.018]	0.016 [0.017]	0.008 [0.01]	NA	NA
1,1-Dichloroethene	0.0022	0.0012 [0.0012]	ND (0.001) [0.001]	ND (0.001) [ND (0.001)]	NA	NA
1,4-Dioxane	NA	NA	NA	NA	NA	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)]	NA	NA
Tetrachloroethene	ND (0.001)	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	NA	NA
Trichloroethene	ND (0.001)	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	NA	NA
Vinyl Chloride	ND (0.001)	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	NA	NA
Inorganics						
Manganese	2.4 (RDW, NRDW, GSI)	2.8 [2.6] (RDW, NRDW, NRHBDW, GSI)	2.25 (RDW, NRDW, GSI) [5.29 (RDW, NRDW, NRHBDW, GSI)]	17.8 (RDW, NRDW, NRHBDW, GSI)	3.32 [3.12 (RDW, NRDW, NRHBDW, GSI)]	NA

INJ-01-17	
Date	10/2/2018
Field Parameters	
pH	7.06
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	ND (0.002)
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	0.360 (RDW, NRDW)
Lead	ND (0.003)
Manganese	0.402 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	562 (RDW, NRDW, GSI)

INJ-02-18	
Date	10/2/2018
Field Parameters	
pH	7.12
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.007
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	2.36 (RDW, NRDW)
Lead	ND (0.003)
Manganese	0.386 (RDW, NRDW)
Nickel	0.030
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	556 (RDW, NRDW, GSI)

MWW1-15	
Date	10/3/2018
Field Parameters	
pH	7.43
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.002
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	9.07 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	0.236 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	794 (RDW, NRDW, GSI)

MWW10-SEN02	
Date	10/5/2018 (11/29/2018)*
Field Parameters	
pH	6.75/6.55
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.007
Chromium	0.053 (GSI)
Copper	0.054 (GSI)
Iron	21.2 (RDW, NRDW, NRHBDW)
Lead	0.012 (RDW, NRDW)
Manganese	0.563 (RDW, NRDW)
Nickel	0.128 (RDW, NRDW)
Vanadium	0.021 (RDW)
Total Dissolved Solids	
TDS	1,910X (RDW, NRDW, GSI)

TW-MD-01	
Date	10/3/2018
Field Parameters	
pH	6.9
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
1,4-Dioxane	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	ND (0.002)
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	10.8 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	1.00 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	630 (RDW, NRDW, GSI)

TW-MD-02	
Date	10/3/2018
Field Parameters	
pH	6.9
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.008
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	14.3 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	0.747 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	620 (RDW, NRDW, GSI)

TW-MD-03	
Date	10/3/2018
Field Parameters	
pH	7.01
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.005
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	18.0 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	0.82 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	1,180 (RDW, NRDW, GSI)

MWW01-SEN03	
Date	10/5/2018
Field Parameters	
pH	7.57
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
1,4-Dioxane	0.026 (RDW)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.008
Chromium	0.029 (GSI)
Copper	0.016 (GSI)
Iron	21.1 (RDW, NRDW, NRHBDW)
Lead	0.011 (RDW, NRDW)
Manganese	0.477 (RDW, NRDW)
Nickel	0.023
Vanadium	0.007 (RDW)
Total Dissolved Solids	
TDS	1,110 (RDW, NRDW, GSI)

MWW01-SEN04	
Date	10/5/2018
Field Parameters	
pH	6.92
PCBs	
Total PCBs	0.0002 [0.0001] (GSI)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.005 [0.005]
Chromium	ND (0.005) [ND (0.005)]
Copper	ND (0.005) [ND (0.005)]
Iron	14.5 (RDW, NRDW, NRHBDW)
Lead	0.004 [0.003]
Manganese	0.37 [0.369] (RDW, NRDW)
Nickel	ND (0.005) [ND (0.005)]
Vanadium	ND (0.005) [ND (0.005)]
Total Dissolved Solids	
TDS	580 (RDW, NRDW, GSI)

TW-MD-07	
Date	10/4/2018
Field Parameters	
pH	6.61
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	ND (0.002)
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	23.9 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	0.201 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	958 (RDW, NRDW, GSI)

TW-MD-05	
Date	10/3/2018
Field Parameters	
pH	6.85
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.004
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	11.5 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	0.356 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	586 (RDW, NRDW, GSI)

TW-MD-06	
Date	10/4/2018
Field Parameters	
pH	6.81
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.010
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	24.9 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	0.947 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	1,080 (RDW, NRDW, GSI)

TW-MD-04	
Date	10/3/2018
Field Parameters	
pH	6.69
PCBs	
Total PCBs	ND (0.0001)
VOCs	
1,1,1-Trichloroethane	ND (0.001)
1,1-Dichloroethene	ND (0.001)
Carbon Tetrachloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	ND (0.001)
Vinyl Chloride	ND (0.001)
Inorganics	
Arsenic	0.002
Chromium	ND (0.005)
Copper	ND (0.005)
Iron	21.9 (RDW, NRDW, NRHBDW)
Lead	ND (0.003)
Manganese	1.16 (RDW, NRDW)
Nickel	ND (0.005)
Vanadium	ND (0.005)
Total Dissolved Solids	
TDS	1,700 (RDW, NRDW, GSI)

COLUMBIA AVENUE AREA

RACER

GM, LLC

GROUNDWATER ORDINANCE AREA B

GROUNDWATER ORDINANCE AREA A

LEGEND:

- APPROXIMATE GENERAL MOTORS (GM) COMPANY, LLC PROPERTY BOUNDARY
- APPROXIMATE RACER TRUST (RACER) PROPERTY BOUNDARY
- MWM1 — GROUNDWATER MONITORING WELL LOCATION
- FENCED AREA
- M-5 — APPROXIMATE AOI (AREA OF INTEREST) AREA AND IDENTIFICATION NUMBER
- OFF-SITE GROUNDWATER ORDINANCE AREA

MICHIGAN PART 201 GENERIC CRITERIA FOR GROUNDWATER

RDW – RESIDENTIAL DRINKING WATER CRITERIA
NRDW – NON-RESIDENTIAL DRINKING WATER CRITERIA
NRHBDW – NON-RESIDENTIAL HEALTH BASED DRINKING WATER VALUE
GSI – GROUNDWATER SURFACE WATER INTERFACE CRITERIA

- CONSTITUENT CONCENTRATION EXCEEDS NON-RESIDENTIAL AND RESIDENTIAL DRINKING WATER CRITERIA
- CONSTITUENT CONCENTRATION EXCEEDS RESIDENTIAL DRINKING WATER CRITERIA
- CONSTITUENT CONCENTRATION EXCEEDS GROUNDWATER SURFACE WATER INTERFACE CRITERIA AND/OR ONE OR MORE ADDITIONAL CRITERIA
- **BOLD** VALUE = CONSTITUENT CONCENTRATION EXCEEDS NON-RESIDENTIAL HEALTH BASED DRINKING WATER VALUE
- NO EXCEEDANCES OF APPLICABLE CRITERIA FROM SAMPLING EVENTS BETWEEN 2014– 2018
- * WELL DID NOT PRODUCE ENOUGH WATER FOR ENTIRE SAMPLE SET ON 10/5/2018. WELL WAS SAMPLED ON 11/29/2018 FOR REMAINING ANALYSES FOR PCBS AND TDS.

NOTES:

1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
2. ALL CONCENTRATIONS ARE PRESENTED IN MILLIGRAMS PER LITER (MG/L).
3. DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS.
4. ND (0.25) – CONSTITUENT NOT DETECTED, ASSOCIATED DETECTION LIMIT PRESENTED IN BRACKETS.
5. J – ESTIMATED CONCENTRATION.
6. NA – NOT ANALYZED
7. PCB – POLYCHLORINATED BIPHENYLS
8. VOC – VOLATILE ORGANIC COMPOUND
9. Y – ELEVATED REPORTING LIMIT DUE TO HIGH TARGET CONCENTRATIONS
10. X – ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE
11. ANALYTICAL DATA DATING BACK TO SEPTEMBER 2014 PRESENTED ON THIS FIGURE. ALL HISTORICAL DATA PRESENTED IN ATTACHMENT 3.
12. MWM16-30 COULD NOT BE LOCATED/SAMPLED IN 2018.
13. NOTE THAT ANALYTICAL PARAMETERS WHICH ARE LISTED ON THE ANALYTICAL DATABOX FIGURE INCLUDE ONLY THOSE PARAMETERS WHERE A REGULATORY EXCEEDANCE OF PROMULGATED CRITERIA FOR RDW, NRDW, GSI, AND/OR NRHBDW EXISTS ANYTIME FROM THE TIMEFRAME FROM 2014–2018.

	Units	Residential Drinking Water Criteria	Non-Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Non-Residential Health Based Drinking Water Value
PCBs					
Total PCBs	mg/L	0.0005	0.0005	0.0002	--
VOCs					
1,1,1-Trichloroethane	mg/L	0.2	0.2	0.089	--
1,1-Dichloroethene	mg/L	0.007	0.007	0.13	--
1,4-Dioxane	mg/L	0.0072	0.35	0.28	--
Carbon Tetrachloride	mg/L	0.005	0.005	0.038	--
Tetrachloroethene	mg/L	0.005	0.005	0.06	--
Trichloroethene	mg/L	0.005	0.005	0.2	--
Vinyl Chloride	mg/L	0.002	0.002	0.013	--
Inorganics					
Arsenic	mg/L	0.01	0.01	0.01	--
Chromium	mg/L	0.1	0.1	0.011	--
Copper	mg/L	1	1	0.013	4
Iron	mg/L	0.3	0.3	--	5.6
Lead	mg/L	0.004	0.004	0.014	--
Manganese	mg/L	0.05	0.05	1.3	2.5
Nickel	mg/L	0.1	0.1	0.073	--
Vanadium	mg/L	0.0045	0.062	0.027	--
Total Dissolved Solids					
TDS	mg/L	500	500	500	--

0 500' 1000'
GRAPHIC SCALE

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

GROUNDWATER ANALYTICAL SUMMARY OCTOBER 2018

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

CITY: SYRACUSE DIV/GROUP: IMDV DB: G.STOWELL PM:B.SAUNDERS LYRON■:"OFF-■REF"
C:\Users\gstowell\OneDrive - ARCADIS\IBM 360 Docs\RACER TRUST\RACER PONTIAC NORTH CAMPUS\2019\B0064607.2019\01-DWG\FIG3-DATABOX-10-2018.DWG LAYOUT:3 SAVED: 1/24/2019 3:55 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: C-LD2B-PDF-GMS PLOTSTYLETABLE:
PLTFULL.CTB PLOTTED: 1/24/2019 3:55 PM BY: STOWELL, GARY
IMAGES:
XREFS:
X-BASE-21
X-PNC-DL

Attachment 1

2009 GMP Request and USEPA Approval

Transmitted Via Email

October 30, 2009

Mr. Nate Nemani
United States Environmental Protection Agency
Region V, LU-9J
77 West Jackson Street
Chicago, IL 60604-3590
LU-9J

Re: GM Pontiac North Campus – Semi-Annual Groundwater Monitoring Program Proposed Modifications

Dear Mr. Nemani:

The purpose of this letter is to request approval from the United States Environmental Protection Agency (U.S. EPA) to modify the Groundwater Monitoring Program (GMP) for the General Motors Pontiac North Campus Facility (Facility) located in Pontiac, Michigan.

GM Corporation filed for Chapter 11 protection on June 1, 2009 under the Bankruptcy Code. On July 10, 2009, GM Company (since renamed GM LLC) was created through the sale of certain GM Corporation assets pursuant to Section 363 of the Bankruptcy Code. General Motors Corporation (renamed MLC) remains in Chapter 11 bankruptcy protection and is managing the assets that were not sold to GM Company (now GM LLC). A portion of the Pontiac North Campus is part of GM LLC and a portion remains with MLC. GM LLC and MLC are jointly submitting this request until the facility separation discussions (e.g., utility splits) are completed and we have an agreement with U.S. EPA on managing the Corrective Action in the future.

Attachment A details the proposed changes to the GMP and provides supporting information. These include the elimination of select monitoring wells and parameters, a change in monitoring frequency and terminating the program after 2 additional years of sampling.

We are requesting U.S. EPA approval of the proposed modifications to the GMP provided in Attachment A, including termination of the program after an additional 2 years (ending in November 2011) if concentrations remain stable or decline. MLC and GM LLC feel that a 2 year timeframe is appropriate given the quantity of groundwater data that has been generated since 2001. Based on the extensive database of analytical data, and the observed stability of groundwater conditions at the Facility, the proposed modifications present a modest reduction in monitoring that will continue to demonstrate that the conditions at the Facility are adequately assessed.

The next semi-annual groundwater sampling event is scheduled for early December 2009. We would appreciate your expeditious review of these modifications so we can eliminate unnecessary sampling during the December monitoring event. To facilitate your review, GM LLC and MLC propose a conference call on Thursday November 5th or Friday November 6th, 2009 to discuss these proposed modifications to the Groundwater Monitoring Program. In the meantime, if you have any questions please feel free to contact the undersigned.

Sincerely,

Robert Hare
MLC Project Manager
248-225-3277

Jean Caufield
GM LLC Project Manager
313-506-9468

cc: John McKenna, ARCADIS
Gavin O'Neill, CRA
Francis Ramacciotti, ENVIRON

Attachment A
Proposed Modifications
Semi-Annual Groundwater Monitoring Program

On October 10, 2000, GM Corporation (now MLC) and the U.S. EPA entered into a Performance Based Corrective Action Agreement for the Pontiac North Campus Site. The Site encompasses approximately 595 acres in the northwest quadrant of the City of Pontiac. Groundwater samples have been collected from select monitoring wells on a semi-annual basis since 2002 as part of the GMP to demonstrate that constituent concentrations in groundwater are stable and that migration of contaminated groundwater is not occurring. The Groundwater Monitoring Program (GMP) was presented as part of the Environmental Indicators (EI) CA750 determination (ENVIRON, 2002). Since 2002, GM Corporation added several additional monitoring wells to the GMP at the request of the U.S. EPA. Following each monitoring event a report summarizing the results was prepared and submitted to U.S. EPA. Following the semi-annual sampling events of 2008, the groundwater monitoring program was evaluated to determine if modifications to the plan are warranted.

Two initial rounds of sampling were completed at each monitoring well that was installed as part of the RFI Work Plan (ENCORE, 2001). Monitoring wells included in the GMP have been sampled on a semi-annual basis since 2002. Additional wells were added to the GMP as additional RFI activities were completed or additional groundwater monitoring was required as a provision for completed Interim Measures (IM). When the analytical data from the semi-annual sampling appeared to be anomalous an additional groundwater sample was immediately collected from that individual well to verify the results for individual constituent(s). These confirmation samples are identified as a Partial Sample Event.

A comprehensive database of these analytical results has been developed over the past eight years. Even though groundwater at the Facility is not used as a drinking water source, analytical results were compared against both Michigan Department of Environmental Quality (MDEQ) Part 201 Residential Drinking Water criteria (RDW) and Industrial Drinking Water (IDW) criteria. Stable or reducing conditions have been observed in at least four sampling events in the analytical results at several locations included in the GMP.

This submittal proposes the following:

1) Elimination of select monitoring wells and parameters from the GMP,
2) Change the frequency of monitoring from semi-annual to annual; and
3) Implement the GMP for 2 more years and terminate it after that provided the data continue to show stable or decreasing trends.

The attached Table 1 provides an evaluation of each monitoring well in the semi-annual sampling program, and indicates modifications being proposed to the sample collection frequency and associated groundwater analysis.

SEMI-VOLATILE ORGANIC COMPOUNDS

Semi-volatile organic compounds (SVOCs) were analyzed for at the majority of the monitoring wells in the GMP. Two SVOCs were only detected above drinking water criteria in three monitoring wells, IWD7, MWW1-02 and MWW1-04. Bis (2-Ethylhexyl)phthalate was detected above the screening criteria once (January 2002) out of 16 sampling events at monitoring well IWD7 and once (October 2004) out of 14 sampling events at well MWW1-02 Bis (2-Ethylhexyl)phthalate is a common laboratory contaminant. Pentachlorophenol was detected above the screening criteria in monitoring well MWW1-04 four (November 2005, February 2006, May 2006, and November 2007) out of 15 samples collected. Based on this evaluation, it is proposed that SVOCs be removed from the analytical parameter list for the GMP.

SHALLOW MONITORING WELLS

For shallow monitoring wells (designated MW) at the Facility, 8 monitoring wells are proposed for elimination from the sampling program. Sample frequency for the remaining monitoring wells is proposed to be reduced from semi-annual to annual for two more years, ending in November 2011 (see Table 1A). The eight monitoring wells (MWD6, MWW1-02, MWW1-03, MWW1-06, MWF12-02, MWM16-05, MWM16-22, and MWM16-54) are proposed to be removed from the GMP because the analytical results have either not exceeded drinking water criteria, were non-detect, or if constituents were detected above criteria the concentrations have stabilized.

Monitoring wells located downgradient of light non-aqueous phase liquid (LNAPL) Area Nos. 1, 2, 3, and 9/10 will continue to be sampled to monitor the upgradient LNAPL areas. Monitoring wells MW40-99 and MWW9-01 are all located downgradient of LNAPL areas. These monitoring locations have not exhibited elevated concentrations of volatile organic compounds (VOCs), PCBs, or site specific parameter list (SSPL) metals and detected concentrations have stabilized. However, they will continue to be sampled to monitor the upgradient LNAPL areas. We propose that these wells be sampled annually instead of the current semi-annual monitoring.

For shallow monitoring wells that have a limited number of sample events (MWW5-01, MWM16-21, MWM16-43, and MWW8-65) the sample frequency will be reduced to annually. Some of these wells have only been sampled three to five times, thus precluding observation of contaminant concentration trends.

Five shallow monitoring wells have been sampled for total dioxins (MWW1-02, MWW1-03, MWW1-04, MWW1-06, and MW40-99). Exceedances of the screening criteria were observed at MWW1-03, MWW1-04 and MW40-99. Dioxins have been reported exceeding criteria three times (15 total samples collected) in monitoring well MWW1-03 and have not been detected above criteria since May 2008. Following the detection of dioxins exceeding criteria in May 2008 a confirmatory sample was collected and the results were non-detect. Dioxins have been reported exceeding criteria once (15 total samples) in monitoring well MWW1-04 and have not been reported exceeding criteria since May 2006. Dioxins have been reported exceeding criteria twice (14 total samples) in monitoring well MW40-99 and have not been reported exceeding criteria since May 2007. We are proposing that dioxins be removed from the sampling program due to the low levels observed and stability of the analytical results.

INTERMEDIATE MONITORING WELLS

We are proposing that intermediate monitoring wells (designated IW) at the Facility be removed from the groundwater sampling program, as shown on Table 1B. Groundwater samples have been collected from monitoring well IWP5 a total of 15 times. Thallium (dissolved) was detected in this well above screening criteria in January 2001 and has not exceeded the screening criteria since (15 sample events). Acetone has also been detected above the screening criteria; however it was reported in the RFI Report (ENCORE 2002) that it has been documented that bentonite pellets, which were used in the well construction, have been known to contain acetone. Acetone is also a common laboratory contaminant Acetone has not been detected above criteria since November 2002 (12 sample events). Groundwater samples have also been collected 15 times from monitoring well IWD7. Bis (2-Ethylhexyl)phthalate, lead, and vanadium were detected above the screening criteria once in January 2002. Since that time these three constituents have not been detected above screening criteria (13 sample events). Arsenic was detected twice above screening criteria (May and November 2007 sampling events) in this well. In both subsequent sampling events (October 2007 and November 2008) arsenic did not exceed the screening criteria.

Groundwater samples have never been collected from monitoring well IWP2, due to insufficient water in the well to collect a sample. For this reason, this well should be removed from the GMP and abandoned.

DEEP MONITORING WELLS

We are proposing that deep monitoring wells (designated GW and DW) be removed from the groundwater sampling program (Table 1C). As part of the original RFI activities, groundwater monitoring wells were installed into two deeper groundwater bearing units (outwash deposits) at the Facility. Deep monitoring wells designated as GW (e.g. GWD8) were installed between 878 and 893 feet above mean sea level (AMSL) in a sand zone (upper outwash deposits). The depth of the GW wells range from 55 to 107 feet below ground surface. Monitoring wells were also installed in a deeper groundwater bearing zone (lower outwash deposits) to determine if a downward vertical hydraulic gradient existed at the Facility and if constituents detected in the shallower water bearing units had migrated to the lower water bearing units. These monitoring wells installed in the lower outwash deposits were designated as DW (e.g. DWD10) and were installed between 808 and 858 AMSL in a sand and gravel zone. The depth of the DW wells range from 115 to 150 feet below ground surface.

Chromium has been detected twice and vanadium once exceeding criteria in monitoring well GWP6. Neither has been detected above criteria since November 2007. Lead and vanadium have been detected once each exceeding criteria in monitoring well GWP3; neither has been detected above criteria since May 2005. The only other two constituents detected above criteria were methylene chloride in monitoring well DWD12 in (May 2003) and acetone in monitoring wells GWD8 (September 2001), GWD9 (May and December 2003), GWP3 (September 2001, and GWP6 (September 2001 and January 2002). Both of these constituents are common laboratory contaminants and acetone has also been documented to be contained in bentonite pellets.

Arsenic is the only other constituent observed above screening criteria in the lower outwash deposits at the Facility. The concentrations of arsenic in the monitoring wells installed in both the upper (GW) and

lower (DW) outwash deposits have been consistent over time. Elevated arsenic concentrations in groundwater in southeastern Michigan are well documented and it is believed that the concentrations detected in these deep monitoring wells are associated with regional background levels. In addition, for monitoring wells were arsenic has been detected above criteria the concentrations have stabilized.

Due to the lack of reported exceedances of VOCs, SVOCs, and PCBs in the deep saturated groundwater zone, it is proposed that the deep monitoring wells be removed from the groundwater monitoring program.

Tables 1A through 1C provide a detailed summary of the proposed changes to the groundwater monitoring program. Appendix A provides the complete set of the semi-annual groundwater sampling analytical tables.

Subject: FW: GM Pontiac North Campus - Semi-Annual Groundwater Monitoring Program Proposed Modifications
Attachments: PNC GMP Moficication Proposal 10-30-09.pdf

-----Original Message-----
From: Nemani.Nate@epamail.epa.gov [mailto:Nemani.Nate@epamail.epa.gov]
Sent: Monday, November 23, 2009 2:59 PM
To: Hare, Robert
Cc: Landale, Beth; jean.e.caufield@gm.com; McKenna, John; O'Neill, Gavin
Subject: Re: GM Pontiac North Campus - Semi-Annual Groundwater Monitoring Program Proposed Modifications

Bob:

The proposal modifications to the semi-annual Groundwater Monitoring Program (GMP) outlined in the October 30, 2009 e-mail w/ attachments for the subject facility have been reviewed.

The submittal requested approval for the following provisions.

a) Elimination of select monitoring wells and parameters from the GMP .

b) Change of frequency of monitoring from semi-annual to annual for certain wells.

c) Implement the GMP for two (2) more years and terminate it after that provided the data continue to show stable or decreasing trends.

Based on the review and the justifications offered for the changes, the above provisions a) and b) are hereby approved.

Regarding the provision c), to terminate the GW monitoring after 2 years, a separate request , will need to be submitted at the of the 2-year period with pertinent documentation.

If you have any questions, please contact me.

Nate

NATE NEMANI, P.E.
RCRA CORRECTIVE ACTION PROJECT MANAGER
LAND AND CHEMICALS DIVISION
REMEDIATION AND REUSE BRANCH,
U. S.EPA, REGION 5 ,
77 W JACKSON Blvd, CHICAGO,ILLINOIS,60604, Mail Code: LU-9J
(312) 886-3224 (PHONE)
(312) 692-2176 (FAX)
nemani.nate@epa.gov (e-mail address)

From: "O'Neill, Gavin" <goneill@craworld.com>

To: Nate Nemani/R5/USEPA/US@EPA

Cc: "Hare, Robert" <rhare@alixpartners.com>, <jean.e.caufield@gm.com>, "Landale, Beth"
<blandale@craworld.com>, "McKenna, John" <John.McKenna@arcadis-us.com>

Date: 10/30/2009 01:02 PM

Subject: GM Pontiac North Campus - Semi-Annual Groundwater Monitoring Program Proposed Modifications

Mr. Nemani

Please find attached a joint request from GM LLC and MLC to modify the Semi-Annual Groundwater Monitoring Program for the GM Pontiac North Campus. As presented in the attached letter, we are proposing a conference call next week on either November 5 or 6, 2009 to discuss the proposed modifications. Please let us know at your earliest convenience your availability for those dates.

Should you have any questions or require additional information, please contact our office.

_____--------_____
Gavin O'Neill
Conestoga-Rovers & Associates (CRA)

1880 Assumption St., Unit 200
Windsor, Ontario, N8Y 1C4

Phone: 519.996.9886
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Email: goneill@CRAworld.com
www.CRAworld.com
Think before you print P
Perform every task the safe way, the right way, every time!

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[attachment "PNC Proposed Modifications to GMP.pdf" deleted by Nate Nemani/R5/USEPA/US]

Attachment 2

2018 GMP Request and USEPA Approval

MEMO

ARCADIS Design & Consultancy for natural and built assets

To:

Nate Nemani

USEPA Region 5

77 West Jackson Boulevard

Mail Code: LU-9J

Chicago, Illinois 60604-3507

Copies:

Dave Favero, RACER

Arcadis File

Arcadis of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

From:

Brad Saunders, P.E.

Date:

August 27, 2018

Arcadis Project No.:

B0064607.2018

Subject:

RACER Pontiac North Campus – Groundwater Monitoring Program Modification Request

---

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, Arcadis of Michigan, LLC (Arcadis) is requesting approval from the United States Environmental Protection Agency (USEPA) to modify the annual groundwater monitoring program at the Pontiac North Campus Site (the Site) located in Pontiac, Michigan (**Figure 1**).

The purpose of this request is to revise the program to incorporate recommended analysis and/or gauging of certain monitoring wells based on the results of continued investigation activities and recommendations pertaining to proposed corrective measures being implemented at the facility.

Based on the results of groundwater investigation activities for 1,4-dioxane and volatile organic compounds (VOCs) at the southwestern Fiero boundary, the following modifications are proposed:

- Add monitoring well MW-02-17 to the annual groundwater sampling list in lieu of monitoring well MWF1R, add both monitoring wells MW-16-23 and MW-16-25, and add new monitoring well MW-05-18 (installed August 2018) to monitor trends in VOCs and 1,4-dioxane concentrations.
- In addition to recommendations above and to facilitate future monitoring for trends in VOCs and 1,4-dioxane concentrations, add monitoring wells MWF7-02, MWF16-06, MW-01-17, TW-MD-01 and TW-MD-07 to the list of monitoring wells gauged and sampled for VOCs and 1,4-dioxane analysis. Also add 1,4-dioxane to the list of analytical parameters for monitoring wells MWF12-01, MWW01-SEN03, MWW1-04, MW40-99, and TW-10-02, and add VOCs to the list of analytical parameters for MWOS-01.

Based on the results of ongoing LNAPL investigation and testing activities, the following modifications are proposed:

- Add annual groundwater and LNAPL gauging of monitoring wells SB-08-14, SB-25-14, SB-43-14, and maintain annual gauging of groundwater and LNAPL of monitoring wells MWW8-65 and TWW8-01.

Based on the approved Proposed Monitoring Well Network (Table 4 in the Montcalm Seep Interim Measures Work Plan), the following modifications are proposed to incorporate baseline (2018) and future annual monitoring requirements:

- Maintenance of gauging for monitoring wells TW-01-03, TW-10-01, and TW-10-02, and expansion of monitoring wells MWW01-SEN03, MWW01-SEN04, MWW5-01, TW-09-01, MWW10-SEN02 which are already on the annual gauging list to include sampling for analysis of specified parameters.
- Addition of injection wells INJ-01-17 and INJ-02-18 (installed August 2018) and monitoring wells MW-03-17, MW-04-17, TW-MD-01, TW-MD-02, TW-MD-03, TW-MD-04, TW-MD-05, TW-MD-06, TW-MD-07, and MWW1-15 to include annual gauging and sampling for specified parameters.

Based on a combination of past analytical results and the availability of data from other nearby monitoring wells and due to complications related to accessibility:

- Remove MWF16-17, MWW8-34, MWW8-45, MWW8-48, RWW8-119, RWW8-124, RWW8-125, RWW8-130, RWW8-131, RWW8-132, TWM2-04, TWMW-05, MWM16-15 and MWM16-45 from the list of monitoring wells which are gauged annually. Also remove MWF1R, MWM16-29, and MWM16-36 from the list of monitoring wells gauged and sampled for VOC analysis annually, and remove annual analysis of VOCs and inorganics from monitoring well MWF12-01.

In conclusion, USEPA approval of the is requested. Please contact us if you have any questions regarding this memo or its attachments.

Sincerely,

Arcadis of Michigan, LLC

Brad Saunders, P.E.
Principal Engineer/ Certified Project Manager

Table

Table 1 Annual GW Monitoring List (Rev 2018)

Figures

Figure 1 Site Location

Figure 2 Annual Groundwater Monitoring Wells

TABLES

Table 1
Annual Groundwater Monitoring List
RACER Trust Pontiac North Campus

Well ID	Annual Gauging	Annual Sampling	VOCs	1,4-dioxane	Inorganics	PCBs	Geochemical per Montcalm Seep IMWP	Notes
SITEWIDE								
MWF1R				--	--	--	--	--
OFFSITE								
MWOS-01	X	X	X	--	--	--	--	--
MWOS-02	X	--	--	--	--	--	--	--
MWOS-03	X	--	--	--	--	--	--	--
MWOS-04	X	--	--	--	--	--	--	--
MWOS-06	X	--	--	--	--	--	--	--
FIERO								
F-7								
MWF7-01				--	--	--	--	--
MWF7-02	X	X	X	X	--	--	--	--
F-8								
MWF8-01	X	X	X	--	--	--	--	--
F-12								
MWF12-01	X	X		X		--	--	--
MWF12-02	X	X	X	--	Mn	--	--	--
F-16								
MWF16-10	X	--	--	--	--	--	--	--
MWF16-11	X	--	--	--	--	--	--	--
MWF16-05	X	--	--	--	--	--	--	--
MWF16-06	X	X	X	X	--	--	--	--
MWF16-17		--	--	--	--	--	--	--
MWF16-16	X	--	--	--	--	--	--	--
MWF16-23	X	X	X	X	--	--	--	--
MWF16-25	X	X	X	X	--	--	--	--
MW-02-17	X	X	X	X	--	--	--	--
MW-05-18	X	X	X	X	--	--	--	Installed August 2018

Abbreviations
Mn - Manganese
Pb - Lead
PCBs - Polychlorinated biphenyls
Sb - Antimony
V - Vanadium
VOCs - Volatile organic compounds

Footnotes:
Geochemical sampling per the Montcalm Seep IMWP includes: calcium, iron, manganese, magnesium, alkalinity, hardness, dissolved and suspended solids.

No change in annual gauging and/or sampling.
Well and/or associated test parameters are proposed to be added to annual gauging and/or sampling.
Well has become subject to an annual gauging and sampling requirement relevant to the Montcalm Seep IMWP baseline and annual monitoring program.
Well and/or associated test parameters are proposed to be removed from annual gauging and/or sampling.

Well ID	Annual Gauging	Annual Sampling	VOCs	1,4-dioxane	Inorganics	PCBs	Geochemical per Montcalm Seep IMWP	Notes
PONTIAC SCHOOL BOARD PROPERTY RIGHT-OF-WAY								
MWPS-02	X	--	--	--	--	--	--	--
DEMOLITION AREA								
W-1								
MWW01-SEN03	X	X	X	X	X	X	X	Previously annual gauging only; subject to Montcalm seep monitoring
MWW01-SEN04	X	X	X	--	X	X	X	Previously annual gauging only; subject to Montcalm seep monitoring
MWW1-04	X	X	X	X	Sb, V	X	--	--
MWW1-06	X	--	--	--	--	--	--	--
MW-40-99	X	X	X	X	--	X	--	--
MW-01-17	X	X	X	X	--	--	--	
TW-01-01	X	--	--	--	--	--	--	--
TW-01-02	X	--	--	--	--	--	--	--
TW-01-03	X	--	--	--	--	--	--	Previously annual gauging; also subject per Montcalm Seep IMWP
SB-43-14	X	--	--	--	--	--	--	--
W-5								
MWW5-01	X	X	X	--	X	X	X	Previously annual gauging only; subject to Montcalm seep monitoring
W-8								
TW-03-01	X	--	--	--	--	--	--	--
MWW8-34		--	--	--	--	--	--	--
MWW8-45		--	--	--	--	--	--	--
MWW8-48		--	--	--	--	--	--	--
MWW8-65	X	--	--	--	--	--	--	--
RWW8-119		--	--	--	--	--	--	--
RWW8-124		--	--	--	--	--	--	--
RWW8-125		--	--	--	--	--	--	--
RWW8-129	X	--	--	--	--	--	--	--
RWW8-130		--	--	--	--	--	--	--
RWW8-131		--	--	--	--	--	--	--
RWW8-132		--	--	--	--	--	--	--
RWW8-133	X	--	--	--	--	--	--	--

Abbreviations
Mn - Manganese
Pb - Lead
PCBs - Polychlorinated biphenyls
Sb - Antimony
V - Vanadium
VOCs - Volatile organic compounds

Footnotes:
Geochemical sampling per the Montcalm Seep IMWP includes: calcium, iron, manganese, magnesium, alkalinity, hardness, dissolved and suspended solids.

No change in annual gauging and/or sampling.
Well and/or associated test parameters are proposed to be added to annual gauging and/or sampling.
Well has become subject to an annual gauging and sampling requirement relevant to the Montcalm Seep IMWP baseline and annual monitoring program.
Well and/or associated test parameters are proposed to be removed from annual gauging and/or sampling.

Well ID	Annual Gauging	Annual Sampling	VOCs	1,4-dioxane	Inorganics	PCBs	Geochemical per Montcalm Seep IMWP	Notes
W-8								
TW-11-01	X	--	--	--	--	--	--	--
TW-11-02	X	--	--	--	--	--	--	--
TW-09-01	X	X	X	--	X	X	X	Previously annual gauging only; subject to Montcalm seep monitoring
TW-10-01	X	--	--	--	--	--	--	Previously annual gauging; also subject per Montcalm Seep IMWP
TW-10-02	X	--	--	X	--	--	--	Previously annual gauging; also subject per Montcalm Seep IMWP
TWW8-01	X	--	--	--	--	--	--	--
W-10								
MWW10-03	X	X	X	--	Pb, Mn	X	--	--
MWW10-SEN01	X	--	--	--	--	--	--	--
MWW10-SEN02	X	X	X	--	X	X	X	Previously annual gauging only; subject to Montcalm seep monitoring
SB-25-14	X	--	--	--	--	--	--	--
SB-08-14	X	--	--	--	--	--	--	--
MFD								
M-2								
MWM2-22	X	--	--	--	--	--	--	--
MWM2-28	X	--	--	--	--	--	--	--
MWM2-37	X	--	--	--	--	--	--	--
TWM2-04		--	--	--	--	--	--	No longer present, accessible or necessary
TWM2-05		--	--	--	--	--	--	No longer present, accessible or necessary
M-4								
MWM4-05	X	--	--	--	--	--	--	--
MWM4-06R	X	--	--	--	--	--	--	--
M-5								
MWM5-02	X	--	--	--	--	--	--	--
MWM5-03	X	--	--	--	--	--	--	--

Abbreviations
Mn - Manganese
Pb - Lead
PCBs - Polychlorinated biphenyls
Sb - Antimony
V - Vanadium
VOCs - Volatile organic compounds

Footnotes:
Geochemical sampling per the Montcalm Seep IMWP includes: calcium, iron, manganese, magnesium, alkalinity, hardness, dissolved and suspended solids.

No change in annual gauging and/or sampling.
Well and/or associated test parameters are proposed to be added to annual gauging and/or sampling.
Well has become subject to an annual gauging and sampling requirement relevant to the Montcalm Seep IMWP baseline and annual monitoring program.
Well and/or associated test parameters are proposed to be removed from annual gauging and/or sampling.

Well ID	Annual Gauging	Annual Sampling	VOCs	1,4-dioxane	Inorganics	PCBs	Geochemical per Montcalm Seep IMWP	Notes
M-16								
MWM16-02	X	X	X	--	--	--	--	--
MWM16-15		--	--	--	--	--	--	--
MWM16-29				--	--	--	--	--
MWM16-30	X	X	X	--	--	--	--	--
MWM16-31	X	X	X	--	--	--	--	--
MWM16-36				--	--	--	--	--
MWM16-37	X	X	X	--	--	--	--	--
MWM16-45		--	--	--	--	--	--	--
M-31/M-32								
MWM31-02	X	X	X	--	--	--	--	--
MWM32-01	X	X	X	--	--	--	--	--
Montcalm Seep Monitoring								
INJ-01-17	X	X	X	--	X	X	X	--
INJ-02-18	X	X	X	--	X	X	X	Installed August 2018
MW-03-17	X	X	X	--	X	X	X	--
MW-04-17	X	X	X	--	X	X	X	--
TW-MD-01	X	X	X	X	X	X	X	--
TW-MD-02	X	X	X	--	X	X	X	--
TW-MD-03	X	X	X	--	X	X	X	--
TW-MD-04	X	X	X	--	X	X	X	--
TW-MD-05	X	X	X	--	X	X	X	--
TW-MD-06	X	X	X	--	X	X	X	--
TW-MD-07	X	X	X	X	X	X	X	--
MWW1-15	X	X	X	--	X	X	X	--

Abbreviations
Mn - Manganese
Pb - Lead
PCBs - Polychlorinated biphenyls
Sb - Antimony
V - Vanadium
VOCs - Volatile organic compounds

Footnotes:
Geochemical sampling per the Montcalm Seep IMWP includes: calcium, iron, manganese, magnesium, alkalinity, hardness, dissolved and suspended solids.

No change in annual gauging and/or sampling.
Well and/or associated test parameters are proposed to be added to annual gauging and/or sampling.
Well has become subject to an annual gauging and sampling requirement relevant to the Montcalm Seep IMWP baseline and annual monitoring program.
Well and/or associated test parameters are proposed to be removed from annual gauging and/or sampling.

FIGURES

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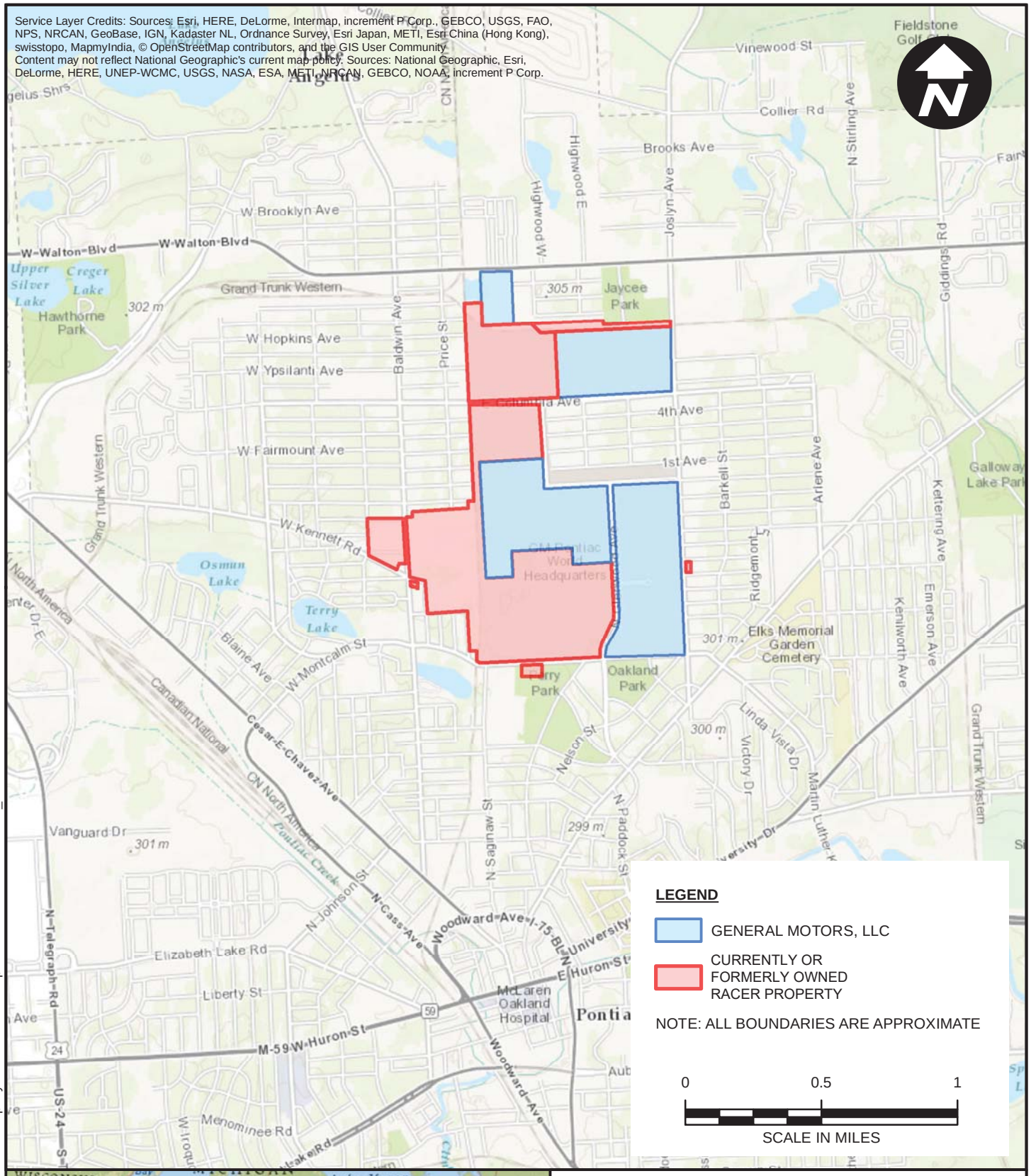

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SITE LOCATION

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

PROJECT NUMBER: B0064411.0001.00145
CITY:NOVI DIV/GROUP:ENV DB: PIC: PM: TM: TR:
Path: D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampus\Documents\SiteLocation_AOC.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

MWM4-05
MWM4-06R
MWM16-15
MWM16-45
MWM16-30
MWM16-29
MWM5-02
MWM5-03
MWM16-02
MWM16-31
MWM16-37
MWM16-36
MWM31-02
MWM32-01
MWF8-01
MWF16-10
MWF16-17
MWF16-11
MWF16-05
MWF16-06
MWF16-16
MWF16-25
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MWF1R
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SB-08-14
MWM2-22
MWM2-28
TWM2-04
TWM2-05
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MW-04-17
MW-03-17
INJ-02-18
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TW-09-01
TW-03-01
TW-11-01
TW-11-02
TWW8-01
MWW8-65
MWW5-01
SB-25-14
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TW-01-03
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MWW01-SEN04
MWW1-15
MW-40-99
TW-MD-07
MWW1-04
MW-01-17
MWOS-01
MWOS-02
MWOS-03
MWW1-06
MWOS-04
MWOS-06
TW-MD-06
TW-MD-05
TW-MD-04
MWPS-02

LEGEND

- ▲ INJECTION WELL
- ◭ MONITORING WELL
- ● SOIL BORING/MONITORING WELL
- WELL AND/OR ASSOCIATED TEST PARAMETERS ARE PROPOSED TO BE ADDED TO ANNUAL GAUGING AND/OR SAMPLING.
- NO CHANGE IN ANNUAL GAUGING AND/OR SAMPLING.
- WELL HAS BECOME SUBJECT TO AN ANNUAL GAUGING AND SAMPLING REQUIREMENT RELEVANT TO THE MONTCALM SEEP IMWP BASELINE AND ANNUAL MONITORING PROGRAM.
- WELL AND/OR ASSOCIATED TEST PARAMETERS ARE PROPOSED TO BE REMOVED FROM ANNUAL GAUGING AND/OR SAMPLING.

0 500 1,000
SCALE IN FEET

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

ANNUAL GROUNDWATER MONITORING WELLS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: NOVI, MI DIV: ENV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampus\Documents\Annual GW MonitoringWells 2018.mxd PLOTTED: 8/23/2018 11:35:58 AM BY: TYarbrough

Saunders, Brad

From: Nemani, Nate <nemani.nate@epa.gov>
Sent: Monday, September 17, 2018 2:48 PM
To: Saunders, Brad
Cc: Dave Favero
Subject: RE: RACER PNC - Annual Groundwater Program Modification Memorandum Report / Approval Request

Brad:

EPA hereby grants approval to implement the Annual Groundwater Monitoring with the modifications as outlined in the August 27, 2018 memo/report.

If there are any questions, feel free to contact me.

Nate

NATE NEMANI, P.E.
RCRA CORRECTIVE ACTION PROJECT MANAGER
LAND AND CHEMICALS DIVISION
REMEDIATION AND REUSE BRANCH,
U. S.EPA, REGION 5 ,
77 W JACKSON Blvd, CHICAGO,ILLINOIS,60604, Mail Code: LU-9J
(312) 886-3224 (PHONE)
(312) 692-2176 (FAX)
nemani.nate@epa.gov (e-mail address)

From: Saunders, Brad [mailto:Brad.Saunders@arcadis.com]
Sent: Monday, August 27, 2018 6:28 PM
To: Nemani, Nate <nemani.nate@epa.gov>
Cc: Dave Favero <dfavero@racertrust.org>
Subject: RACER PNC - Annual Groundwater Program Modification Memorandum Report / Approval Request

Nate,

As follow-up to the proposed modifications to the annual groundwater monitoring program which were discussed during our monthly update call today, attached is an electronic version of the memo report and associated table and figures prepared to summarize and highlight/depict changes to the list of monitoring wells proposed to be gauged and sampled during the annual event. Arcadis will also forward two hard copies of the report to your attention.

Upon review, please provide back any questions, or otherwise your approval for implementing changes which are planned for the event scheduled from October 1-5, 2018.

Thanks,

Brad

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Arcadis | Arcadis U.S., Inc. **|** Arcadis of Michigan, LLC
M. +1 517 974 4441

Professional Engineer / PE-MI, 6201050540

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ARCADIS Design & Consultancy for natural and built assets

Be green, leave it on the screen.

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Attachment 3

HISTORICAL SEMI-ANNUAL AND ANNUAL SAMPLING EVENT GROUNDWATER ANALYTICAL DATA SUMMARY (CD)

ARCADIS Design & Consultancy for natural and built assets

January 2018

Appendix C

2018 Annual Groundwater Monitoring Report (Pontiac North Campus)

ARCADIS Design & Consultancy for natural and built assets

January 2018

Appendix C

2018 Annual Groundwater Monitoring Report (Pontiac North Campus)

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10
Date Collected:	Units	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/07/07	05/07/08	11/06/08
VOCs															
1,1,1-Trichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.01 U	0.0033 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.02 U	0.0067 U	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.1 U	0.033 UJ	0.00096 J	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.1 U	0.033 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.1 U	0.033 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.1 U	0.033 UJ	0.045 J	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.01 UJ	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.01 UJ	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.00021 J	0.001 U	0.001 U	0.00014 J	0.00021 J	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.005 U	0.0017 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ
Cyclohexane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Dibromochloromethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.02 U	0.0067 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ
Ethylbenzene	mg/L	0.01 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Isopropylbenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00061 J	0.001 U
Methyl acetate	mg/L	0.1 U	0.033 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Methyl Tert Butyl Ether	mg/L	0.05 U	0.017 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.01 U	0.0016 J	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.01 UJ	0.0033 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0006 J	0.001 U
Tetrachloroethene	mg/L	0.01 UJ	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.01 U	0.0033 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.005 UJ	0.0017 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Trichloroethene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Trifluorotrichloroethane (Freon 113)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10
Date Collected:	Units	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/07/07	05/07/08	11/06/08
SVOCs															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Carbazole	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.00041 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	DWD10 01/22/02	DWD10 11/12/02	DWD10 05/19/03	DWD10 12/11/03	DWD10 05/03/04	DWD10 10/26/04	DWD10 05/11/05	DWD10 11/02/05	DWD10 05/17/06	DWD10 11/13/06	DWD10 05/02/07	DWD10 11/07/07	DWD10 05/07/08	DWD10 11/06/08
Hexachlorocyclopentadiene	mg/L	0.005 UJ	0.005 U	0.005 UJ	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs															
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.006	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	DWD10 01/22/02	DWD10 11/12/02	DWD10 05/19/03	DWD10 12/11/03	DWD10 05/03/04	DWD10 10/26/04	DWD10 05/11/05	DWD10 11/02/05	DWD10 05/17/06	DWD10 11/13/06	DWD10 05/02/07	DWD10 11/07/07	DWD10 05/07/08	DWD10 11/06/08
CDD/F-Filtered															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10
Date Collected:	Units	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/07/07	05/07/08	11/06/08
CDD/F-Filtered															
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	R	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0014 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered															
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	mg/L	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.0044 J	0.0145 J	0.0055 J	0.0069 J	0.0053 J	0.0104	0.0061 J	0.0072	0.0074	0.0093	0.0084	0.0067	0.006
Barium	mg/L	0.126	0.148	0.16 J	0.15	0.146	0.146	0.168	0.154	0.151	0.153	0.167	0.155	0.492	0.477
Beryllium	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0034 J	0.0033 J	0.0091 J	0.0035 J	0.01 U	0.01 U	0.0063 J	0.01 U	0.01 U	0.01 U	0.0024 J	0.0098 J	0.0058 J	0.0049 J
Cobalt	mg/L	0.02 U	0.02 U	0.00076 J	0.02 U	0.0052 J	0.02 U	0.001 J	0.0026 J	0.02 U	0.02 U	0.02 U	0.02 U	0.004 J	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.0016 J	0.003 U	0.003 U	0.003 U	0.003	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.01 U	0.0296	0.0326 J	0.0243	0.0243	0.0228	0.0387	0.0229	0.0251	0.0262	0.0267	0.0276	0.0212	0.0195
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.003 J	0.0048 J	0.0099 J	0.0039 J	0.02 U	0.02 U	0.0067 J	0.02 U	0.02 U	0.02 U	0.0021 J	0.0076 J	0.02 U	0.0046 J
Selenium	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 UJ	0.00004 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0523	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10
Date Collected:	Units	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/07/07	05/07/08	11/06/08
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.115	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.0345 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.49	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	0.478	NA	NA	NA	NA	NA	NA	491	0.478	1.174	1.33
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05	0.2	0.38	1.59	0.05
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-84	147	-124	-169	-199
pH Field	pH Units	NA	NA	NA	NA	NA	7.6	7.56	7.6	7.35	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	7.61	NA	NA	NA	NA	NA	7.59	6.78	7.32	7.36	6.89
Temperature	Deg C	NA	NA	NA	9.39	NA	NA	NA	NA	NA	12.22	12.69	11.32	14.21	15.46
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35	65	60
Turbidity (Field)	NTU	NA	NA	NA	4.81	NA	NA	NA	NA	NA	4.49	3.21	4.5	NA	4.42

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
Date Collected:	Units	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07
VOCs													
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,2,4-Trichlorobenzene	mg/L	0.001 UJ	0.001 UJ	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 UJ	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
2-Hexanone	mg/L	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Acetone	mg/L	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ [0.01 UJ]	0.01 U	0.01 U [0.01 U]
Benzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Carbon disulfide	mg/L	0.00024 J	0.00055 J	0.00093 J	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.00027 J	0.001 U [0.001 U]
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]
Ethylbenzene	mg/L	R	R	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Methyl Tert Butyl Ether	mg/L	0.0052	0.0014 J	0.0027 J	NA	0.005 U	0.005 UJ	0.00037 J	0.0003 J	0.00019 J	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Methylene chloride	mg/L	0.001 U	0.001 U	0.018	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Styrene	mg/L	0.001 U	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Toluene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.00038 J	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	NA	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Xylene (total)	mg/L	0.001 U	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
Date Collected:	Units	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07
SVOCs													
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 UJ	0.02 U [0.02 U]
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.00054 J	0.005 U [0.005 U]	0.005 UJ	0.005 U [0.005 U]
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00088 J [0.00084 J]	0.005 U	0.005 U [0.005 U]
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	DWD12 01/18/02	DWD12 11/12/02	DWD12 05/20/03	DWD12 10/31/03	DWD12 12/17/03	DWD12 05/04/04	DWD12 10/27/04	DWD12 05/13/05	DWD12 11/04/05	DWD12 05/18/06	DWD12 11/10/06	DWD12 05/04/07
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	R	NA	R	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
SVOCs													
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Phenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
CDD/F													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
Date Collected:	Units	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07
CDD/F-Filtered													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
Date Collected:	Units	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07
CDD/F-Filtered													
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs													
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U [0.0004 U]
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U [0.0002 U]
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U [0.0016 U]	0.0016 U	0.0016 U [0.0016 U]
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U [0.0004 U]
Pests/PCBs-Filtered													
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics													
Antimony	mg/L	0.025 U	0.025 U	0.025 U	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U [0.025 U]
Arsenic	mg/L	0.0312	0.0395	0.0364	NA	0.0413	0.0413	0.0384	0.0396	0.0409	0.0391 [0.0016 J]	0.0362	0.0394 [0.0394]
Barium	mg/L	0.215	0.585	0.494	NA	0.523	0.49	0.481	0.481	0.41	0.373 [0.0311]	0.394	0.421 [0.457]
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Chromium (Total)	mg/L	0.01 U	0.0084 J	0.0047 J	NA	0.0068 J	0.0074 J	0.0027 J	0.0108	0.0026 J	0.016 [0.0033 J]	0.0019 J	0.01 U [0.01 U]
Cobalt	mg/L	0.02 U	0.02 U	0.0084 J	NA	0.02 U	0.0067 J	0.0045 J	0.02 U	0.02 U	0.02 U [0.02 U]	0.0064 J	0.02 U [0.02 U]
Copper	mg/L	0.005 U	0.005 U	0.005 U	NA	0.0059 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U [0.003 U]	0.003 U	0.003 U [0.003 U]
Manganese	mg/L	0.01 U	0.0675	0.0597	NA	0.0562	0.0548	0.0522	0.0615	0.0513	0.0577 [0.0138]	0.0515	0.0441 [0.0476]
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]
Nickel	mg/L	0.02 U	0.0093 J	0.0031 J	NA	0.0038 J	0.0061 J	0.02 U	0.0096 J	0.02 U	0.0095 J [0.0024 J]	0.0024 J	0.02 U [0.02 U]
Selenium	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Silver	mg/L	0.005 U	0.0013 J	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]
Zinc	mg/L	0.02 U	0.02 U	0.02 U	NA	0.023	0.02 U	0.02 U	0.02 U	0.02 U	0.0222 [0.0115 J]	0.02 U	0.02 U [0.02 U]

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
Date Collected:	Units	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07
Inorganics-Filtered													
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.0259	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.202	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous													
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters													
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.93	NA
Conductivity Field	umhos/cm	NA	NA	NA	NA	2.18	NA	NA	NA	NA	NA	NA	1,620
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.15	0.38
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-93	-95
pH Field	pH Units	NA	NA	NA	NA	NA	NA	7.03	6.93	7.34	6.74	NA	NA
pH Field	s.u.	NA	NA	NA	NA	7.15	NA	NA	NA	NA	NA	7.14	7.04
Temperature	Deg C	NA	NA	NA	NA	7.93	NA	NA	NA	NA	NA	13.92	15.25
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NA
Turbidity (Field)	NTU	NA	NA	NA	NA	4.63	NA	NA	NA	NA	NA	4.62	2.31

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R	GWD8R
Date Collected:	Units	11/09/07	05/08/08	11/06/08	09/14/01	01/10/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07
VOCs															
1,1,1-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.006 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.01 U	0.0031 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.012 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	0.0064 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0096 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.00048 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0068 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 U	0.025 U	0.0062 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0088 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0044 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0084 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0068 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.006 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0068 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00027 J	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.016 U	0.031 UJ	0.01 U	0.01 U	0.00041 J	0.01 UJ	0.01 U	0.01 U	0.01 U	0.0013 J	0.01 U
2-Hexanone	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.018 U	0.031 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.0092 U	0.031 U	0.00032 J	0.00036 J	R	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0012 J	3.1	0.14 J	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.016	0.01 U
Benzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0064 U	0.0045	0.00056 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	0.0068 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0072 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	0.008 U	0.0031 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U
Carbon disulfide	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.008 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.00038 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0048 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0056 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.01 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	0.0056 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.00033 J [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0052 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00025 J	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0088 U	0.0016 UJ	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 UJ	0.0048 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 UJ	0.0052 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	0.01 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 UJ	0.01 U	0.0062 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	0.0048 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0048 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.016 U	0.031 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	0.006 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0052 U	0.016 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.014 U	0.0031 UJ	0.001 U	0.0022 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.006 U	0.0031 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0092 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0072 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.011 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.006 U	0.0016 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	0.011 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0056 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	0.011 U	0.0031 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.013 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.006 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U [0.002 U]	0.002 UJ [0.002 UJ]	0.002 U	0.013 U	0.0031 UJ	0.001 U	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R	GWD8R
Date Collected:	Units	11/09/07	05/08/08	11/06/08	09/14/01	01/10/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07
SVOCs															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00078 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0012 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0017 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.00085 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00085 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.003 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00079 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00057 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ	0.00085 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00064 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 UJ [0.02 UJ]	0.02 U [0.02 U]	0.02 U	0.0007 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0021 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.00093 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.00071 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.0013 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00088 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00099 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.00061 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00079 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0013 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.0013 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.0019 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0008 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00071 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.0026 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00068 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0025 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.0028 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0007 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00073 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00094 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00085 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00084 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ	0.0026 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00087 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00097 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0027 U	0.005 U	0.0029 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0012 J	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00088 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ	0.0025 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.00082 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00075 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00079 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00065 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00076 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00067 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00081 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00074 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00073 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R	GWD8R
Date Collected:	Units	11/09/07	05/08/08	11/06/08	09/14/01	01/10/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07
Hexachlorocyclopentadiene	mg/L	0.005 UJ [0.005 UJ]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00074 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs															
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00063 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00063 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0013 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00075 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00081 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00067 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0014 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0024 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00082 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0026 U	0.0052	0.0088	0.005 U	0.0092	0.018	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R	GWD8R
Date Collected:	Units	11/09/07	05/08/08	11/06/08	09/14/01	01/10/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07
CDD/F-Filtered															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R	GWD8R
Date Collected:	Units	11/09/07	05/08/08	11/06/08	09/14/01	01/10/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07
CDD/F-Filtered															
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000054 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.00011 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U	0.000056 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000075 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000061 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000082 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000044 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U [0.0016 U]	0.0016 U [0.0016 U]	0.0016 U	0.000482 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U	0.00011 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered															
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	0.000054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	0.00011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	0.000056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	0.000075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	0.000061 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	0.000082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	0.000044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	0.000482 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	0.00011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	mg/L	0.025 U [0.025 U]	0.025 U [0.025 U]	0.025 U	0.0022 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0344 [0.0361]	0.0363 [0.0367]	0.0334	0.0039 U	0.01 U	0.0075 J	0.0088 J	0.0086 J	0.0062 J	0.0091 J	0.007 J	0.0064	0.005 U	0.0013 J
Barium	mg/L	0.476 [0.46]	0.461 [0.476]	0.441	0.238	0.363	0.458	0.449	0.483	0.526	0.522	0.541	0.526	0.355	0.485
Beryllium	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.00054 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00028 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0064 J [0.0048 J]	0.01 U [0.01 U]	0.0302	0.0014 U	0.0038 J	0.0023 J	0.0214	0.0041 J	0.01 U	0.01 U	0.0045 J	0.0041 J	0.0258	0.01 U
Cobalt	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.0136 J	0.0013 U	0.0022 J	0.0011 J	0.0063 J	0.0059 J	0.0018 J	0.0013 J	0.0013 J	0.0013 J	0.0037 J	0.0041 J
Copper	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0064	0.0042 U	0.005 U	0.005 U	0.0045 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0019 J
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U [0.003 U]	0.003 U [0.003 U]	0.003 U	0.0025 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.0559 [0.0533]	0.0479 [0.0498]	0.0989	0.0712	0.067 J	0.0451	0.0638	0.0436	0.0416	0.0554	0.0516	0.0475	0.0936	0.0558
Mercury	mg/L	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000069 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0053 J [0.0035 J]	0.02 U [0.02 U]	0.0212	0.0022 U	0.0072 J	0.02 U	0.016 J	0.0054 J	0.0039 J	0.02 U	0.0035 J	0.0034 J	0.0154 J	0.02 U
Selenium	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0045 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0015 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0023 J	0.00082 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.012 U	0.0165 J	0.02 U	0.02 U	0.0218	0.02 U	0.0188 J	0.02 U	0.014 J	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R	GWD8R
Date Collected:	Units	11/09/07	05/08/08	11/06/08	09/14/01	01/10/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	0.0039 U	0.0044 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	0.252	0.358	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	0.0014 U	0.0023 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	0.0013 U	0.0024 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	0.0703	0.0641 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	0.000072 J	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	0.0022 U	0.0064 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	0.005 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	0.00082 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	0.012 U	0.0236	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.302	NA
Conductivity Field	umhos/cm	2.12	1.94	2.35	NA	NA	NA	1.427	NA	NA	NA	NA	NA	NA	1,303
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.33	0.04	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44	0.08
ORP, Field	millivolts	-87	-115	-31	NA	NA	NA	NA	NA	NA	NA	NA	NA	-34	-135
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	7.03	6.93	7.17	6.93	NA	NA
pH Field	s.u.	6.72	7.52	7.76	NA	NA	NA	7.12	NA	NA	NA	NA	NA	7.19	7.58
Temperature	Deg C	12.58	13.49	15.69	NA	NA	NA	11.34	NA	NA	NA	NA	NA	8.84	15.9
Temperature, Ambient	Deg F	45	55	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA
Turbidity (Field)	NTU	4.4	NA	21.6	NA	NA	NA	4.26	NA	NA	NA	NA	NA	11.2	4.12

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	11/08/07	05/09/08	11/05/08	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/08/07
VOCs																
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	R	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 UJ	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.013 U	0.67 U	0.031 UJ	0.08 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.00022 J	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.067 U	3.3 UJ	0.15 UJ	0.4 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 UJ	0.067 U	3.3 UJ	0.15 UJ	0.4 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ	0.067 U	R	0.15 UJ	0.4 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.31 J	3.3 UJ	0.74 J	1.8	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 UJ	0.001 U	0.0067 U	R	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.0067 UJ	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.00072 J	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 UJ	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 UJ	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.00024 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.0033 U	R	0.0077 UJ	0.02 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 UJ	0.001 U	0.0067 U	R	0.015 UJ	0.04 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 UJ	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 UJ	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 UJ	0.013 U	0.67 U	0.031 UJ	0.08 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.067 U	3.3 U	0.15 UJ	0.4 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.033 UJ	1.7 U	0.077 UJ	0.2 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 UJ	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 UJ	0.33 U	0.015 UJ	0.04 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 U	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.0033 U	0.17 U	0.0077 UJ	0.02 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 UJ	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	11/08/07	05/09/08	11/05/08	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/08/07
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00071 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	11/08/07	05/09/08	11/05/08	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/08/07
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	11/08/07	05/09/08	11/05/08	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/08/07
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	11/08/07	05/09/08	11/05/08	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/08/07
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0014 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0022	0.0028	0.0029	0.0088 J	0.0081 J	0.0061 J	0.0055 J	0.0071 J	0.0048 J	0.0082 J	0.0062 J	0.0071	0.0063	0.0068	0.0066
Barium	mg/L	0.462	0.494	0.49	0.414	0.422	0.399 J	0.374	0.434	0.428	0.436	0.464	0.494	0.445	0.478	0.458
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.00036 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0062 J	0.0042 J	0.01 U	0.01 U	0.0043 J	0.0075 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	0.02 U	0.0019 J	0.0037 J	0.02 U	0.02 U	0.0014 J	0.0013 J	0.02 U	0.0134 J	0.0015 J	0.0015 J	0.0022 J	0.0146 J	0.02 U	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.0527	0.039	0.0374	0.01 U	0.0281	0.0312 J	0.0218	0.0178	0.0189 U	0.019	0.0196	0.0236	0.0214	0.0178	0.02
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0047 J	0.02 U	0.02 U	0.02 U	0.0039 J	0.005 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.000065 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0126 J	0.02 U	0.02 U	0.0065 J

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	11/08/07	05/09/08	11/05/08	01/22/02	11/12/02	05/19/03	12/11/03	05/03/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/02/07	11/08/07
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	0.0071 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	0.373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.191	NA	NA
Conductivity Field	umhos/cm	1.295	1.329	1.38	NA	NA	NA	1.069	NA	NA	NA	NA	NA	NA	1,274	1.228
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.4	0.27	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.27	0.66
ORP, Field	millivolts	-119	-123	-36	NA	NA	NA	NA	NA	NA	NA	NA	NA	-59	136	-100
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	7.34	7.21	7.17	7.08	NA	NA	NA
pH Field	s.u.	7.16	7.34	7.29	NA	NA	NA	7.34	NA	NA	NA	NA	NA	7.26	6.67	7.28
Temperature	Deg C	14.64	13.51	16.36	NA	NA	NA	3.41	NA	NA	NA	NA	NA	11.57	13.67	11.84
Temperature, Ambient	Deg F	35	60	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35
Turbidity (Field)	NTU	4.5	NA	4.08	NA	NA	NA	3.99	NA	NA	NA	NA	NA	4.04	0.77	3.8

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08
VOCs																
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	NA	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.002 J	NA	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.0021 J	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	NA	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
Carbon disulfide	mg/L	0.00052 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00099 J	NA	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.00028 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00036 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
Cyclohexane	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	NA	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 UJ	R	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Methyl cyclohexane	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.00024 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00064 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Styrene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Tetrachloroethene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00022 J	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Xylene (total)	mg/L	0.002 UJ	0.002 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	NA	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Biphenyl	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00053 J	0.005 U	0.005 U	0.005 U	0.005 U	0.0011 J	0.005 U	0.005 U	NA	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Caprolactam	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.0031 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	R	R	R	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	NA	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.00005 J	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.00055	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00005 J	0.0004 U	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U
Arsenic	mg/L	0.0081	0.0075	0.0059 J	0.0031 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0019 J	0.0069	0.0074	NA	0.0209
Barium	mg/L	0.166	0.162	0.102	0.336	0.036	0.0329	0.0412	0.0863	0.09	0.0382	0.0319	0.0974	0.0883	NA	0.123
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.0003 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Chromium (Total)	mg/L	0.0033 J	0.01 U	0.0077 J	0.0034 J	0.0028 J	0.0043 J	0.01 U	0.01 U	0.01 U	0.0076 J	0.0037 J	0.0054 J	0.0217	NA	0.0062 J
Cobalt	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.00076 J	0.0022 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0044 J
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0054 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	NA	0.003 U
Manganese	mg/L	0.0265	0.0233	0.0726	0.255	0.0461	0.0298 U	0.0278	0.0788	0.137	0.0399	0.0138	0.0366	0.0351	NA	0.026
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.0067 J	0.0053 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0058 J	0.0026 J	0.0038 J	0.0278	NA	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0069 J	0.0067 J	0.02 U	0.0084 J	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	NA	0.0027 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	0.0052 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	0.0989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	0.0618	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	0.487	0.539	NA	NA	NA	0.932	NA	NA	NA	NA	NA	135	0.629	0.811	0.731
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.07	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	0	1.86	0.56
ORP, Field	millivolts	-200	-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	-141	-165	-114	-134
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	8.78	8.34	9.12	6.86	NA	NA	NA	NA
pH Field	s.u.	7.66	7.57	NA	NA	NA	9.34	NA	NA	NA	NA	NA	7.79	7.44	7.35	7.56
Temperature	Deg C	13.8	13.91	NA	NA	NA	11.3	NA	NA	NA	NA	NA	14.97	12.43	11.4	14.11
Temperature, Ambient	Deg F	65	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	NA	55
Turbidity (Field)	NTU	NA	4.91	NA	NA	NA	4.08	NA	NA	NA	NA	NA	4.03	4.5	3.07	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3
Date Collected:	Units	11/06/08	09/12/01	01/08/02	05/20/03	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08
VOCs																
1,1,1-Trichloroethane	mg/L	0.001 J [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U [0.002 U]	0.02 U	0.01 U	0.002 U	0.002 U	0.002 U	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U [0.01 U]	0.1 U	0.05 U	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U [0.01 U]	0.1 U	0.05 U	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U [0.01 U]	0.1 U	0.05 U	0.01 U	0.01 U	R	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U [0.0013 J]	0.76 J	0.25 J	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U [0.001 U]	0.0016 J	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Bromoform	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U [0.001 U]	0.01 U	0.005 UJ	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Carbon disulfide	mg/L	0.00077 J [0.00043 J]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.00045 J	0.001 U	0.001 U	0.001 U	0.00065 J
Carbon tetrachloride	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.005 U	0.0025 U	0.0005 U	0.0005 U	0.0005 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ
Cyclohexane	mg/L	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Dibromochloromethane	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 UJ [0.002 UJ]	0.02 U	0.01 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ
Ethylbenzene	mg/L	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Isopropylbenzene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U [0.01 U]	0.1 U	0.05 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Methyl Tert Butyl Ether	mg/L	0.005 U [0.005 U]	0.05 U	0.025 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	R	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.005 U	0.0025 U	0.0005 U	0.0005 U	0.0005 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Trichloroethene	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U [0.002 U]	0.01 U	0.005 U	0.001 UJ	0.001 U	0.001 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3
Date Collected:	Units	11/06/08	09/12/01	01/08/02	05/20/03	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ
2-Chlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.00045 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.00055 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.00069 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
bis(2-Chloroethoxy)methane	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 UJ [0.01 UJ]	0.041	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Carbazole	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.00096 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.00082 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.0028 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00026 J
Fluorene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3
Date Collected:	Units	11/06/08	09/12/01	01/08/02	05/20/03	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08
Hexachlorocyclopentadiene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	R	0.005 U	R	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.0017 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.0016 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3
Date Collected:	Units	11/06/08	09/12/01	01/08/02	05/20/03	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3
Date Collected:	Units	11/06/08	09/12/01	01/08/02	05/20/03	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U [0.0004 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	0.0016 U [0.0016 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	0.0004 U [0.0004 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U [0.025 U]	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0185 [0.0187]	0.0078 J	0.0084 J	0.0319	0.0281	0.0295	NA	0.0363	0.0308	0.0287	0.03	0.0298	0.0292	0.0352	0.0285
Barium	mg/L	0.117 [0.116]	0.115	0.117	0.0488	0.129	0.119	NA	0.181	0.141	0.154	0.142	0.16	0.149	0.207	0.178
Beryllium	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U [0.0023 J]	0.01 U	0.0073 J	0.0087 J	0.0036 J	0.0035 J	NA	0.02	0.01 U	0.0053 J	0.0244	0.0052 J	0.0148	0.0239	0.0336
Cobalt	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.0048 J	0.0036 J	0.02 U	NA	0.0043 J	0.02 U	0.0015 J	0.0017 J	0.02 U	0.02 U	0.02 U	0.003 J
Copper	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.0199	0.005 U	0.005 U	0.0018 J	0.0021 J	0.005 U	0.0051	0.0047 J
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U [0.003 U]	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.0064	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.0257 [0.0258]	0.0497	0.051 J	0.0411	0.01 U	0.0233	0.0229 J	0.11	0.0202	0.0233	0.038	0.0276	0.0337	0.0555	0.0558
Mercury	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U [0.02 U]	0.02 U	0.0038 J	0.0063 J	0.003 J	0.003 J	NA	0.0156 J	0.02 U	0.0038 J	0.0173 J	0.004 J	0.0088 J	0.0168 J	0.0239
Selenium	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U [0.001 U]	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.000052 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0083 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0012 J	0.0011 J	0.0023 J
Zinc	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0601	0.02 U	0.02 U	0.02 U	0.02 U	0.0073 J	0.0167 J	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3
Date Collected:	Units	11/06/08	09/12/01	01/08/02	05/20/03	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.0069 J	0.0089 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	0.111	0.114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	0.0458	0.0477 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	0.01 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.638	NA	NA	NA	NA
Conductivity Field	umhos/cm	0.799	NA	NA	NA	0.605	NA	NA	NA	NA	0.643	NA	660	0.683	0.662	0.727
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	1.21	NA	NA	NA	NA	NA	NA	NA	NA	0	0.07	0.3	0.27	0.17	0.25
ORP, Field	millivolts	-85	NA	NA	NA	NA	NA	NA	NA	NA	188	-13	159	-128	-146	-15
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	7.33	7.44	7.12	NA	NA	NA	NA	NA
pH Field	s.u.	7.72	NA	NA	NA	7.36	NA	NA	NA	NA	7.12	6.95	6.94	7.35	7.79	7.55
Temperature	Deg C	17.17	NA	NA	NA	14.46	NA	NA	NA	NA	16.01	14.83	16.14	14.04	14.4	15.83
Temperature, Ambient	Deg F	60	NA	NA	NA	NA	NA	NA	NA	NA	50	50	NA	35	60	60
Turbidity (Field)	NTU	4.91	NA	NA	NA	4.82	NA	NA	NA	NA	4.7	8.11	3.95	25.1	NA	14.5

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7
Date Collected:	Units	09/18/01	01/08/02	05/20/03	12/12/03	05/06/04	10/28/04	05/12/05	11/03/05	05/18/06	11/14/06	05/02/07	11/07/07	05/07/08	11/05/08	09/11/01
VOCs																
1,1,1-Trichloroethane	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.021 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.025 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.013 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.02 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.014 U	0.12 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.052 U	0.25 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.018 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.0092 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.017 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.014 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.014 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00033 J	0.001 U	0.00029 J	0.00026 J	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.034 U	1.2 U	0.01 U	0.01 U	R	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.038 U	1.2 U	0.01 U	0.01 U	R	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.019 U	1.2 U	0.01 U	0.01 U	R	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U
Acetone	mg/L	5.8	7.1 J	0.03	0.01 U	0.00091 J	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.013 U	0.12 U	0.001 U	0.00042 J	0.00023 J	0.00025 J	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.014 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.015 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.017 U	0.12 UJ	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.017 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.01 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.022 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00017 J
Chloromethane (Methyl Chloride)	mg/L	0.011 U	0.12 U	0.001 U	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.00031 J	0.001 U	0.001 U	0.00021 J
cis-1,2-Dichloroethene	mg/L	0.018 U	0.062 U	0.0005 U	0.0005 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.01 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Cyclohexane	mg/L	0.011 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.022 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.022 U	0.25 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U
Ethylbenzene	mg/L	0.01 U	0.12 U	0.001 UJ	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.01 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.034 U	1.2 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.011 U	0.62 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.028 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Styrene	mg/L	0.012 U	0.12 U	R	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.019 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Toluene	mg/L	0.015 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.022 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.012 U	0.062 U	0.0005 U	0.0005 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.022 U	0.12 U	0.001 U	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
Trichloroethene	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.023 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.027 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.027 U	0.12 U	0.001 UJ	0.001 U	R	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.001 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7
Date Collected:	Units	09/18/01	01/08/02	05/20/03	12/12/03	05/06/04	10/28/04	05/12/05	11/03/05	05/18/06	11/14/06	05/02/07	11/07/07	05/07/08	11/05/08	09/11/01
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.00078 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.0012 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.0017 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.00085 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.00085 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.003 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.00079 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.00057 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.00085 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.001 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.00064 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.0011 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.0007 U	0.02 U	0.02 U	0.02 UJ	R	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.0021 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.00093 U	0.02 U	0.02 U	0.02 UJ	R	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.00071 U	0.02 U	0.02 U	0.02 UJ	R	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.0013 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.00088 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.00099 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.00061 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.00079 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.0013 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.0013 U	0.02 U	0.02 U	0.02 UJ	R	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.0019 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.0008 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.00071 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.0026 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.00068 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.0025 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.0028 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.0007 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.00073 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.00094 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.00085 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.00084 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.0026 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.00087 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.00097 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.0027 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.0021 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.00088 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.54	0.14	0.01 U	0.00091 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.00082 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.00075 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.00079 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.0011 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.00065 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.00076 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.00067 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.0011 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.00081 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.001 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.00074 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.00073 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7
Date Collected:	Units	09/18/01	01/08/02	05/20/03	12/12/03	05/06/04	10/28/04	05/12/05	11/03/05	05/18/06	11/14/06	05/02/07	11/07/07	05/07/08	11/05/08	09/11/01
Hexachlorocyclopentadiene	mg/L	0.0011 U	0.005 U	R	0.005 UJ	R	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.00074 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.00063 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.00063 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.0013 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.00075 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.00081 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.00067 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.0014 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.0024 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.00082 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.0026 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.0011 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7
Date Collected:	Units	09/18/01	01/08/02	05/20/03	12/12/03	05/06/04	10/28/04	05/12/05	11/03/05	05/18/06	11/14/06	05/02/07	11/07/07	05/07/08	11/05/08	09/11/01
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7
Date Collected:	Units	09/18/01	01/08/02	05/20/03	12/12/03	05/06/04	10/28/04	05/12/05	11/03/05	05/18/06	11/14/06	05/02/07	11/07/07	05/07/08	11/05/08	09/11/01
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Inorganics																
Antimony	mg/L	0.0022 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0039 U	0.01 U	0.0047 J	0.0032 J	0.0094 J	0.0097 J	0.012 U	0.0074 J	0.0108	0.0105	0.0147	0.0158	0.0142	0.0149	0.0052 J
Barium	mg/L	0.0599	0.0885	0.119	0.106	0.11	0.102	0.109	0.108	0.111	0.117	0.113	0.137	0.109	0.122	0.432
Beryllium	mg/L	0.00054 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.00031 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00028 J
Chromium (Total)	mg/L	0.0014 U	0.0068 J	0.0071 J	0.0063 J	0.178	0.01 U	0.01 U	0.0047 J	0.0027 J	0.0189	0.0027 J	0.145	0.0295	0.0277	0.01 U
Cobalt	mg/L	0.0013 U	0.0013 J	0.02 U	0.02 U	0.0038 J	0.02 U	0.02 U	0.02 U	0.02 U	0.0064 J	0.0035 J	0.0029 J	0.02 U	0.02 U	0.0014 J
Copper	mg/L	0.0042 U	0.005 U	0.0036 J	0.005 U	0.0096	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0128	0.0065	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.0025 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.067	0.0693 J	0.0391	0.01 U	0.0587 U	0.0339	0.031	0.0297	0.0357	0.0483	0.0366	0.121	0.0524	0.0568	0.177
Mercury	mg/L	0.000069 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0022 U	0.0031 J	0.0053 J	0.0046 J	0.0955	0.02 U	0.02 U	0.014 J	0.0019 J	0.0136 J	0.0018 J	0.0907	0.0236	0.0277	0.02 U
Selenium	mg/L	0.0045 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0037 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0015 U	0.005 U	0.005 U	0.005 U	0.00081 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.000024 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.01 U
Vanadium	mg/L	0.00082 U	0.01 U	0.01 U	0.01 U	0.00087 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0047 J	0.00085 J	0.01 U	0.01 U
Zinc	mg/L	0.012 U	0.02 U	0.02 U	0.02 U	0.0235 J	0.02 U	0.02 U	0.02 U	0.0131 J	0.02 U	0.02 U	0.0123 J	0.0127 J	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7
Date Collected:	Units	09/18/01	01/08/02	05/20/03	12/12/03	05/06/04	10/28/04	05/12/05	11/03/05	05/18/06	11/14/06	05/02/07	11/07/07	05/07/08	11/05/08	09/11/01
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	0.0022 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U
Arsenic (Dissolved)	mg/L	0.0039 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0062 J
Barium (Dissolved)	mg/L	0.0646	0.0881	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.404
Beryllium (Dissolved)	mg/L	0.00054 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U
Cadmium (Dissolved)	mg/L	0.00028 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Chromium Total (Dissolved)	mg/L	0.0014 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Cobalt (Dissolved)	mg/L	0.0013 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Copper (Dissolved)	mg/L	0.0042 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Lead (Dissolved)	mg/L	0.0025 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	0.0744	0.0679 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.159
Mercury (Dissolved)	mg/L	0.000069 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Nickel (Dissolved)	mg/L	0.0022 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Selenium (Dissolved)	mg/L	0.0045 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Silver (Dissolved)	mg/L	0.0015 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Thallium (Dissolved)	mg/L	0.005 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Vanadium (Dissolved)	mg/L	0.00082 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Zinc (Dissolved)	mg/L	0.012 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.471	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	0.459	NA	NA	NA	NA	NA	NA	510	0.487	0.474	0.519	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	0.99	0	0.5	0.33	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-102	-182	-158	-164	-113	NA
pH Field	pH Units	NA	NA	NA	NA	NA	7.56	7.89	7.8	7.4	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	8.03	NA	NA	NA	NA	NA	7.91	7.77	7.23	7.22	7.71	NA
Temperature	Deg C	NA	NA	NA	8.81	NA	NA	NA	NA	NA	8.25	15.8	10.17	14.7	17.95	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	NA	35	65	60	NA
Turbidity (Field)	NTU	NA	NA	NA	4	NA	NA	NA	NA	NA	4.65	2.78	4.5	NA	2.45	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/04/07	10/22/07	11/08/07	05/08/08	11/05/08
VOCs																
1,1,1-Trichloroethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	R	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,1,2-Trichloroethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,1-Dichloroethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,1-Dichloroethene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.029 U	0.0029 U	0.002 U	0.002 U	0.005 U	0.011 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dichlorobenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dichloroethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dichloropropane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,3-Dichlorobenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
1,4-Dichlorobenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.14 U	0.014 UJ	0.01 U	0.01 U	0.025 U	0.057 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
2-Hexanone	mg/L	0.14 U	0.014 UJ	0.01 U	0.01 U	0.025 U	0.057 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.14 U	R	0.01 U	0.01 U	R	0.057 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 UJ
Acetone	mg/L	0.14 U	0.014 UJ	0.038	0.01 U	0.17	0.24 J	0.021 J	0.01 U	0.0019 J	0.00092 J	0.01 U	NA	0.01 U	NA	0.01 U
Benzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Bromodichloromethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Bromoform	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.014 UJ	R	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Carbon disulfide	mg/L	0.014 U	0.0014 U	0.001 U	0.00025 J	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.00049 J	0.001 U	NA	0.001 U	NA	0.001 U
Carbon tetrachloride	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Chlorobenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Chloroethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Chloroform (Trichloromethane)	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.00026 J	0.00058 J	NA	0.00039 J	NA	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0071 U	0.00072 U	0.0005 U	0.0005 U	0.0012 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
cis-1,3-Dichloropropene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Cyclohexane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Dibromochloromethane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.029 U	0.0029 U	0.002 U	0.002 U	0.005 U	0.011 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 UJ
Ethylbenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Isopropylbenzene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Methyl acetate	mg/L	0.14 U	0.014 U	0.01 U	0.01 U	0.025 U	0.057 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
Methyl cyclohexane	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Methyl Tert Butyl Ether	mg/L	0.071 U	0.0072 U	0.005 U	0.005 U	0.012 U	0.029 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Methylene chloride	mg/L	0.014 U	R	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 UJ
Styrene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Tetrachloroethene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Toluene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0071 U	0.00072 U	0.0005 U	0.0005 U	0.0012 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
trans-1,3-Dichloropropene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Trichloroethene	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 UJ	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Vinyl chloride	mg/L	0.014 UJ	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Xylene (total)	mg/L	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.011 U	0.002 U	0.002 U	0.002 U	0.00099 J	0.002 U	NA	0.002 U	NA	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/04/07	10/22/07	11/08/07	05/08/08	11/05/08
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00046 J	0.00026 J	NA	0.005 U	NA	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
4-Methylphenol	mg/L	0.0021 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.0088	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0013 J	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Caprolactam	mg/L	0.039	0.012	0.0067 J	0.002 J	0.01 U	0.01 U	0.0013 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/04/07	10/22/07	11/08/07	05/08/08	11/05/08
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Methylphenol (Cresol)	mg/L	0.0021 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00048 J	0.00036 J	NA	0.005 U	NA	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Phenol	mg/L	0.007	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/04/07	10/22/07	11/08/07	05/08/08	11/05/08
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/04/07	10/22/07	11/08/07	05/08/08	11/05/08
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U	NA	0.025 U
Arsenic	mg/L	0.0044 J	0.0027 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0014 J	0.0057	0.0102	0.0086	0.0111	NA	0.0078
Barium	mg/L	0.0677	0.413	0.39	0.379	0.305	0.355	0.353	0.418	0.404	0.291	0.373	NA	0.301	NA	0.33
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Cadmium	mg/L	0.00057 J	0.005 U	0.005 U	0.00037 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Chromium (Total)	mg/L	0.0068 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.0132	NA	0.01 U
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.0135	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	NA	0.003 U	NA	0.003 U
Manganese	mg/L	0.0631	0.142	0.0809	0.0947	0.0776	0.0867	0.0782	0.0861	0.0781	0.0661	0.0427	NA	0.0638	NA	0.0455
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U
Nickel	mg/L	0.0057 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0097 J	NA	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.000044 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
Vanadium	mg/L	0.0049 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U
Zinc	mg/L	0.592	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.021	0.0088 J	0.02 U	0.02 U	NA	0.0198 J	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/04/07	10/22/07	11/08/07	05/08/08	11/05/08
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.00028 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.0028 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.0025 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.182	NA	1.092	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	1.418	NA	NA	NA	NA	NA	NA	1,138	NA	1.072	1.025	1.18
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.18	0.29	NA	1.67	0.71	0.4
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-104	-109	-192	-89	-128	-52
pH Field	pH Units	NA	NA	NA	NA	NA	7.58	7.15	7.21	6.79	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	7.59	NA	NA	NA	NA	NA	7.09	7.18	8.11	7.09	7.41	7.66
Temperature	Deg C	NA	NA	NA	8.77	NA	NA	NA	NA	NA	10.76	14.4	17.25	11.46	14.18	16.67
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	60	35	55	60
Turbidity (Field)	NTU	NA	NA	NA	3.93	NA	NA	NA	NA	NA	3.68	1.87	1.81	4.3	NA	2.4

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	09/20/01	01/10/02	11/14/02	05/20/03	12/15/03	05/07/04	10/29/04	05/13/05	11/04/05	05/19/06	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08
VOCs																
1,1,1-Trichloroethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 UJ	0.005 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.2 U	0.5 U	0.05 U	0.002 U	0.01 U	0.002 U	0.002 UJ	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	1 UJ	2.5 U	0.25 UJ	0.01 U	0.05 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	1 UJ	2.5 U	0.25 UJ	0.01 U	0.05 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	1 U	R	R	0.01 U	0.05 U	R	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Acetone	mg/L	6.6 J	13	1.4 J	0.01 U	0.29	0.031 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.0016 J	0.01 U	0.01 U	0.0022 J	0.01 U
Benzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Bromoform	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.1 U	R	R	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Carbon disulfide	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.00083 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 uj	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.05 U	0.12 U	0.012 U	0.0005 U	0.0025 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Cyclohexane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.2 UJ	0.5 U	0.05 U	0.002 U	0.01 U	0.002 U	0.002 UJ	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ
Ethylbenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 UJ	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	1 U	2.5 U	0.25 U	0.01 U	0.05 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.5 U	1.2 U	0.12 U	0.005 U	0.025 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Styrene	mg/L	0.1 U	0.25 U	0.025 U	R	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.05 U	0.12 U	0.012 U	0.0005 U	0.0025 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.1 U	0.25 U	0.025 U	0.001 UJ	0.005 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	09/20/01	01/10/02	11/14/02	05/20/03	12/15/03	05/07/04	10/29/04	05/13/05	11/04/05	05/19/06	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.0012 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.82	0.0033 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0008 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	09/20/01	01/10/02	11/14/02	05/20/03	12/15/03	05/07/04	10/29/04	05/13/05	11/04/05	05/19/06	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	R	R	NA	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	09/20/01	01/10/02	11/14/02	05/20/03	12/15/03	05/07/04	10/29/04	05/13/05	11/04/05	05/19/06	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	09/20/01	01/10/02	11/14/02	05/20/03	12/15/03	05/07/04	10/29/04	05/13/05	11/04/05	05/19/06	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.01 U	0.003 J	0.01 U	0.01 U	0.0017 J	0.002 U	0.0011 J	0.0028	0.0029	0.0013 J
Barium	mg/L	0.101	0.228	0.223	0.219	0.32	0.262	0.267	0.256	0.28	0.276	0.314 U	0.23	0.26	0.287	0.248
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.00033 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0037 J	0.0605	0.046	0.0216	0.0193	0.0099 J	0.0856	0.0039 J	0.01	0.0024 J	0.0183	0.0106	0.0169	0.0069 J	0.0227
Cobalt	mg/L	0.0023 J	0.0062 J	0.0018 J	0.0018 J	0.002 J	0.0026 J	0.0064 J	0.0022 J	0.0038 J	0.0033 J	0.02 U	0.02 U	0.0045 J	0.0034 J	0.0042 J
Copper	mg/L	0.0056	0.0097	0.005 U	0.005 U	0.005 U	0.005 U	0.0082	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.0028 J	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.208	0.352 J	0.0823	0.0926	0.0577	0.039 U	0.111	0.0359	0.0326	0.0292	0.049 U	0.0335	0.0792	0.0259	0.0447
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0053 J	0.059	0.0365	0.0133 J	0.0136 J	0.0091 J	0.0619	0.0039 J	0.0096 J	0.005 J	0.0138 J	0.0068 J	0.0162 J	0.01 J	0.0223
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.01 U	0.000092 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.0022 J	0.0034 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0043 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0012 J	0.01 U	0.01 U
Zinc	mg/L	0.0147 J	0.0197 J	0.02 U	0.02 U	0.029	0.0305 U	0.149	0.02 U	0.0476	0.145	0.02 U	0.02 U	0.0106 J	0.0077 J	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	09/20/01	01/10/02	11/14/02	05/20/03	12/15/03	05/07/04	10/29/04	05/13/05	11/04/05	05/19/06	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.0818	0.231	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	0.0021 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.116	0.219 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.0023 J	0.0232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.0061 J	0.00068 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.784	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	NA	0.732	NA	NA	NA	NA	NA	NA	769	0.824	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.94	0.9	1.24	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-34	-141	-66	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	7.18	7.34	7.04	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	NA	7.21	NA	NA	NA	NA	NA	7.56	7.89	7.05	NA	NA
Temperature	Deg C	NA	NA	NA	NA	5.68	NA	NA	NA	NA	NA	11.07	19	9.97	NA	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35	60	60
Turbidity (Field)	NTU	NA	NA	NA	NA	9.46	NA	NA	NA	NA	NA	19.3	3.16	45	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99
Date Collected:	Units	01/10/02	11/12/02	05/19/03	12/11/03	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 U	0.002 UJ [0.002 UJ]	0.002 U	0.002 U	NA	0.002 UJ	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 UJ	0.01 UJ	0.0011 J [0.001 J]	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 UJ	0.01 UJ	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 UJ	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 UJ	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.0013	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.00084 J	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.0002 J	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 UJ [0.0005 UJ]	0.0005 U	0.0005 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.00053 J	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 UJ [0.002 UJ]	0.002 U	0.002 UJ	NA	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.00033 J	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 UJ	R [R]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	R	0.001 UJ [0.001 UJ]	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 UJ [0.0005 UJ]	0.0005 U	0.0005 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 UJ	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99
Date Collected:	Units	01/10/02	11/12/02	05/19/03	12/11/03	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.02 UJ	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	R	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.04 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	R	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.08 U	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.02 UJ	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	R	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.08 U	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	R	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	R	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.08 U	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	R	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	R	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.02 UJ	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	R	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.08 U	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	NA	0.08 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.04 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.04 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.04 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.0017 J
Butyl benzylphthalate	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.04 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.04 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	NA	0.04 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99
Date Collected:	Units	01/10/02	11/12/02	05/19/03	12/11/03	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06
Hexachlorocyclopentadiene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	R	NA	0.02 U	0.005 UJ	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.02 U	0.005 U [0.005 U]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.02 UJ	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.02 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	0.00000005 U	0.0000000069 UJ [0.0000000059 UJ]	0.0000000059 U	0.0000000041 U	NA	0.0000000022 U	0.0000000033 U	0.000000012 U	0.000000015 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	0.00000005 U	0.0000000073 UJ [0.0000000067 UJ]	0.0000000056 U	0.0000000025 U	NA	0.0000000037 U	0.0000000081 U	0.000000011 U	0.000000033 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	0.000000025 U	0.000000005 UJ [0.0000000045 UJ]	0.0000000091 U	0.00000000096 U	NA	0.00000000054 U	0.0000000016 U	0.0000000049 U	0.000000021 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	0.000000025 U	0.0000000047 UJ [0.0000000039 UJ]	0.000000004 U	0.0000000027 U	NA	0.00000000081 U	0.0000000016 U	0.000000011 U	0.000000026 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	0.000000025 U	0.0000000042 UJ [0.0000000033 UJ]	0.000000011 U	0.0000000012 U	NA	0.00000000058 U	0.0000000011 U	0.0000000062 U	0.0000000049 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.000000025 U	0.0000000048 UJ [0.0000000045 UJ]	0.0000000003 U	0.0000000011 U	NA	0.0000000013 U	0.0000000021 U	0.0000000059 U	0.0000000083 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.000000025 U	0.0000000043 UJ [0.0000000043 UJ]	0.0000000036 U	0.0000000017 U	NA	0.0000000013 U	0.0000000019 U	0.000000009 U	0.0000000079 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.000000025 U	0.0000000047 UJ [0.0000000044 UJ]	0.0000000029 U	0.00000000096 U	NA	0.00000000054 U	0.000000002 U	0.0000000052 U	0.0000000065 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.000000025 U	0.0000000045 UJ [0.0000000045 UJ]	0.0000000039 U	0.0000000014 U	NA	0.000000001 U	0.0000000017 U	0.0000000069 U	0.0000000072 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.000000025 U	0.0000000054 UJ [0.000000005 UJ]	0.0000000036 U	0.0000000012 U	NA	0.0000000007 U	0.0000000024 U	0.000000008 U	0.0000000073 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.000000025 U	0.0000000042 UJ [0.0000000041 UJ]	0.0000000036 U	0.0000000015 U	NA	0.0000000011 U	0.0000000017 U	0.0000000079 U	0.0000000071 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	0.00000001 U	0.000000003 UJ [0.000000003 UJ]	0.0000000034 U	0.0000000011 U	NA	0.0000000011 U	0.0000000013 U	0.0000000058 U	0.0000000078 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	0.00000001 U	0.0000000046 UJ [0.0000000036 UJ]	0.0000000055 U	0.000000003 U	NA	0.0000000021 U	0.0000000021 U	0.0000000094 U	0.000000013 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.000000025 U	0.0000000049 UJ [0.0000000046 UJ]	0.0000000033 U	0.0000000011 U	NA	0.00000000063 U	0.0000000022 U	0.0000000066 U	0.0000000071 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	0.00000001 U	0.000000003 UJ [0.000000003 UJ]	0.0000000033 U	0.0000000011 U	NA	0.0000000011 U	0.0000000013 U	0.0000000058 U	0.0000000076 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	0.00000001 U	0.0000000018 UJ [0.0000000016 UJ]	0.0000000021 U	0.000000001 U	NA	0.0000000027 U	0.0000000011 U	0.0000000036 U	0.0000000054 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	0.00000001 U	0.0000000026 UJ [0.0000000021 UJ]	0.0000000031 U	0.0000000007 U	NA	0.00000000073 U	0.00000000085 U	0.0000000048 U	0.0000000065 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	0.00000000058 U	0.0000000016 U	0.0000000062 U	0.000000021 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	0.00000000081 U	0.0000000016 U	0.000000011 U	0.000000026
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	0.0000000013 U	0.0000000024 U	0.000000008 U	0.0000000083 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	0.0000000014 U	0.0000000019 U	0.000000009 U	0.0000000079 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	0.0000000018 U	0.0000000014 U	0.0000000058 U	0.0000000078 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	0.0000000021 U	0.0000000021 U	0.0000000094 U	0.000000013 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	0.0000000027 U	0.0000000011 U	0.0000000036 U	0.0000000054 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	0.00000000073 U	0.00000000085 U	0.0000000048 U	0.0000000065 U
2,3,7,8-TCDD Equivalent	mg/L	NA	0.0000000399 U	0.0000000102 U [0.00000000898 U]	0.0000000105 U	0.00000000386 U	NA	0.00000000334 U	0.00000000418 U	0.0000000182 U	0.0000000118

Appendix C
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RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99
Date Collected:	Units	01/10/02	11/12/02	05/19/03	12/11/03	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99
Date Collected:	Units	01/10/02	11/12/02	05/19/03	12/11/03	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 UJ [0.0004 UJ]	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.00046	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.00096	0.0016 U	0.0016 U [0.0016 U]	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.00046	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U	0.025 U	0.025 UJ [0.025 UJ]	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.0035 J	0.0059 J [0.004 J]	0.0034 J	0.0026 J	0.003 J	0.01 U	0.003 J	0.01 U	0.0015 J
Barium	mg/L	0.163	0.414	0.182 J [0.182 J]	0.122	0.0981	0.0956	0.145	0.126	0.134	0.12
Beryllium	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.00032 J	0.005 UJ [0.005 UJ]	0.0005 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U	0.0038 J	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0019 J	0.01 U
Cobalt	mg/L	0.02 U	0.0066 J	0.00077 J [0.0009 J]	0.02 U	0.02 U	0.0012 J	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U	0.0055	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	0.0028 J	0.0091 J	0.0057 J [0.0057 J]	0.0049 J	0.0044 J	NA	0.01 U	0.01 U	0.01 U	0.01 U
Lead	mg/L	0.003 U	0.0018 J	0.003 UJ [0.003 UJ]	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.301 J	0.15	1.24 J [1.19 J]	0.727	0.651	0.589	0.255	0.351	0.221	0.311
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 UJ [0.0002 UJ]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.0111 J	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0024 J	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	0.004 J	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 UJ [0.005 UJ]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	135	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.00058 J	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.0047 J	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 UJ [0.02 UJ]	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99
Date Collected:	Units	01/10/02	11/12/02	05/19/03	12/11/03	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.152	NA	NA	NA	NA	0.0886	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.0085 J	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.0013 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.28 J	NA	NA	NA	NA	0.579	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.0032 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	0.00025 J	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.0209	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	1.45	NA	1.21	NA	NA	NA	1.227
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-39
pH Field	pH Units	NA	NA	NA	NA	NA	NA	6.92	7.08	7.02	6.49
pH Field	s.u.	NA	NA	NA	6.92	NA	7.3	NA	NA	NA	6.99
Temperature	Deg C	NA	NA	NA	9.62	NA	17.1	NA	NA	NA	13.94
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
Turbidity (Field)	NTU	NA	NA	NA	3.65	NA	4.3	NA	NA	NA	4.73

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MWD6
Date Collected:	Units	08/15/06	11/13/06	05/02/07	07/17/07	11/07/07	05/07/08	11/06/08	12/15/09	11/03/10	09/25/11	10/03/12	09/11/01
VOCs													
1,1,1-Trichloroethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	NA	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	0.002 U	0.002 UJ	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	0.00072 J	0.0017 J	NA	0.00093 J	0.0012 J	0.0011 J	0.0018 J	0.025 U	0.68 J	0.025 U	0.01 U
2-Hexanone	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U
Acetone	mg/L	NA	0.0023 J	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.0028 J	0.0014 J	.0063 J	0.0016 J	0.01 U
Benzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	NA	0.00032 J	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.00049 J	0.005 U	0.005 U	0.005 U	0.001 U
Carbon tetrachloride	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.0002 J	0.00017 J	0.001 U
Dibromochloromethane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	NA	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 UJ	0.00017 UJ	0.001 U	0.001 U	0.001 U	0.002 U
Ethylbenzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U
Methyl acetate	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.00061 J	0.001 U	0.00029 J	0.00019 J	0.001 U
Methyl Tert Butyl Ether	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U
Styrene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.00018 J	0.001 U	0.001 U	0.001 U	0.001 U	0.00016 J	0.00025 J
Total 1,3 Dichloropropenes	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	NA	0.002 U	0.002 U	NA	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MWD6
Date Collected:	Units	08/15/06	11/13/06	05/02/07	07/17/07	11/07/07	05/07/08	11/06/08	12/15/09	11/03/10	09/25/11	10/03/12	09/11/01
SVOCs													
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2,4-Dichlorophenol	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 U	NA	NA	NA	NA	0.01 U
2,4-Dimethylphenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2,4-Dinitrophenol	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
2,4-Dinitrotoluene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2,6-Dinitrotoluene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2-Chloronaphthalene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 UJ	NA	NA	NA	NA	0.005 U
2-Chlorophenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2-Methylnaphthalene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2-Methylphenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
2-Nitroaniline	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
2-Nitrophenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
3-Nitroaniline	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
4-Chloroaniline	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 U	NA	NA	NA	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
4-Methylphenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
4-Nitroaniline	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
4-Nitrophenol	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.05 U	0.02 U	NA	NA	NA	NA	0.02 U
Acenaphthene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Acenaphthylene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Acetophenone	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 U	NA	NA	NA	NA	0.01 U
Anthracene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Atrazine	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Benzaldehyde	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 U	NA	NA	NA	NA	0.01 U
Benzo(a)anthracene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Benzo(a)pyrene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Benzo(b)fluoranthene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Benzo(k)fluoranthene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Biphenyl	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 UJ	NA	NA	NA	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Butyl benzylphthalate	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Caprolactam	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 UJ	NA	NA	NA	NA	0.01 U
Carbazole	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01 U	NA	NA	NA	NA	0.01 U
Chrysene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Dibenzofuran	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Diethyl phthalate	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Dimethyl phthalate	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Di-n-butylphthalate	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Di-n-octyl phthalate	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Fluoranthene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Fluorene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Hexachlorobenzene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Hexachlorobutadiene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MWD6
Date Collected:	Units	08/15/06	11/13/06	05/02/07	07/17/07	11/07/07	05/07/08	11/06/08	12/15/09	11/03/10	09/25/11	10/03/12	09/11/01
Hexachlorocyclopentadiene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Hexachloroethane	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
SVOCs													
Indeno(1,2,3-cd)pyrene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Isophorone	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Methylphenol (Cresol)	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Naphthalene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Nitrobenzene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Pentachlorophenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Phenanthrene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Phenol	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
Pyrene	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.012 U	0.005 U	NA	NA	NA	NA	0.005 U
CDD/F													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000052 U	0.0000000039 U	0.00000002 U	NA	0.000000021 U	0.0000000026 U	0.000000005 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000044 U	0.000000015 U	0.00000031	NA	0.000000019 U	0.000000017 U	0.0000000044 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000026 U	0.000000002 U	0.0000000098 U	NA	0.0000000056 U	0.000000002 U	0.0000000021 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000036 U	0.0000000028 U	0.000000016 U	NA	0.000000012 U	0.0000000024 U	0.0000000036 U	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000032 U	0.0000000022 U	0.000000011 U	NA	0.0000000066 U	0.0000000014 U	0.0000000025 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000041 U	0.0000000022 U	0.0000000064 U	NA	0.0000000062 U	0.00000000094 U	0.0000000029 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000042 U	0.0000000027 U	0.000000012 U	NA	0.000000012 U	0.0000000016 U	0.0000000038 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000039 U	0.000000002 U	0.000000006 U	NA	0.000000006 U	0.00000000089 U	0.0000000025 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000038 U	0.0000000026 U	0.000000012 U	NA	0.000000012 U	0.0000000016 U	0.0000000034 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000046 U	0.0000000025 U	0.0000000071 U	NA	0.0000000064 U	0.000000001 U	0.0000000029 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000038 U	0.0000000025 U	0.000000011 U	NA	0.0000000096 U	0.0000000014 U	0.0000000034 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000028 U	0.0000000016 U	0.0000000092 U	NA	0.0000000068 U	0.0000000013 U	0.0000000033 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000047 U	0.0000000042 U	0.000000014 U	NA	0.000000011 U	0.0000000024 U	0.0000000053 U	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000042 U	0.0000000023 U	0.000000007 U	NA	0.0000000064 U	0.00000000096 U	0.0000000028 U	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000027 U	0.0000000016 U	0.0000000093 U	NA	0.000000007 U	0.0000000013 U	0.0000000034 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000034 U	0.0000000014 U	0.0000000052 U	NA	0.0000000046 U	0.00000000091 U	0.0000000023 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000018 U	0.0000000017 U	0.0000000077 U	NA	0.0000000064 U	0.0000000013 U	0.0000000034 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000032 U	0.0000000022 U	0.000000011 U	NA	0.0000000066 U	0.000000002 U	0.0000000025 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000036 U	0.0000000028 U	0.00000002 U	NA	0.000000012 U	0.0000000024 U	0.0000000036 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000046 U	0.0000000025 U	0.0000000071 U	NA	0.0000000064 U	0.00000000094 U	0.0000000029 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000042 U	0.0000000027 U	0.000000012 U	NA	0.000000012 U	0.0000000016 U	0.0000000038 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000031 U	0.0000000016 U	0.0000000093 U	NA	0.000000007 U	0.0000000013 U	0.0000000034 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000047 U	0.000000014 U	0.000000014 U	NA	0.000000011 U	0.0000000024 U	0.0000000053 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000034 U	0.0000000014 U	0.0000000052 U	NA	0.0000000046 U	0.00000000091 U	0.0000000023 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000018 U	0.0000000017 U	0.0000000077 U	NA	0.0000000064 U	0.0000000013 U	0.0000000034 U	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.00000000894 U	0.00000000659 U	0.0000000137	NA	0.0000000223 U	0.00000000422 U	0.0000000104 U	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MWD6
Date Collected:	Units	08/15/06	11/13/06	05/02/07	07/17/07	11/07/07	05/07/08	11/06/08	12/15/09	11/03/10	09/25/11	10/03/12	09/11/01
CDD/F-Filtered													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	0.0000000072 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	0.0000000072 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	0.000000008 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	0.0000000049 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	0.0000000039 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	0.00000002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	0.0000000037 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	0.0000000046 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	0.0000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	0.0000000055 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	0.0000000033 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	0.0000000084 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	0.0000000056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	0.000000005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	0.0000000031 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MW-40-99	MWD6
Date Collected:	Units	08/15/06	11/13/06	05/02/07	07/17/07	11/07/07	05/07/08	11/06/08	12/15/09	11/03/10	09/25/11	10/03/12	09/11/01
CDD/F-Filtered													
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	0.0000000043 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	0.0000000022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	0.000000008 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	0.0000000049 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	0.00000002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	0.0000000037 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	0.0000000084 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	0.0000000056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	0.0000000043 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	0.0000000022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs													
Aroclor-1016 (PCB-1016)	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	NA	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	NA	NA	NA	NA	0.0016 U
Total PCBs	mg/L	NA	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	NA	0.0004 U
Pests/PCBs-Filtered													
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Inorganics													
Antimony	mg/L	NA	0.025 U	0.025 U	NA	0.025 U	0.025 U	0.025 U	NA	NA	NA	NA	0.025 U
Arsenic	mg/L	NA	0.0014 J	0.0013 J	NA	0.0037	0.003	0.0014 J	NA	NA	NA	NA	0.0054 J
Barium	mg/L	NA	0.137	0.12	NA	0.168	0.303	0.153	NA	NA	NA	NA	0.532
Beryllium	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	0.001 U
Cadmium	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U
Chromium (Total)	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.01 U
Cobalt	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.0032 J	0.02 U	NA	NA	NA	NA	0.02 U
Copper	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U
Cyanide (total)	mg/L	NA	0.0087 J	0.01 U	NA	0.01 U	0.0077	0.0084 J	NA	NA	NA	NA	NA
Lead	mg/L	NA	0.003 U	0.003 U	NA	0.003 U	0.003 U	0.003 U	NA	NA	NA	NA	0.003 U
Manganese	mg/L	NA	0.24	0.287	NA	0.21	0.112	0.435	NA	NA	NA	NA	0.393
Mercury	mg/L	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U
Nickel	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.0035 J	0.02 U	NA	NA	NA	NA	0.02 U
Selenium	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U
Silver	mg/L	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	0.01 U
Vanadium	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.002 J	0.01 U	NA	NA	NA	NA	0.01 U
Zinc	mg/L	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MW-40-99 08/15/06	MW-40-99 11/13/06	MW-40-99 05/02/07	MW-40-99 07/17/07	MW-40-99 11/07/07	MW-40-99 05/07/08	MW-40-99 11/06/08	MW-40-99 12/15/09	MW-40-99 11/03/10	MW-40-99 09/25/11	MW-40-99 10/03/12	MWD6 09/11/01
Inorganics-Filtered													
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0053 J
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.52
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.383
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Miscellaneous													
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters													
Conductivity Field	mS/cm	NA	1.043	NA	NA	NA	NA	NA	NA	1.19	1.974	1.024	NA
Conductivity Field	umhos/cm	1.097	NA	1.237	NA	1.437	2.71	1.34	1.7	NA	NA	0.890	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	NA
Dissolved Oxygen, Field	mg/L	0.12	0.3	0.17	NA	0.2	0.09	0.07	0.34	0.38	0.31	0.79	NA
ORP, Field	millivolts	-53	189	113	NA	-119	-202	-287	-267	-84.6	-81.2	-126.3	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	6.75	6.96	6.4	7.42	6.83	7.34	6.81	6.87	6.87	7.19	7.23	NA
Temperature	Deg C	18.95	11.2	11.25	NA	13.73	14.91	16.05	9.45	14.46	18.10	18.18	NA
Temperature, Ambient	Deg F	65	40	NA	NA	35	65	60	25	45	71	NA	NA
Turbidity (Field)	NTU	8.2	4.92	3.5	NA	2	NA	4.71	4.62	9.98	2.91	5.83	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07	03/22/07	05/04/07
VOCs																
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.00024 J	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.0011 J	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	R	0.01 U	0.01 U	R	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Acetone	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.0056 J	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 UJ	R	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	NA	NA	NA	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.00053 J	0.001 U	0.001 U	NA	0.001 U	0.0018	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0024	0.00073	0.0005 U	NA	0.001 U	0.0076	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.0026	0.00041 J	0.001 U	NA	0.001 U	0.0032	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	NA	0.001 U	0.0008 J	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.0014	0.00032 J	0.001 U	NA	0.001 U	0.0021	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.0006 J	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Xylene (total)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07	03/22/07	05/04/07
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	R	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00033 J
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0002 J
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07	03/22/07	05/04/07
Hexachlorocyclopentadiene	mg/L	0.005 U	R	0.005 U	0.005 UJ	R	NA	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00025 J
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07	03/22/07	05/04/07
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07	03/22/07	05/04/07
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs																
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA	NA	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	NA	NA	0.025 U
Arsenic	mg/L	0.01 U	0.0029 J	0.01 U	0.0044 J	0.0032 J	0.0034 J	0.01 U	0.0043 J	0.0047 J	0.0025	0.0028 U	NA	NA	NA	0.0014 J
Barium	mg/L	0.166	0.22	1.09	0.0661	2.03	1.52	0.0562	0.495	0.058	0.0663	0.145	NA	NA	NA	0.0627
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.00038 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U	0.0011 J	0.01 U	0.01 U	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Cobalt	mg/L	0.02 U	0.00087 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.0023 J	0.004 J	0.005 U	0.0027 J	0.0034 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.0019 J	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	NA	NA	NA	0.003 U
Manganese	mg/L	0.131	0.191	0.617	0.0551	1.08	0.918	0.0592	0.492	0.0809	0.0918	0.126	NA	NA	NA	0.0784
Mercury	mg/L	0.00011 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.0049 J	0.02 U	0.02 U	0.02 U	0.02 U	0.0045 J	0.0027 J	0.0016 J	0.02 U	NA	NA	NA	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.000039 J	0.001 U	0.000041 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.00097 J	0.01 U	0.01 U	0.0009 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0158 J	0.02 U	0.0091 J	0.02 U	NA	NA	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R
Date Collected:	Units	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07	03/22/07	05/04/07
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.0043 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.157	NA	NA	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.00035 J	NA	NA	NA	NA	0.0005 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.125	NA	NA	NA	NA	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	0.00041 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.9 J	8.4 J	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.78	1.78	NA	1.575	NA
Conductivity Field	umhos/cm	NA	NA	NA	1.7	NA	29.8	NA	NA	NA	0.64	NA	NA	1.53	NA	992
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13	0.18	0.29	0.34	0.13	0.28
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-97	-104	222	-159	-201	-243
pH Field	pH Units	NA	NA	NA	NA	NA	NA	8.06	7.41	8.22	7.63	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	7.78	NA	7.54	NA	NA	NA	7.63	8.42	8.1	7.85	8.36	8.36
Temperature	Deg C	NA	NA	NA	7.97	NA	16.2	NA	NA	NA	14.28	11.13	9.3	6.93	10.05	13.2
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	60	40	40	30	55	NA
Turbidity (Field)	NTU	NA	NA	NA	4.78	NA	2.9	NA	NA	NA	4.51	23.8	4.88	5.87	8.36	3.1

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	10/05/07	11/08/07	11/12/07	05/08/08	11/05/08	08/23/01	01/07/02	11/13/02	05/19/03	12/17/03	05/05/04	05/20/04	10/27/04	05/11/05
VOCs															
1,1,1-Trichloroethane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00053 J [0.00052 J]	0.007	0.0068	0.001 UJ	0.0072	0.0083	NA	0.0057	0.0026
1,1,2,2-Tetrachloroethane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00025 U [0.00025 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.0003 U [0.0003 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.00016 U [0.00016 U]	0.001	0.00085 J	0.001 UJ	0.0011	0.00099 J	NA	0.0013	0.00044 J
1,1-Dichloroethene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00024 U [0.00024 U]	0.00097 J	0.00081 J	0.001 UJ	0.0014	0.00053 J	NA	0.0013 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00017 U [0.00017 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	0.002 U	NA	0.002 U	0.002 U	0.00062 U [0.00062 U]	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	NA	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00022 U [0.00022 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00011 U [0.00011 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00021 U [0.00021 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00017 U [0.00017 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00015 U [0.00015 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00017 U [0.00017 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.00041 U [0.00041 U]	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
2-Hexanone	mg/L	NA	0.01 U	NA	0.01 U	0.01 UJ	0.00046 U [0.00046 U]	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	NA	0.01 UJ	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	NA	0.01 U	NA	0.01 U	0.01 UJ	0.00023 U [0.00023 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	R	NA	0.01 U	0.01 U
Acetone	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.017 J [0.017 J]	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 U	0.01 U
Benzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00016 U [0.00016 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromodichloromethane	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.00017 U [0.00017 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromoform	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00018 U [0.00018 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.0002 U [0.0002 U]	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 UJ
Carbon disulfide	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.0002 U [0.0002 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Carbon tetrachloride	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00012 U [0.00012 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chlorobenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00014 U [0.00014 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloroethane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00026 U [0.00026 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.00014 U [0.00014 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	NA	0.00038 J	NA	0.001 U	0.001 U	0.00017 J [0.00013 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00022 U [0.00022 U]	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.00012 U [0.00012 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Cyclohexane	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.00013 U [0.00013 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Dibromochloromethane	mg/L	NA	0.001 U	NA	0.001 UJ	0.001 U	0.00026 U [0.00026 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	NA	0.002 U	NA	0.002 U	0.002 UJ	0.00026 U [0.00026 U]	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 U	NA	0.002 U	0.002 U
Ethylbenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00012 U [0.00012 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Isopropylbenzene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00012 U [0.00012 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Methyl acetate	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.00041 U [0.00041 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Methyl cyclohexane	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00015 U [0.00015 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00013 U [0.00013 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Methylene chloride	mg/L	NA	0.001 U	NA	0.001 U	0.001 UJ	0.00034 U [0.00034 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Styrene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00015 U [0.00015 U]	0.001 U	0.001 U	R	0.001 U	0.001 U	NA	0.001 U	0.001 U
Tetrachloroethene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00023 U [0.00023 U]	0.00055 J	0.00046 J	0.001 UJ	0.001 U	0.0003 J	NA	0.00038 J	0.00028 J
Toluene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00018 U [0.00018 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00027 U [0.00027 U]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00015 U [0.00015 U]	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00027 U [0.00027 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 UJ	0.001 U
Trichloroethene	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00014 U [0.00014 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00028 U [0.00028 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	NA	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00032 U [0.00032 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Vinyl chloride	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00015 U [0.00015 U]	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Xylene (total)	mg/L	NA	0.002 U	NA	0.002 UJ	0.002 U	0.00033 U [0.00033 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	10/05/07	11/08/07	11/12/07	05/08/08	11/05/08	08/23/01	01/07/02	11/13/02	05/19/03	12/17/03	05/05/04	05/20/04	10/27/04	05/11/05
SVOCs															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00078 U [0.00078 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0012 U [0.0012 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0017 U [0.0017 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.00085 U [0.00085 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00085 U [0.00085 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.003 U [0.003 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00079 U [0.00079 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00057 U [0.00057 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00085 U [0.00085 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Chlorophenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.001 U [0.001 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00064 U [0.00064 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Methylphenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0011 U [0.0011 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Nitroaniline	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.0007 U [0.0007 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
2-Nitrophenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0021 U [0.0021 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.00093 U [0.00093 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
3-Nitroaniline	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.00071 U [0.00071 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.0013 U [0.0013 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00088 U [0.00088 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00099 U [0.00099 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Chloroaniline	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.00061 U [0.00061 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00079 U [0.00079 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Methylphenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0013 U [0.0013 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Nitroaniline	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.0013 U [0.0013 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
4-Nitrophenol	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.0019 U [0.0019 U]	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	0.02 U
Acenaphthene	mg/L	NA	0.005 U	NA	0.00046 J	0.0011 J	0.0008 U [0.0008 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Acenaphthylene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00071 U [0.00071 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Acetophenone	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.0026 U [0.0026 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Anthracene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00068 U [0.00068 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Atrazine	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0025 U [0.0025 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzaldehyde	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.0028 U [0.0028 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0007 U [0.0007 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00073 U [0.00073 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00094 U [0.00094 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00085 U [0.00085 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00084 U [0.00084 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Biphenyl	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.0026 U [0.0026 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00087 U [0.00087 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00097 U [0.00097 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0027 U [0.0027 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00088 U [0.00088 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Caprolactam	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.0025 U [0.0025 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Carbazole	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.00082 U [0.00082 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Chrysene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00075 U [0.00075 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00079 U [0.00079 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dibenzofuran	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0011 U [0.0011 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Diethyl phthalate	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00065 U [0.00065 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dimethyl phthalate	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00076 U [0.00076 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00067 U [0.00067 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0011 U [0.0011 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Fluoranthene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00081 U [0.00081 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Fluorene	mg/L	NA	0.00025 J	NA	0.005 U	0.00075 J	0.001 U [0.001 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorobenzene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00074 U [0.00074 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00073 U [0.00073 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	10/05/07	11/08/07	11/12/07	05/08/08	11/05/08	08/23/01	01/07/02	11/13/02	05/19/03	12/17/03	05/05/04	05/20/04	10/27/04	05/11/05
Hexachlorocyclopentadiene	mg/L	NA	0.005 UJ	NA	0.005 U	0.005 U	0.0011 U [0.0011 U]	0.005 U	0.005 U	0.005 UJ	R	R	NA	0.005 U	0.005 UJ
Hexachloroethane	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00074 U [0.00074 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
SVOCs															
Indeno(1,2,3-cd)pyrene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00063 U [0.00063 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Isophorone	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00063 U [0.00063 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0013 U [0.0013 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Naphthalene	mg/L	NA	0.0004 J	NA	0.005 U	0.005 U	0.00075 U [0.00075 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Nitrobenzene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00081 U [0.00081 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00067 U [0.00067 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0014 U [0.0014 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Pentachlorophenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0024 U [0.0024 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Phenanthrene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00082 U [0.00082 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Phenol	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0026 U [0.0026 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Pyrene	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0011 U [0.0011 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
CDD/F															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	10/05/07	11/08/07	11/12/07	05/08/08	11/05/08	08/23/01	01/07/02	11/13/02	05/19/03	12/17/03	05/05/04	05/20/04	10/27/04	05/11/05
CDD/F-Filtered															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	10/05/07	11/08/07	11/12/07	05/08/08	11/05/08	08/23/01	01/07/02	11/13/02	05/19/03	12/17/03	05/05/04	05/20/04	10/27/04	05/11/05
CDD/F-Filtered															
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	0.0016 U	NA	0.0016 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs-Filtered															
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	mg/L	NA	0.025 U	NA	0.025 U	0.025 U	0.0022 U [0.0022 U]	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	NA	0.0022	NA	0.0013 J	0.0015 J	0.0039 U [0.0039 U]	0.01 U	0.01 U	0.0021 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0038 J
Barium	mg/L	NA	0.0699	NA	0.137	0.185	0.153 [0.153]	0.142	0.189	0.261 J	0.171	0.153	0.197	0.209	0.247
Beryllium	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.00054 U [0.00054 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.00039 J [0.00028 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.0014 U [0.0014 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.0013 U [0.0013 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0042 U [0.0042 U]	0.005 U	0.005 U	0.005 UJ	0.0073 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	0.003 U	NA	0.003 U	0.003 U	0.0025 U [0.0025 U]	0.003 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	NA	0.0385	NA	0.117	0.194	0.276 [0.275]	0.213	0.234	0.289 J	0.185	0.208	0.273	0.251	0.262
Mercury	mg/L	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.000069 U [0.000069 U]	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.0036 J [0.0028 J]	0.0026 J	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0045 U [0.0045 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	NA	0.005 U	NA	0.005 U	0.005 U	0.0015 U [0.0015 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.0076 J [0.0064 J]	0.000026 J	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	NA	0.01 U	NA	0.01 U	0.01 U	0.00082 U [0.00082 U]	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	NA	0.02 U	NA	0.02 U	0.02 U	0.012 U [0.012 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.0152 J	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	10/05/07	11/08/07	11/12/07	05/08/08	11/05/08	08/23/01	01/07/02	11/13/02	05/19/03	12/17/03	05/05/04	05/20/04	10/27/04	05/11/05
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0022 U [0.0022 U]	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0039 U [0.0039 U]	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.151 [0.148]	0.144	NA	NA	NA	NA	0.19	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.00054 U [0.00054 U]	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.00028 U [0.00044 J]	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0014 U [0.0014 U]	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0013 U [0.0013 U]	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0042 U [0.0042 U]	0.0049 J	NA	NA	NA	NA	0.005 U	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0025 U [0.0025 U]	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.272 [0.266]	0.218	NA	NA	NA	NA	0.246	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.000069 U [0.000069 U]	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.003 J [0.0022 J]	0.0024 J	NA	NA	NA	NA	0.02 U	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0045 U [0.0045 U]	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0015 U [0.0015 U]	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0066 J [0.0079 J]	0.000066 J	NA	NA	NA	NA	0.001 U	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.00082 U [0.00082 U]	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.012 U [0.012 U]	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA
Miscellaneous															
pH (water)	none	NA	NA	8.6 J [8.7 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	8.6 J [8.6 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	NA	0.897	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	0.859	0.896	NA	0.985	1.343	NA	NA	NA	NA	1.91	NA	2.17	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.07	0.29	0.18	0.14	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	-132	-230	-172	-249	-136	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.89	6.85
pH Field	s.u.	8.06	8.33	8.46	8.62	8.28	NA	NA	NA	NA	6.91	NA	6.3	NA	NA
Temperature	Deg C	22.47	15.83	15.65	12.28	18.51	NA	NA	NA	NA	13.85	NA	20.4	NA	NA
Temperature, Ambient	Deg F	85	35	45	55	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	2.43	1.5	1.3	NA	1.85	NA	NA	NA	NA	3.79	NA	4.9	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	11/03/05	05/18/06	11/14/06	05/03/07	11/07/07	05/08/08	12/15/09	11/04/10	09/22/11	10/02/12	10/11/01	01/09/02	08/11/03
VOCs														
1,1,1-Trichloroethane	mg/L	0.0078	0.0045	0.0071	0.0084	0.0072	0.0012	0.00087 J [0.00076 J]	0.001 U	0.00053 J	0.001 U	0.01	0.0063	NA
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00025 U	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.0003 U	0.001 U	NA
1,1-Dichloroethane	mg/L	0.0011	0.00069 J	0.0024	0.0022	0.0017	0.00055 J	0.0007 J [0.0007 J]	0.001 J	0.00095 J	0.001 U	0.006	0.0071	NA
1,1-Dichloroethene	mg/L	0.00073 J	0.00067 J	0.00078 J	0.00059 J	0.00089 J	0.00029 J	0.00028 J [0.0002 J]	0.001 U	0.00022 J	0.001 U	0.0012	0.0011	0.0018
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.00041 J [0.001 U]	0.005 U	0.005 U	0.001 U	0.00017 U	0.001 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U [0.002 U]	0.001 U	0.001 U	0.001 U	0.00062 U	0.002 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00022 U	0.001 U	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00011 U	0.001 U	NA
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00021 U	0.001 U	NA
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00017 U	0.001 U	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00017 U	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.025 U	0.025 U	0.025 U	0.00041 U	0.01 U	NA
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.05 U	0.05 U	0.05 U	0.00046 U	0.01 U	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.05 U	0.05 U	0.05 U	0.00023 U	0.01 U	NA
Acetone	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.025 U	0.025 U	0.025 U	0.00051 U	0.01 U	NA
Benzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00016 U	0.001 U	NA
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00017 U	0.001 U	NA
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00018 U	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.0002 U	0.001 U	NA
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.005 U	0.005 U	0.00023 J	0.00047 J	0.001 U	NA
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00012 U	0.001 U	NA
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00014 U	0.001 U	NA
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00026 U	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00029 J	0.001 U	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.00022 J	0.00017 J	0.001 U	0.00049 J	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.00028 J	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00023 J	0.00043 J	NA
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00012 U	0.001 U	NA
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00013 U	0.001 U	NA
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00026 U	0.001 U	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ [0.002 UJ]	0.001 U	0.001 U	0.001 U	0.00026 U	0.002 U	NA
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00012 U	0.001 U	NA
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.005 U	0.005 U	0.005 U	0.00012 U	0.001 U	NA
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.00041 U	0.01 U	NA
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.00013 U	0.005 U	NA
Methylene chloride	mg/L	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.005 U	0.005 U	0.005 U	0.00034 U	0.001 U	NA
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA
Tetrachloroethene	mg/L	0.00047 J	0.00065 J	0.00041 J	0.00073 J	0.00059 J	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.002	0.00056 J	0.00056 J
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.0002 J	0.00021 J	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	NA	NA	NA	0.00027 U	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00015 U	0.0005 U	NA
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00027 U	0.001 U	NA
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00014 U	0.001 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.00028 U	0.001 U	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00032 U	0.001 U	NA
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U	0.00033 U	0.001 U	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	11/03/05	05/18/06	11/14/06	05/03/07	11/07/07	05/08/08	12/15/09	11/04/10	09/22/11	10/02/12	10/11/01	01/09/02	08/11/03
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00078 U	0.005 U	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0012 U	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0017 U	0.005 U	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.00085 U	0.01 U	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00085 U	0.005 U	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.003 U	0.02 U	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00079 U	0.005 U	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00057 U	0.005 U	NA
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00085 U	0.005 U	NA
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.001 U	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00064 U	0.005 U	NA
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0011 U	0.005 U	NA
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.0007 U	0.02 U	NA
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0021 U	0.005 U	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.00093 U	0.02 U	NA
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.00071 U	0.02 U	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.0013 U	0.02 U	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00088 U	0.005 U	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00099 U	0.005 U	NA
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.00061 U	0.01 U	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00079 U	0.005 U	NA
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0013 U	0.005 U	NA
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.0013 U	0.02 U	NA
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.0019 U	0.02 U	NA
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0008 U	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00071 U	0.005 U	NA
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.0026 U	0.01 U	NA
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00068 U	0.005 U	NA
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0025 U	0.005 U	NA
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.0028 U	0.01 U	NA
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0007 U	0.005 U	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00073 U	0.005 U	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00094 U	0.005 U	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00085 U	0.005 U	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00084 U	0.005 U	NA
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.0026 U	0.01 U	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00087 U	0.005 U	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00097 U	0.005 U	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.001 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0027 U	0.005 U	NA
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00088 U	0.005 U	NA
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.0041 J	0.01 U	NA
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.00082 U	0.01 U	NA
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00075 U	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00079 U	0.005 U	NA
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0011 U	0.005 U	NA
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00065 U	0.005 U	NA
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00076 U	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	0.00093 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00067 U	0.005 U	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0011 U	0.005 U	NA
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00081 U	0.005 U	NA
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.001 U	0.005 U	NA
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00074 U	0.005 U	NA
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00073 U	0.005 U	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	11/03/05	05/18/06	11/14/06	05/03/07	11/07/07	05/08/08	12/15/09	11/04/10	09/22/11	10/02/12	10/11/01	01/09/02	08/11/03
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0011 U	0.005 U	NA
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00074 U	0.005 U	NA
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00063 U	0.005 U	NA
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00063 U	0.005 U	NA
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0013 U	0.005 U	NA
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00075 U	0.005 U	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00081 U	0.005 U	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00067 U	0.005 U	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0014 U	0.005 U	NA
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0024 U	0.005 U	NA
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00082 U	0.005 U	NA
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0026 U	0.005 U	NA
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0011 U	0.005 U	NA
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	11/03/05	05/18/06	11/14/06	05/03/07	11/07/07	05/08/08	12/15/09	11/04/10	09/22/11	10/02/12	10/11/01	01/09/02	08/11/03
CDD/F-Filtered														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	11/03/05	05/18/06	11/14/06	05/03/07	11/07/07	05/08/08	12/15/09	11/04/10	09/22/11	10/02/12	10/11/01	01/09/02	08/11/03
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000054 U	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 U	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000056 U	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000075 U	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000061 U	0.0002 U	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000082 U	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000044 U	0.0002 U	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000482 U	0.0016 U	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 U	0.0004 U	NA
Pests/PCBs-Filtered														
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000054 U	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 U	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000056 U	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000075 U	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000061 U	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000082 U	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000044 U	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000482 U	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 U	NA	NA
Inorganics														
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.003 J	0.025 U	NA	NA	NA	NA	0.0022 U	0.025 U	NA
Arsenic	mg/L	0.01 U	0.0012 J	0.0035	0.002	0.0012 J	0.0927	NA	NA	NA	NA	0.03	0.0236	NA
Barium	mg/L	0.237	0.178	0.188	0.198	0.212	0.431	NA	NA	NA	NA	0.0473	0.0572	NA
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	0.00054 U	0.001 U	NA
Cadmium	mg/L	0.005 U	0.0013 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00028 U	0.005 U	NA
Chromium (Total)	mg/L	0.01 U	0.0029 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	0.0029 J	0.01 U	NA
Cobalt	mg/L	0.02 U	0.0026 J	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	0.0013 U	0.02 U	NA
Copper	mg/L	0.005 U	0.0022 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0179	0.005 U	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.0052	NA	NA	NA	NA	0.003	0.003 U	NA
Manganese	mg/L	0.259	0.172	0.181	0.221	0.199	0.348	NA	NA	NA	NA	0.0541	0.234	NA
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.00017 J	0.0002 U	NA
Nickel	mg/L	0.02 U	0.0032 J	0.02 U	0.0021 J	0.02 U	0.02 U	NA	NA	NA	NA	0.0049 J	0.0041 J	NA
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0063	NA	NA	NA	NA	0.0045 U	0.005 U	NA
Silver	mg/L	0.005 U	0.003 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0015 U	0.005 U	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.000031 J	0.000048 J	0.001 U	0.001 U	NA	NA	NA	NA	0.005 U	0.000025 J	NA
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0069 J	NA	NA	NA	NA	0.0171	0.0078 J	NA
Zinc	mg/L	0.02 U	0.0114 J	0.02 U	0.02 U	0.02 U	0.0202	NA	NA	NA	NA	0.169	0.0124 J	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	11/03/05	05/18/06	11/14/06	05/03/07	11/07/07	05/08/08	12/15/09	11/04/10	09/22/11	10/02/12	10/11/01	01/09/02	08/11/03
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 J	0.025 U	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0416	0.0124	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0386	0.0646	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	0.005 U	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0154	0.005 U	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0324	0.269	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000069 U	0.0002 U	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0036 J	0.0027 J	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.000025 J	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0247	0.003 J	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0158 J	0.0208	NA
Miscellaneous														
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters														
Conductivity Field	mS/cm	NA	NA	2.5	NA	NA	NA	NA	4.011	3.803	3.325	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	2,660	2.87	2.99	4.49 [4.49]	NA	NA	2.835	NA	NA	1.59
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.0	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	0.21	0.35	0.45	0.42	0.51 [0.51]	0.35	0.16	0.69	NA	NA	NA
ORP, Field	millivolts	NA	NA	220	162	132	-17	-54 [-54]	-20.6	-54.4	-36.5	NA	NA	NA
pH Field	pH Units	6.81	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	6.14	6.82	7.17	7.06	6.73 [6.73]	6.82	6.83	7.19	NA	NA	8.72
Temperature	Deg C	NA	NA	13.7	14.89	14.77	13.35	10.03 [10.03]	14.52	17.56	17.37	NA	NA	22.96
Temperature, Ambient	Deg F	NA	NA	45	NA	35	55	25 [25]	45	72	NA	NA	NA	NA
Turbidity (Field)	NTU	NA	NA	4.9	4.37	2.2	NA	1.2 [1.2]	1.8	0.61	3.21	NA	NA	1.88

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF12-01
Date Collected:	Units	12/16/03	11/01/04	05/12/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	10/03/12	09/05/01
VOCs															
1,1,1-Trichloroethane	mg/L	0.0082	0.014	0.016	0.023	0.028	0.023	0.034	0.0075	0.014	0.036	0.023	0.014	0.0075	0.03
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.0092	0.0082	0.0047	0.017	0.013	0.0083	0.016	0.0019	0.0048	0.012	0.0065	0.0048	0.0032	0.0045
1,1-Dichloroethene	mg/L	0.0037	0.0038 U	0.0018	0.0068	0.0083	0.003	0.007	0.00093 J	0.0017	0.0056	0.0027	0.0019	0.00073 J	0.0035
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.0017 U	0.001 U	0.005 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.0033 U	0.002 U	<0.001	0.001 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.017 U	0.01 U	0.025 U	0.025 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.017 U	0.01 U	0.05 U	0.05 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.017 U	0.01 U	0.05 U	0.05 U	0.01 U
Acetone	mg/L	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.001 J	0.01 U	0.01 U	0.01 U	0.017 U	0.01 U	0.0016 J	0.025 U	0.01 UJ
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.005 U	0.00023 J	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.00018 J	0.001 U	0.001 U	0.001 U	0.001 U	0.00039 J	0.001 U	0.001 U	0.00034 J	0.00027 J	0.001 J	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.00015 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00031 J	0.001 U	0.0017 U	0.0007 J	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0016	0.0011	0.00058 J	0.0024	0.0028	0.0012	0.0025	0.00036 J	0.00067 J	0.0026	0.0013	0.0009 J	0.00040 J	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0033 UJ	0.002 UJ	0.001 U	0.001 U	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.005 U	0.005 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.017 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0084 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 UJ	0.001 U	0.005 U	0.005 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.0014	0.0026	0.0011	0.0028	0.0057	0.0023	0.0055	0.00095 J	0.0016	0.0055 J	0.0033	0.0016	0.00057 J	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	NA	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	0.001 U	0.00023 J	0.00027 J	0.001 U	0.0002 J	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.0004 J	0.00033 J	0.00049 J	0.00055 J	0.00044 J	0.00043 J	0.00034 J	0.00032 J	0.00051 J	0.00032 J	0.001 U	0.001 U	0.00014 J
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.0033 U	0.002 U	0.002 U	0.002 U	0.001 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF12-01
Date Collected:	Units	12/16/03	11/01/04	05/12/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	10/03/12	09/05/01
SVOCs															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2,4-Dichlorophenol	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
2,4-Dimethylphenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2,4-Dinitrophenol	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2-Chloronaphthalene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2-Chlorophenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2-Methylnaphthalene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2-Methylphenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
2-Nitroaniline	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
2-Nitrophenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
3-Nitroaniline	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
4-Chloroaniline	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
4-Methylphenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
4-Nitroaniline	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
4-Nitrophenol	mg/L	NA	NA	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
Acenaphthene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Acenaphthylene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Acetophenone	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
Anthracene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Atrazine	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Benzaldehyde	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
Benzo(a)anthracene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Benzo(a)pyrene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Biphenyl	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Butyl benzylphthalate	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Caprolactam	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
Carbazole	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
Chrysene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Dibenzofuran	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Diethyl phthalate	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Dimethyl phthalate	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Di-n-butylphthalate	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Di-n-octyl phthalate	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Fluoranthene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Fluorene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Hexachlorobenzene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Hexachlorobutadiene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF12-01
Date Collected:	Units	12/16/03	11/01/04	05/12/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	10/03/12	09/05/01
Hexachlorocyclopentadiene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Hexachloroethane	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
SVOCs															
Indeno(1,2,3-cd)pyrene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Isophorone	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Methylphenol (Cresol)	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Naphthalene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Nitrobenzene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Pentachlorophenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Phenanthrene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Phenol	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Pyrene	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
CDD/F															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF12-01
Date Collected:	Units	12/16/03	11/01/04	05/12/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	10/03/12	09/05/01
CDD/F-Filtered															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF12-01
Date Collected:	Units	12/16/03	11/01/04	05/12/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	10/03/12	09/05/01
CDD/F-Filtered															
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	NA	NA	0.0016 U
Total PCBs	mg/L	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	0.0004 U
Pests/PCBs-Filtered															
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U
Inorganics															
Antimony	mg/L	NA	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	0.01 U	0.01 U	0.00093 J	0.002 U	0.00054 J	0.002 U	0.0013 J	0.00067 J	NA	NA	NA	NA
Barium	mg/L	NA	NA	0.0567	0.0539	0.0594	0.0533	0.032	0.0586	0.0901	0.127	NA	NA	NA	NA
Beryllium	mg/L	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00068 J	0.005 U	0.005 U	NA	NA	NA	NA
Chromium (Total)	mg/L	NA	NA	0.0134	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
Cobalt	mg/L	NA	NA	0.0107 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
Copper	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	NA	NA	NA	NA
Manganese	mg/L	NA	NA	0.315	0.272	0.415	0.311	0.187	0.376	0.421	0.573	NA	NA	NA	NA
Mercury	mg/L	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA
Nickel	mg/L	NA	NA	0.0135 J	0.02 U	0.0023 J	0.002 J	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA
Selenium	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Silver	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	0.001 U	0.001 U	0.000046 J	0.001 U	0.00003 J	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA
Zinc	mg/L	NA	NA	0.0304	0.02 U	0.0155 J	0.02 U	0.02 U	0.02 U	0.02 U	0.0062 J	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF12-01
Date Collected:	Units	12/16/03	11/01/04	05/12/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	10/03/12	09/05/01
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	1.189	NA	NA	NA	NA	NA	1.668	1.538	NA
Conductivity Field	umhos/cm	1.62	NA	NA	NA	NA	NA	1,231	1.34	1.81	2.72	2	NA	1.285	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.2	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	0.48	0.59	0.44	0.34	0.25	0.44	0.39	1.18	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	222	136	149	-44	-53	-50	19.8	-7.0	NA
pH Field	pH Units	NA	6.99	7.16	6.9	6.71	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.01	NA	NA	NA	NA	7.24	6.96	6.66	7.18	6.9	6.77	6.91	6.99	NA
Temperature	Deg C	20.17	NA	NA	NA	NA	19.2	19.73	21.16	18.31	21.52	16.94	18.68	16.55	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	50	NA	35	65	60	25	40	NA	NA
Turbidity (Field)	NTU	0.81	NA	NA	NA	NA	1.4	0.5	2.9	NA	1.03	1.88	0.51	1.85	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07
VOCs														
1,1,1-Trichloroethane	mg/L	0.035	0.073	0.06 J	0.037	0.058	NA	0.081	0.049	0.049	0.079	0.035	0.013	0.022
1,1,2,2-Tetrachloroethane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.0054	0.025	0.017 J	0.0066	0.0059	NA	0.008	0.0043	0.0053	0.0059	0.01	0.0008 J	0.0042
1,1-Dichloroethene	mg/L	0.0028	0.0058	0.0034 J	0.0028	0.0048	NA	0.01	0.0014 J	0.0048	0.006	0.0057	0.00037 J	0.0014
1,2,4-Trichlorobenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 UJ	0.002 U	0.001 U	0.001 U	0.001 U	0.001 UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.004 U	0.005 U	0.004 UJ	0.0029 UJ	0.004 U	NA	0.005 UJ	0.0033 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.02 U	0.025 UJ	0.02 UJ	0.014 U	0.02 U	NA	0.025 U	0.017 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.02 U	0.025 UJ	0.02 UJ	0.014 U	0.02 U	NA	0.025 UJ	0.017 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.02 U	R	R	0.014 U	0.02 U	NA	0.025 U	0.017 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.02 UJ	0.025 UJ	0.02 UJ	0.014 U	0.02 U	NA	0.025 U	0.017 U	0.02 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Benzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.002 UJ	0.0025 UJ	R	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.00019 J	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.0016	0.0013 J	0.00074	0.001 U	NA	0.00067 J	0.0017 U	0.00047 J	0.0003 J	0.00057 J	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.004 U	0.005 U	0.004 UJ	0.0029 U	0.004 U	NA	0.005 U	0.0033 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.02 U	0.025 U	0.02 UJ	0.014 U	0.02 U	NA	0.025 U	0.017 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.01 U	0.012 U	0.01 UJ	0.0072 U	0.01 UJ	NA	0.012 U	0.0084 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.002 U	0.0025 U	R	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.002 U	0.0025 U	0.002 U	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.0012 U	0.001 UJ	0.00072 U	0.001 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 UJ	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.005 U	0.0033 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	R	0.01 U	0.01 UJ	R	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.0037 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 UJ	R	R	NA	0.005 U	NA	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07
CDD/F-Filtered														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered														
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics														
Antimony	mg/L	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.002 U	0.002 U	0.002 U
Barium	mg/L	0.0353	0.0406	0.0246 J	0.0325	0.0365	0.0424	0.0542	NA	0.067	0.0831	0.063	0.0972	0.0997
Beryllium	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	0.02 U	0.00097 J	0.00093 J	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0014 J	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 UJ	0.0023 J	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.002 J
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	1.11 J	1.23	1.05 J	1.07	1.55	1.26	1.18	NA	1.64	1.25	1.52	1.22	1.11
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0027 J	0.0015 J	0.0033 J	0.0017 J	0.0036 J
Selenium	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.000019 J	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 UJ	0.0329 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.037	NA	NA	NA	NA	0.046	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	1.2 J	NA	NA	NA	NA	1.13	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.0034 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.000029 J	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	0.0306 U	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters														
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.23	NA
Conductivity Field	umhos/cm	NA	NA	NA	1.206	NA	1.49	NA	NA	NA	NA	NA	NA	3,350
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	0.36
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216	132
pH Field	pH Units	NA	NA	NA	NA	NA	NA	7.18	NA	7.04	6.7	6.7	NA	NA
pH Field	s.u.	NA	NA	NA	6.96	NA	6.4	NA	NA	NA	NA	NA	7.16	6.88
Temperature	Deg C	NA	NA	NA	13.77	NA	16.1	NA	NA	NA	NA	NA	14.8	14.09
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NA
Turbidity (Field)	NTU	NA	NA	NA	1.44	NA	4.1	NA	NA	NA	NA	NA	1.6	0.18

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03
VOCs												
1,1,1-Trichloroethane	mg/L	0.061	0.022	0.048	0.062	0.001	0.015	0.009	0.0002 J [0.001 U]	0.0013 [0.033]	0.002 [0.0017]	0.00077 J
1,1,2,2-Tetrachloroethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,1,2-Trichloroethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,1-Dichloroethane	mg/L	0.009	0.0028	0.0075	0.006	0.0016	0.0024	0.0011	0.00055 J [0.00046 J]	0.0026 [0.0046]	0.0018 [0.0016]	0.00084 J
1,1-Dichloroethene	mg/L	0.0062	0.00099 J	0.003	0.0035	0.00066 J	0.001 U	0.00045 J	0.001 U [0.001 U]	0.001 U [0.0023]	0.001 U [0.001 U]	0.001 UJ
1,2,4-Trichlorobenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.005 U	0.005 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.004 U	0.002 U	0.0033 U	0.004 U	0.001 U	0.001 U	0.001 U	0.002 U [0.002 U]	0.002 U [0.004 U]	0.002 U [0.002 U]	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,2-Dichlorobenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,2-Dichloroethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,2-Dichloropropane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,3-Dichlorobenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
1,4-Dichlorobenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.02 U	0.01 U	0.017 U	0.02 U	0.025 U	0.025 U	0.025 U	0.01 U [0.01 U]	0.01 U [0.02 U]	0.01 UJ [0.01 UJ]	0.01 UJ
2-Hexanone	mg/L	0.02 U	0.01 U	0.017 U	0.02 U	0.05 U	0.05 U	0.05 U	0.01 U [0.01 U]	0.01 U [0.02 U]	0.01 UJ [0.01 UJ]	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.02 U	0.01 U	0.017 U	0.02 U	0.05 U	0.05 U	0.05 U	0.01 UJ [0.01 U]	0.01 UJ [0.02 U]	R [R]	R
Acetone	mg/L	0.02 U	0.01 U	0.065	0.02 U	0.025 J	0.025 J	0.025 U	0.00078 J [0.00063 J]	0.01 U [0.02 UJ]	0.01 UJ [0.01 UJ]	0.01 UJ
Benzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Bromodichloromethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Bromoform	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Bromomethane (Methyl Bromide)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 U]	0.001 UJ [0.002 UJ]	0.001 UJ [0.001 UJ]	R
Carbon disulfide	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.005 U	0.005 U	0.005 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Carbon tetrachloride	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Chlorobenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Chloroethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Chloroform (Trichloromethane)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.00015 J [0.00017 J]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Chloromethane (Methyl Chloride)	mg/L	0.002 U	0.001 U	0.0017 U	0.00084 J	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
cis-1,2-Dichloroethene	mg/L	0.00061 J	0.001 U	0.00055 J	0.00059 J	0.001 U	0.001 U	0.001 U	0.0005 U [0.0005 U]	0.0005 U [0.001 U]	0.0005 U [0.0005 U]	0.0005 UJ
cis-1,3-Dichloropropene	mg/L	0.002 U	0.001 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Cyclohexane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Dibromochloromethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Dichlorodifluoromethane (CFC-12)	mg/L	0.004 U	0.002 U	0.0033 UJ	0.004 UJ	0.001 U	0.001 U	0.001 U	0.002 U [0.002 U]	0.002 U [0.004 U]	0.002 U [0.002 U]	0.002 UJ
Ethylbenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Isopropylbenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.005 U	0.005 U	0.005 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Methyl acetate	mg/L	0.02 U	0.01 U	0.017 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U [0.02 U]	0.01 U [0.01 U]	0.01 UJ
Methyl cyclohexane	mg/L	0.002 U	0.001 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Methyl Tert Butyl Ether	mg/L	0.01 U	0.005 U	0.0084 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U [0.01 U]	0.005 U [0.005 U]	0.005 UJ
Methylene chloride	mg/L	0.002 U	0.001 U	0.0017 UJ	0.002 U	0.005 U	0.005 U	0.005 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 UJ [0.001 U]	0.001 UJ
Styrene	mg/L	0.002 U	0.001 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	R
Tetrachloroethene	mg/L	0.002 U	0.001 UJ	0.0017 UJ	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Toluene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.00048 J [0.00046 J]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Total 1,3 Dichloropropenes	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	NA	NA	NA	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U
trans-1,2-Dichloroethene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.0005 U [0.0005 U]	0.0005 U [0.001 U]	0.0005 U [0.0005 U]	0.0005 UJ
trans-1,3-Dichloropropene	mg/L	0.002 U	0.001 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Trichloroethene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Trichlorofluoromethane (CFC-11)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Trifluorotrichloroethane (Freon 113)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Vinyl chloride	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 U]	0.001 UJ [0.002 U]	0.001 U [0.001 U]	0.001 UJ
Xylene (total)	mg/L	0.004 U	0.002 UJ	0.0033 U	0.004 U	0.002 U	0.002 U	< 0.002	0.00053 J [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03
SVOCs												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2,4-Dichlorophenol	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
2,4-Dimethylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2,4-Dinitrophenol	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2-Chloronaphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2-Chlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2-Methylnaphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2-Methylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
2-Nitroaniline	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
2-Nitrophenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
3-Nitroaniline	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
4-Chloroaniline	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	R [R]	0.01 U [0.01 U]	0.01 UJ
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
4-Methylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
4-Nitroaniline	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
4-Nitrophenol	mg/L	0.02 U	0.02 UJ	0.02 U	NA	NA	NA	NA	0.02 UJ [0.02 UJ]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 UJ
Acenaphthene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Acenaphthylene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Acetophenone	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Anthracene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Atrazine	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Benzaldehyde	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Benzo(a)anthracene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Benzo(a)pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Biphenyl	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ [0.005 U]	0.005 UJ
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Butyl benzylphthalate	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Caprolactam	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Carbazole	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Chrysene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Dibenzofuran	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Diethyl phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Dimethyl phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Di-n-butylphthalate	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Di-n-octyl phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Fluoranthene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Fluorene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Hexachlorobenzene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Hexachlorobutadiene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Hexachloroethane	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
SVOCs												
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Isophorone	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U
Naphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Nitrobenzene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Pentachlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Phenanthrene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Phenol	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
CDD/F												
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03
CDD/F-Filtered												
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	11/07/07	05/07/08	11/04/08	12/15/09	11/04/10	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03
CDD/F-Filtered												
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs												
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	0.0004 U [0.0004 U]	0.0004 UJ
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	NA	NA	NA	NA	0.0016 U [0.0016 U]	NA	0.0016 U [0.0016 U]	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	0.0004 U [0.0004 U]	0.0004 U
Pests/PCBs-Filtered												
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0016 U [0.0016 U]	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	NA	NA
Inorganics												
Antimony	mg/L	0.025 U	0.025 U	0.025 U	NA	NA	NA	NA	NA	0.025 U [0.025 U]	0.025 U [0.025 U]	0.025 UJ
Arsenic	mg/L	0.002 U	0.001 J	0.002 U	NA	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Barium	mg/L	0.0892	0.0777	0.0596	NA	NA	NA	NA	NA	0.0475 [0.0365]	0.061 [0.0596]	0.0646 J
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	NA	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	0.005 U [0.005 U]	0.00039 J [0.00031 J]	0.005 UJ
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	NA	0.0052 J [0.02 U]	0.0022 J [0.0025 J]	0.0021 J
Copper	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	NA	NA	NA	NA	NA	0.003 U [0.003 U]	0.003 U [0.003 U]	0.003 UJ
Manganese	mg/L	1.55	1.16	1.81	0.747	0.001	0.9	3.2 B	NA	1.57 J [1.11 J]	1.02 [0.996]	1.03 J
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 UJ
Nickel	mg/L	0.0052 J	0.02 U	0.02 U	NA	NA	NA	NA	NA	0.0063 J [0.02 U]	0.0043 J [0.0036 J]	0.0032 J
Selenium	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	0.0046 J [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Silver	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	NA	0.000077 J [0.000024 J]	0.001 U [0.001 U]	0.001 UJ
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ
Zinc	mg/L	0.02 U	0.0052 J	0.0082 J	NA	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.0287]	0.02 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWF12-01 11/07/07	MWF12-01 05/07/08	MWF12-01 11/04/08	MWF12-01 12/15/09	MWF12-01 11/04/10	MWF12-01 09/22/11	MWF12-01 10/03/12	MWF12-02 09/05/01	MWF12-02 01/04/02	MWF12-02 11/13/02	MWF12-02 05/19/03
Inorganics-Filtered												
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U [0.025 U]	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.052 [0.0371]	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.00067 J [0.001 U]	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0051 J [0.02 U]	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U [0.003 U]	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	1.74 J [1.17 J]	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0044 J [0.0033 J]	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000077 J [0.001 U]	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U [0.02 UJ]	NA	NA
Miscellaneous												
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters												
Conductivity Field	mS/cm	NA	NA	NA	NA	1.172	1.721	1.283	NA	NA	NA	NA
Conductivity Field	umhos/cm	2.74	2.71	2.71	2.25	NA	NA	1.062	NA	NA	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	9.7	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.33	0.53	0.18	0.17	0.18	0.23	0.95	NA	NA	NA	NA
ORP, Field	millivolts	162	129	19	-29	31.8	4.4	-31.6	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	6.77	6.84	6.97	6.97	7.05	6.93	7.21	NA	NA	NA	NA
Temperature	Deg C	14.67	15.23	17.07	9.39	15.50	16.7	16.10	NA	NA	NA	NA
Temperature, Ambient	Deg F	35	65	60	25	37	67	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	0.3	NA	4.61	1.87	1	0.28	2.16	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	12/16/03	05/04/04	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08
VOCs													
1,1,1-Trichloroethane	mg/L	0.00025 J	0.00026 J	NA	0.00022 J	0.00037 J	0.00081 J	0.0019	0.0029	0.0026	0.0021	0.0024	0.0012 J
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,1-Dichloroethane	mg/L	0.00098 J	0.0032	NA	0.0033	0.0021	0.0025	0.0014	0.0017	0.0011	0.0013	0.0034	0.0034
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.00018 J	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.0025 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 U	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.005 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
2-Hexanone	mg/L	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
Acetone	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.001 J	0.01 U	0.01 U	0.01 U	0.01 U	0.2
Benzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Bromodichloromethane	mg/L	R	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Bromoform	mg/L	R	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Carbon disulfide	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Chlorobenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Chloroethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.00015 J	0.001 U	0.001 U	0.00034 J	0.001 U	0.0025 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.0025 U
Cyclohexane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.005 UJ
Ethylbenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Methyl acetate	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.012 U
Methylene chloride	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 UJ
Styrene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 UJ
Toluene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
trans-1,3-Dichloropropene	mg/L	R	R	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Trichloroethene	mg/L	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Vinyl chloride	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025 U
Xylene (total)	mg/L	0.001 U	0.001 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	12/16/03	05/04/04	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08
SVOCs													
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	R	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 UJ	0.02 UJ	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 UJ	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.00045 J	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	12/16/03	05/04/04	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08
Hexachlorocyclopentadiene	mg/L	R	R	NA	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs													
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	12/16/03	05/04/04	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08
CDD/F-Filtered													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	12/16/03	05/04/04	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08
CDD/F-Filtered													
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs													
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered													
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics													
Antimony	mg/L	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0022 J	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0028	0.002 U
Barium	mg/L	0.0687	0.0729	0.0803 [0.0785]	0.0978	0.0578	0.0659	0.0635	0.0625	0.0519	0.0752	0.0914	0.0661
Beryllium	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U [0.00046 J]	0.00042 J	0.00052 J	0.005 U	0.00047 J	0.005 U	0.005 U	0.005 U	0.00094 J	0.005 U
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0026 J	0.01 U
Cobalt	mg/L	0.002 J	0.0013 J	0.0021 J [0.0024 J]	0.0021 J	0.0019 J	0.0026 J	0.0034 J	0.0033 J	0.0021 J	0.02 U	0.0042 J	0.0017 J
Copper	mg/L	0.0027 J	0.0025 J	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0022 J	0.005 U	0.0055	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U [0.003 U]	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.956	1.3	1.31 [1.3]	1.07	0.897	1.34	1.25	1.23	0.483	0.612	0.945	1.21
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0056 J	0.0036 J	0.0044 J [0.0056 J]	0.0048 J	0.0061 J	0.0081 J	0.0121 J	0.0155 J	0.0066 J	0.0056 J	0.0081 J	0.0041 J
Selenium	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.0066 U	0.005 U	0.0067 U	0.005 U	0.005 U	0.0043 J	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0031 J	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U [0.00003 J]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.000023 J	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0022 J	0.01 U
Zinc	mg/L	0.0229 U	0.0152 J	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.0174 J	0.02 U	0.02 U	0.0051 J	0.0094 J	0.0076 J

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	12/16/03	05/04/04	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/10/06	05/02/07	11/07/07	05/07/08	11/04/08
Inorganics-Filtered													
Antimony (Dissolved)	mg/L	NA	NA	0.025 U [0.025 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	0.01 U [0.01 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	0.0768 [0.078]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	0.001 U [0.001 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	0.00045 J [0.00039 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	0.01 U [0.01 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	0.0018 J [0.002 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	0.003 U [0.003 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	1.25 [1.28]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	0.0047 J [0.005 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	0.001 U [0.001 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	0.01 U [0.01 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	0.02 U [0.02 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous													
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters													
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	3.73	NA	NA	NA	NA
Conductivity Field	umhos/cm	2.54	NA	2.91	NA	NA	NA	NA	NA	3,300	4.13	3.98	3.98
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	0.26	0.9	0.34	0.24	0.2
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	230	128	171	91	39
pH Field	pH Units	NA	NA	NA	6.92	6.85	6.4	6.61	NA	NA	NA	NA	NA
pH Field	s.u.	6.91	NA	6.5	NA	NA	NA	NA	6.55	6.72	6.77	6.5	6.85
Temperature	Deg C	14.02	NA	15	NA	NA	NA	NA	13.4	11.67	12.85	13.36	16.03
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	50	NA	35	65	60
Turbidity (Field)	NTU	0.31	NA	0.5	NA	NA	NA	NA	1.14	0.23	0.43	NA	0.43

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-05	MWM16-05	MWM16-05	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-22	MWM16-22
Date Collected:	Units	12/16/03	05/09/08	11/06/08	04/26/04	11/10/05	05/09/08	11/05/08	12/16/09	11/05/10	09/22/11	10/02/12	04/26/04	11/10/05
VOCs														
1,1,1-Trichloroethane	mg/L	0.00096 J	0.00033 J	0.00055 J	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 UJ	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.005 U	0.001U	0.001U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.033 U	0.002 U	0.001 U	0.001U	0.001U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.17 U	0.01 U	0.025 U	0.025U	0.025U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.17 U	0.01 U	0.05 U	0.05U	0.05U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.17 U	0.01 U	0.05 U	0.05U	0.05U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.034	0.01 U	0.01 U	0.01 U	1.1	0.0018 J	0.025 U	0.025U	0.025U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Bromodichloromethane	mg/L	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Bromoform	mg/L	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.017 U	0.001 UJ	0.001 U	0.001U	0.001U	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.005 U	0.005U	0.005U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 UJ	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.00034 J	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	0.001 U	0.0005 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.0005 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.017 UJ	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.033 U	0.002 UJ	0.001 U	0.001U	0.001U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.005 U	0.005U	0.005U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.17 U	0.01 U	0.01 U	0.01U	0.01U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.083 U	0.005 U	0.005 U	0.005U	0.005U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.021	0.001 U	0.005 U	0.005U	0.005U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	NA	NA	NA	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	0.001 U	0.0005 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.0005 U	0.001 U
trans-1,3-Dichloropropene	mg/L	R	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.017 UJ	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.017 UJ	0.001 UJ	0.001 U	0.001U	0.001U	0.001 UJ	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.002 U	0.002 U	0.001 U	0.002 U	0.002 U	0.033 U	0.002 U	0.002 U	0.002U	0.002 U	0.001 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-05	MWM16-05	MWM16-05	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-22	MWM16-22
Date Collected:	Units	12/16/03	05/09/08	11/06/08	04/26/04	11/10/05	05/09/08	11/05/08	12/16/09	11/05/10	09/22/11	10/02/12	04/26/04	11/10/05
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	`	NA
2-Chlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/L	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/L	0.02 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	mg/L	0.0007 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/L	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-05	MWM16-05	MWM16-05	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-22	MWM16-22
Date Collected:	Units	12/16/03	05/09/08	11/06/08	04/26/04	11/10/05	05/09/08	11/05/08	12/16/09	11/05/10	09/22/11	10/02/12	04/26/04	11/10/05
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylphenol (Cresol)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CDD/F-Filtered														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-05	MWM16-05	MWM16-05	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-22	MWM16-22
Date Collected:	Units	12/16/03	05/09/08	11/06/08	04/26/04	11/10/05	05/09/08	11/05/08	12/16/09	11/05/10	09/22/11	10/02/12	04/26/04	11/10/05
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	NA	NA	0.0002 UJ	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 UJ	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	NA	NA	0.0002 UJ	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 UJ	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	NA	NA	0.0004 UJ	0.0004 U	NA	NA	NA	NA	NA	NA	0.0004 UJ	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	NA	NA	0.0016 U	0.0016 U	NA	NA	NA	NA	NA	NA	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	NA	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U
Pests/PCBs-Filtered														
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics														
Antimony	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	0.0248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (Total)	mg/L	0.0059 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	0.004 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	0.0017 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWM16-05 12/16/03	MWM16-05 05/09/08	MWM16-05 11/06/08	MWM16-21 04/26/04	MWM16-21 11/10/05	MWM16-21 05/09/08	MWM16-21 11/05/08	MWM16-21 12/16/09	MWM16-21 11/05/10	MWM16-21 09/22/11	MWM16-21 10/02/12	MWM16-22 04/26/04	MWM16-22 11/10/05
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters														
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	0.752	1.074	1.271	NA	NA
Conductivity Field	umhos/cm	1.58	8.01	NA	NA	NA	1.209	1.226	0.978	NA	NA	0.987	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.3	NA	NA
Dissolved Oxygen, Field	mg/L	NA	8.5	NA	NA	NA	0.16	0.12	0.3	0.26	0.43	0.62	NA	NA
ORP, Field	millivolts	NA	67	NA	NA	NA	-99	-93	-142	-61.1	-45.2	-67.0	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.68	7.65	NA	NA	NA	7.33	7.26	6.91	6.98	7.16	6.99	NA	NA
Temperature	Deg C	10.12	12.15	NA	NA	NA	12.46	16.07	5.91	10.68	12.78	14.64	NA	NA
Temperature, Ambient	Deg F	NA	60	60	NA	NA	60	60	25	35	56	NA	NA	NA
Turbidity (Field)	NTU	3.61	9.41	NA	NA	NA	16.4	9.92	10.7	16.5	1.37	5.36	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-22	MWM16-22	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54
Date Collected:	Units	05/09/08	11/05/08	09/02/05	11/09/05	06/15/06	05/09/08	11/07/08	12/16/09	11/05/10	09/23/11	10/02/12	06/14/06	01/10/07
VOCs														
1,1,1-Trichloroethane	mg/L	0.001 U	0.002 U	0.001 U	0.00035 J	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.002 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.004 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 UJ	0.002 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.02 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.02 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.02 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.05 U	0.05 U	0.05 U	0.01 U	0.01 UJ
Acetone	mg/L	0.01 U	0.098	0.01 U	0.01 U	NA	0.01 U	0.023 U	0.0019 J	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 UJ	0.002 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001	0.00039 J	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 UJ	0.002 U	0.001 UJ	0.001 U	NA	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 UJ	0.002 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001	0.00061 J	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00025 J
cis-1,2-Dichloroethene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.002 UJ	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 J	0.001 J	0.001 J	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.004 U	0.002 UJ	0.002 U	NA	0.002 U	0.002 UJ	0.002 UJ	0.001 U	0.001 U	0.001 U	0.002 UJ	0.002 U
Ethylbenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.02 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Methyl cyclohexane	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.01 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.0038	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.005 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.002 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.002 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.002 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	0.004 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-22	MWM16-22	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54
Date Collected:	Units	05/09/08	11/05/08	09/02/05	11/09/05	06/15/06	05/09/08	11/07/08	12/16/09	11/05/10	09/23/11	10/02/12	06/14/06	01/10/07
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-22	MWM16-22	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54
Date Collected:	Units	05/09/08	11/05/08	09/02/05	11/09/05	06/15/06	05/09/08	11/07/08	12/16/09	11/05/10	09/23/11	10/02/12	06/14/06	01/10/07
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylphenol (Cresol)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CDD/F-Filtered														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-22	MWM16-22	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54
Date Collected:	Units	05/09/08	11/05/08	09/02/05	11/09/05	06/15/06	05/09/08	11/07/08	12/16/09	11/05/10	09/23/11	10/02/12	06/14/06	01/10/07
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	0.0004 U	NA	0.0004 U	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	0.00008 J	NA	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	0.00058	NA	0.0016 U	NA	NA	NA	NA	NA	NA	0.0016 U	0.0016 U
Total PCBs	mg/L	NA	NA	0.00008 J	NA	0.0004 U	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U
Pests/PCBs-Filtered														
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics														
Antimony	mg/L	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	0.136	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (Total)	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	NA	0.0046 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	0.000049 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-22	MWM16-22	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54
Date Collected:	Units	05/09/08	11/05/08	09/02/05	11/09/05	06/15/06	05/09/08	11/07/08	12/16/09	11/05/10	09/23/11	10/02/12	06/14/06	01/10/07
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters														
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	1.058	1.091	1.382	NA	NA
Conductivity Field	umhos/cm	3.98	3.86	NA	NA	NA	1.31	1.52	1.428	NA	NA	1.124	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6	NA	NA
Dissolved Oxygen, Field	mg/L	0.24	0.18	NA	NA	NA	0.9	1.23	3.04	2.34	1.44	0.67	NA	NA
ORP, Field	millivolts	-69	-138	NA	NA	NA	-1	125	4	18.2	39.1	-28.5	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.22	6.73	NA	NA	NA	6.9	7.2	7.1	6.96	6.96	6.83	NA	NA
Temperature	Deg C	12.6	13.12	NA	NA	NA	12.32	13.76	4.98	13.58	13.56	15.31	NA	NA
Temperature, Ambient	Deg F	60	60	NA	NA	NA	60	50	25	33	58	NA	NA	NA
Turbidity (Field)	NTU	0.75	1.22	NA	NA	NA	11.1	11.3	3.8	3.78	0.16	4.16	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04
VOCs									
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.00025 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	R [0.001 U]	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.0003 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.00016 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.00024 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.00062 U	0.002 U	0.002 UJ	0.002 U [0.002 U]	0.002 U [0.002 U]	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.00022 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.00011 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.00021 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,2-Dichloropropane	mg/L	0.001 UJ	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.00041 UJ	0.0007 J	0.01 UJ	0.01 UJ [0.01 UJ]	0.01 U [0.01 U]	NA
2-Hexanone	mg/L	0.01 U	0.01 U	0.00046 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.00023 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Acetone	mg/L	0.017	0.01 U	0.00051 UJ	0.0021 J	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Benzene	mg/L	0.001 U	0.001 U	0.00016 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Bromodichloromethane	mg/L	0.001 UJ	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Bromoform	mg/L	0.001 U	0.001 U	0.00018 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 UJ	0.001 U	0.0002 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Carbon disulfide	mg/L	0.001 U	0.001 U	0.0002 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Chlorobenzene	mg/L	0.001 U	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Chloroethane	mg/L	0.001 U	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Chloroform (Trichloromethane)	mg/L	0.001 UJ	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.00022 U	0.0005 U	0.0005 UJ	0.0005 U [0.0005 U]	0.0005 U [0.0005 U]	NA
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Cyclohexane	mg/L	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 UJ	0.00026 U	0.002 U	0.002 UJ	0.002 U [0.002 U]	0.002 U [0.002 U]	NA
Ethylbenzene	mg/L	0.001 U	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Methyl acetate	mg/L	0.01 U	0.01 U	0.00041 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.00013 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Methylene chloride	mg/L	0.001 U	0.001 U	0.00034 U	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U [0.001 U]	NA
Styrene	mg/L	0.001 U	0.001 U	0.00015 U	0.001 U	R	R [R]	0.001 U [0.001 U]	NA
Tetrachloroethene	mg/L	0.001 U	0.001 UJ	0.00023 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	R [0.001 U]	NA
Toluene	mg/L	0.001 U	0.001 U	0.00018 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.00027 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.00015 U	0.0005 U	0.0005 UJ	0.0005 U [0.0005 U]	0.0005 U [0.0005 U]	NA
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.00027 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	R [R]	NA
Trichloroethene	mg/L	0.001 U	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.00028 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.00032 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Vinyl chloride	mg/L	0.001 U	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA
Xylene (total)	mg/L	0.002 U	0.002 U	0.00033 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04
SVOCs									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	NA	0.00078 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2,4,5-Trichlorophenol	mg/L	NA	NA	0.0012 UJ	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2,4,6-Trichlorophenol	mg/L	NA	NA	0.0017 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2,4-Dichlorophenol	mg/L	NA	NA	0.00085 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
2,4-Dimethylphenol	mg/L	NA	NA	0.00085 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2,4-Dinitrophenol	mg/L	NA	NA	0.003 UJ	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	NA
2,4-Dinitrotoluene	mg/L	NA	NA	0.00079 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2,6-Dinitrotoluene	mg/L	NA	NA	0.00057 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2-Chloronaphthalene	mg/L	NA	NA	0.00085 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2-Chlorophenol	mg/L	NA	NA	0.001 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2-Methylnaphthalene	mg/L	NA	NA	0.00064 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2-Methylphenol	mg/L	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
2-Nitroaniline	mg/L	NA	NA	0.0007 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	NA
2-Nitrophenol	mg/L	NA	NA	0.0021 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
3,3'-Dichlorobenzidine	mg/L	NA	NA	0.00093 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	NA
3-Nitroaniline	mg/L	NA	NA	0.00071 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	NA
4,6-Dinitro-2-methylphenol	mg/L	NA	NA	0.0013 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	NA
4-Bromophenyl phenyl ether	mg/L	NA	NA	0.00088 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
4-Chloro-3-methylphenol	mg/L	NA	NA	0.00099 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
4-Chloroaniline	mg/L	NA	NA	0.00061 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
4-Chlorophenyl phenyl ether	mg/L	NA	NA	0.00079 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
4-Methylphenol	mg/L	NA	NA	0.0013 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
4-Nitroaniline	mg/L	NA	NA	0.0013 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	NA
4-Nitrophenol	mg/L	NA	NA	0.0019 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 UJ [0.02 UJ]	NA
Acenaphthene	mg/L	NA	NA	0.0008 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Acenaphthylene	mg/L	NA	NA	0.00071 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Acetophenone	mg/L	NA	NA	0.0026 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Anthracene	mg/L	NA	NA	0.00068 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Atrazine	mg/L	NA	NA	0.0025 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Benzaldehyde	mg/L	NA	NA	0.0028 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Benzo(a)anthracene	mg/L	NA	NA	0.0007 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Benzo(a)pyrene	mg/L	NA	NA	0.00073 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Benzo(b)fluoranthene	mg/L	NA	NA	0.00094 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Benzo(g,h,i)perylene	mg/L	NA	NA	0.00085 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Benzo(k)fluoranthene	mg/L	NA	NA	0.00084 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 UJ [0.005 UJ]	NA
Biphenyl	mg/L	NA	NA	0.0026 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
bis(2-Chloroethoxy)methane	mg/L	NA	NA	0.00087 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
bis(2-Chloroethyl)ether	mg/L	NA	NA	R	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
bis(2-Ethylhexyl)phthalate	mg/L	NA	NA	0.0027 U	0.005 U	0.005 UJ	0.0004 J [0.0013 J]	0.005 U [0.005 U]	NA
Butyl benzylphthalate	mg/L	NA	NA	0.00088 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Caprolactam	mg/L	NA	NA	0.0025 UJ	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Carbazole	mg/L	NA	NA	0.00082 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	NA
Chrysene	mg/L	NA	NA	0.00075 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Dibenz(a,h)anthracene	mg/L	NA	NA	0.00079 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Dibenzofuran	mg/L	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Diethyl phthalate	mg/L	NA	NA	0.00065 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Dimethyl phthalate	mg/L	NA	NA	0.00076 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Di-n-butylphthalate	mg/L	NA	NA	0.00067 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Di-n-octyl phthalate	mg/L	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Fluoranthene	mg/L	NA	NA	0.00081 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Fluorene	mg/L	NA	NA	0.001 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Hexachlorobenzene	mg/L	NA	NA	0.00074 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Hexachlorobutadiene	mg/L	NA	NA	R	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Hexachlorocyclopentadiene	mg/L	NA	NA	R	0.005 U	0.005 UJ	R [R]	R [R]	NA
Hexachloroethane	mg/L	NA	NA	0.00074 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04
SVOCs									
Indeno(1,2,3-cd)pyrene	mg/L	NA	NA	0.00063 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Isophorone	mg/L	NA	NA	0.00063 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Methylphenol (Cresol)	mg/L	NA	NA	0.0013 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Naphthalene	mg/L	NA	NA	0.00075 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Nitrobenzene	mg/L	NA	NA	0.00081 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
N-Nitrosodi-n-propylamine	mg/L	NA	NA	0.00067 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
N-Nitrosodiphenylamine	mg/L	NA	NA	0.0014 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Pentachlorophenol	mg/L	NA	NA	0.0024 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Phenanthrene	mg/L	NA	NA	0.00082 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Phenol	mg/L	NA	NA	0.0026 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
Pyrene	mg/L	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	NA
CDD/F									
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	0.0000000018 U	0.00000005 U	0.0000000063 UJ	0.0000000097 U [0.00000001 U]	0.0000000043 U [0.0000000048 U]	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	0.0000000022 U	0.00000005 U	0.0000000086 UJ	0.0000000086 U [0.000000011 U]	0.0000000021 U [0.0000000015 U]	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	0.0000000008 U	0.000000025 U	0.0000000039 UJ	0.0000000033 U [0.0000000035 U]	0.00000000076 U [0.00000000087 U]	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	0.0000000012 U	0.000000025 U	0.000000004 UJ	0.0000000051 U [0.0000000054 U]	0.0000000022 U [0.0000000023 U]	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	0.000000001 U	0.000000025 U	0.0000000037 UJ	0.0000000038 U [0.0000000041 U]	0.00000000097 U [0.0000000011 U]	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	0.0000000005 U	0.000000025 U	0.0000000048 UJ	0.0000000047 U [0.0000000052 U]	0.000000001 U [0.0000000015 U]	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	0.0000000008 U	0.000000025 U	0.0000000042 UJ	0.0000000056 U [0.0000000054 U]	0.0000000014 U [0.0000000014 U]	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	0.0000000005 U	0.000000025 U	0.0000000047 UJ	0.0000000044 U [0.0000000047 U]	0.00000000085 U [0.0000000013 U]	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	0.0000000009 U	0.000000025 U	0.0000000044 UJ	0.0000000053 U [0.0000000052 U]	0.0000000011 U [0.0000000011 U]	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	0.0000000007 U	0.000000025 U	0.0000000053 UJ	0.000000005 U [0.0000000055 U]	0.0000000011 U [0.0000000017 U]	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	0.0000000008 U	0.000000025 U	0.000000004 UJ	0.0000000052 U [0.000000005 U]	0.0000000012 U [0.0000000012 U]	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	0.000000001 U	0.00000001 U	0.0000000026 UJ	0.0000000036 U [0.0000000037 U]	0.0000000011 U [0.0000000012 U]	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	0.0000000013 U	0.00000001 U	0.000000004 UJ	0.0000000005 U [0.0000000006 U]	0.0000000027 U [0.0000000032 U]	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	0.0000000006 U	0.000000025 U	0.0000000049 UJ	0.0000000046 U [0.000000005 U]	0.00000000097 U [0.0000000015 U]	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	0.0000000009 U	0.00000001 U	0.0000000026 UJ	0.0000000035 U [0.0000000036 U]	0.0000000011 U [0.0000000012 U]	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	0.0000000009 U	0.00000001 U	0.0000000016 UJ	0.0000000022 U [0.0000000027 U]	0.000000001 U [0.000000001 U]	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	0.0000000012 U	0.00000001 U	0.0000000021 UJ	0.0000000035 U [0.0000000033 U]	0.00000000084 U [0.00000000096 U]	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	0.0000000008 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	0.0000000012 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	0.0000000006 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	0.0000000009 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	0.0000000009 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	0.000000012 J	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	0.0000000009 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	0.0000000012 U	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	0.00000000295 U	0.0000000399 U	0.00000000905 U	0.0000000118 U [0.0000000123 U]	0.0000000037 U [0.00000000434 U]	NA
CDD/F-Filtered									
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04
CDD/F-Filtered									
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	0.000054 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	0.00011 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	0.000056 UJ	0.0004 U	0.0004 UJ	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	0.000075 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	0.000061 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	0.000082 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	0.000044 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	0.000482 U	0.0016 U	0.0016 U	0.0016 U [0.0016 U]	0.0016 U [0.0016 U]	NA
Total PCBs	mg/L	NA	NA	0.00011 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	NA
Pests/PCBs-Filtered									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics									
Antimony	mg/L	NA	NA	0.0022 U	0.025 U	0.025 UJ	0.025 U [0.025 U]	0.025 U [0.025 U]	0.025 U
Arsenic	mg/L	NA	NA	0.0109	0.0053 J	0.0021 J	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U
Barium	mg/L	NA	NA	0.155	0.137	0.178 J	0.2 [0.186]	0.216 [0.216]	0.212
Beryllium	mg/L	NA	NA	0.00054 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U
Cadmium	mg/L	NA	NA	0.00028 U	0.005 U	0.005 UJ	0.00049 J [0.00046 J]	0.005 U [0.005 U]	0.005 U
Chromium (Total)	mg/L	NA	NA	0.0014 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U
Cobalt	mg/L	NA	NA	0.0013 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U
Copper	mg/L	NA	NA	0.0042 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.0025 J [0.005 U]	0.005 U
Cyanide (total)	mg/L	NA	NA	0.0027 J	0.01 U	0.0023 J	0.01 U [0.0092 J]	0.01 U [0.0031 J]	NA
Lead	mg/L	NA	NA	0.0025 U	0.003 U	0.003 UJ	0.003 U [0.003 U]	0.003 U [0.003 U]	0.003 U
Manganese	mg/L	NA	NA	0.539 J	0.448 J	0.464 J	0.532 [0.486]	0.543 [0.548]	0.638
Mercury	mg/L	NA	NA	0.00012 J	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U
Nickel	mg/L	NA	NA	0.0022 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.02 U]	0.0033 J
Selenium	mg/L	NA	NA	0.0045 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U
Silver	mg/L	NA	NA	0.0015 U	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	NA	0.000018 U	0.001 U	0.001 UJ	0.001 U [0.000045 J]	0.001 U [0.001 U]	0.001 U
Vanadium	mg/L	NA	NA	0.00082 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U
Zinc	mg/L	NA	NA	0.012 U	0.02 U	0.02 UJ	0.02 U [0.02 U]	0.02 U [0.0157 J]	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04
Inorganics-Filtered									
Antimony (Dissolved)	mg/L	NA	NA	0.0022 U	NA	NA	NA	NA	0.025 U
Arsenic (Dissolved)	mg/L	NA	NA	0.012	NA	NA	NA	NA	0.01 U
Barium (Dissolved)	mg/L	NA	NA	0.163	NA	NA	NA	NA	0.209
Beryllium (Dissolved)	mg/L	NA	NA	0.00054 U	NA	NA	NA	NA	0.001 U
Cadmium (Dissolved)	mg/L	NA	NA	0.00028 U	NA	NA	NA	NA	0.005 U
Chromium Total (Dissolved)	mg/L	NA	NA	0.0014 U	NA	NA	NA	NA	0.01 U
Cobalt (Dissolved)	mg/L	NA	NA	0.0013 U	NA	NA	NA	NA	0.02 U
Copper (Dissolved)	mg/L	NA	NA	0.0042 U	NA	NA	NA	NA	0.005 U
Lead (Dissolved)	mg/L	NA	NA	0.0025 U	NA	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	NA	NA	0.558 J	NA	NA	NA	NA	0.647
Mercury (Dissolved)	mg/L	NA	NA	0.000069 U	NA	NA	NA	NA	0.0002 U
Nickel (Dissolved)	mg/L	NA	NA	0.0022 U	NA	NA	NA	NA	0.0033 J
Selenium (Dissolved)	mg/L	NA	NA	0.0045 U	NA	NA	NA	NA	0.005 U
Silver (Dissolved)	mg/L	NA	NA	0.0015 U	NA	NA	NA	NA	0.005 U
Thallium (Dissolved)	mg/L	NA	NA	0.000018 U	NA	NA	NA	NA	0.001 U
Vanadium (Dissolved)	mg/L	NA	NA	0.00082 U	NA	NA	NA	NA	0.01 U
Zinc (Dissolved)	mg/L	NA	NA	0.012 U	NA	NA	NA	NA	0.02 U
Miscellaneous									
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters									
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	5.79	7.28	NA	NA	NA	1.74	NA	2.17
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.13	0.4	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	81	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	6.86	6.8	NA	NA	NA	7.16	NA	6.82
Temperature	Deg C	18.74	NA	NA	NA	NA	9.48	NA	20.1
Temperature, Ambient	Deg F	60	50	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	2.09	4.79	NA	NA	NA	3.62	NA	1.7

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08
VOCs									
1,1,1-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.00022 J [0.00025 J]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 UJ	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ [0.002 UJ]	0.002 U	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 U	0.002 UJ	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 UJ [0.01 UJ]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 UJ [0.01 UJ]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 UJ [0.01 UJ]	0.01 U	0.01 U [0.0031 J]	0.0013 J [0.0017 J]	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U [0.001 U]	0.001 UJ	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.00027 J [0.00026 J]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.00039 J	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 UJ
Cyclohexane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 UJ
Methyl Tert Butyl Ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 UJ
Xylene (total)	mg/L	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U	0.002 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08
SVOCs									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	R
3-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.014 J [0.005 UJ]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U [0.005 U]	0.005 UJ	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08
SVOCs									
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F									
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000046 U [0.0000000021 U]	0.0000000024 U	0.000000013 U [0.000000018 U]	0.000000016 U [0.000000016 U]	0.0000000038 U	0.000000019 U	0.000000014 U	0.0000000024 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000045 U [0.0000000029 U]	0.0000000053 U	0.000000015 U [0.000000012 U]	0.000000018 U [0.000000028 U]	0.000000014 U	0.000000015 U	0.000000013 U	0.000000015 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000011 U [0.00000000054 U]	0.0000000014 U	0.0000000058 U [0.0000000049 U]	0.0000000014 U [0.0000000016 U]	0.000000002 U	0.0000000082 U	0.0000000047 U	0.0000000013 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000019 U [0.00000000062 U]	0.0000000015 U	0.000000012 U [0.000000012 U]	0.000000014 U [0.000000022 U]	0.0000000027 U	0.0000000097 U	0.0000000079 U	0.0000000017 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000013 U [0.00000000064 U]	0.0000000013 U	0.0000000073 U [0.0000000062 U]	0.0000000071 U [0.0000000066 U]	0.0000000023 U	0.0000000094 U	0.0000000055 U	0.0000000015 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000067 U [0.00000000072 U]	0.0000000021 U	0.0000000059 U [0.0000000059 U]	0.0000000083 U [0.0000000081 U]	0.0000000022 U	0.0000000064 U	0.0000000041 U	0.0000000011 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000018 U [0.0000000019 U]	0.0000000017 U	0.0000000089 U [0.0000000096 U]	0.0000000094 U [0.0000000085 U]	0.0000000024 U	0.0000000089 U	0.0000000071 U	0.0000000014 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000056 U [0.00000000061 U]	0.000000002 U	0.0000000052 U [0.0000000052 U]	0.0000000077 U [0.0000000074 U]	0.000000002 U	0.000000006 U	0.000000004 U	0.0000000011 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000014 U [0.0000000015 U]	0.0000000015 U	0.0000000068 U [0.0000000074 U]	0.0000000086 U [0.0000000077 U]	0.0000000023 U	0.0000000088 U	0.0000000077 U	0.0000000014 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000072 U [0.00000000078 U]	0.0000000025 U	0.000000008 U [0.000000008 U]	0.0000000087 U [0.0000000084 U]	0.0000000025 U	0.0000000071 U	0.0000000042 U	0.0000000012 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000014 U [0.0000000015 U]	0.0000000016 U	0.0000000078 U [0.0000000084 U]	0.0000000083 U [0.0000000075 U]	0.0000000022 U	0.0000000083 U	0.0000000059 U	0.0000000012 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000012 U [0.0000000011 U]	0.0000000014 U	0.0000000054 U [0.0000000056 U]	0.000000011 U [0.00000001 U]	0.0000000019 U	0.0000000087 U	0.000000005 U	0.0000000014 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000017 U [0.0000000021 U]	0.0000000019 U	0.0000000084 U [0.0000000092 U]	0.0000000017 U [0.0000000016 U]	0.0000000033 U	0.000000013 U	0.0000000076 U	0.0000000025 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000065 U [0.0000000007 U]	0.0000000022 U	0.0000000065 U [0.0000000066 U]	0.0000000084 U [0.0000000081 U]	0.0000000022 U	0.000000007 U	0.0000000042 U	0.0000000011 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000012 U [0.0000000011 U]	0.0000000014 U	0.0000000054 U [0.0000000056 U]	0.000000011 U [0.00000001 U]	0.0000000019 U	0.0000000088 U	0.0000000051 U	0.0000000015 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000026 U [0.0000000022 U]	0.0000000014 U	0.0000000037 U [0.0000000035 U]	0.0000000085 U [0.0000000094 UJ]	0.0000000015 U	0.0000000051 U	0.0000000036 U	0.00000000098 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000083 U [0.00000000082 U]	0.00000000099 U	0.0000000043 U [0.0000000043 U]	0.0000000093 U [0.0000000089 U]	0.0000000014 U	0.0000000081 U	0.0000000047 U	0.0000000012 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000013 U [0.00000000064 U]	0.0000000014 U	0.0000000073 U [0.0000000062 U]	0.000000014 U [0.000000016 U]	0.0000000023 U	0.0000000094 U	0.0000000055 U	0.0000000019 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000019 U [0.00000000062 U]	0.0000000015 U	0.000000012 U [0.000000012 U]	0.000000014 U [0.000000022 U]	0.0000000027 U	0.0000000097 U	0.0000000079 U	0.0000000021 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000072 U [0.00000000078 U]	0.0000000025 U	0.000000008 U [0.000000008 U]	0.0000000087 U [0.0000000084 U]	0.0000000025 U	0.0000000071 U	0.0000000042 U	0.0000000012 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000018 U [0.0000000019 U]	0.0000000017 U	0.0000000089 U [0.0000000096 U]	0.0000000094 U [0.0000000085 U]	0.0000000024 U	0.0000000089 U	0.0000000077 U	0.0000000014 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.000000002 U [0.0000000019 U]	0.0000000018 U	0.0000000054 U [0.0000000056 U]	0.000000011 U [0.000000012 U]	0.0000000019 U	0.0000000088 U	0.0000000051 U	0.0000000015 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000017 U [0.0000000021 U]	0.0000000019 U	0.0000000084 U [0.0000000092 U]	0.000000017 U [0.000000016 U]	0.0000000095 U	0.000000013 U	0.0000000084 U	0.0000000025 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000026 U [0.0000000022 U]	0.0000000014 U	0.0000000037 U [0.0000000035 U]	0.0000000085 U [0.0000000094 U]	0.0000000015 U	0.0000000051 U	0.0000000036 U	0.00000000098 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000083 U [0.00000000082 U]	0.00000000099 U	0.0000000043 U [0.0000000043 U]	0.0000000093 U [0.0000000089 U]	0.0000000014 U	0.0000000081 U	0.0000000047 U	0.0000000012 U
2,3,7,8-TCDD Equivalent	mg/L	0.00000000337 U [0.00000000349 U]	0.00000000426 U	0.000000017 U [0.0000000177 U]	0.000000031 U [0.0000000294 U]	0.00000000591 U	0.0000000255 U	0.0000000156 U	0.00000000428 U
CDD/F-Filtered									
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08
CDD/F-Filtered									
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs									
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U [0.0004 U]	0.0004 U	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U [0.0016 U]	0.0016 U	0.0016 U [0.0016 U]	0.0016 U [0.0016 U]	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U [0.0004 U]	0.0004 U	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered									
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics									
Antimony	mg/L	0.025 U [0.025 U]	0.025 U	0.025 U [0.025 U]	0.0045 J [0.025 U]	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.001 J [0.00097 J]	0.002 U	0.00051 J	0.002 U	0.00081 J
Barium	mg/L	0.171 [0.163]	0.147	0.147 [0.147]	0.116 [0.123]	0.126	0.0907	0.0998	0.0664
Beryllium	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.0058 J]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0073 J	0.01 U	0.01 U	0.01 U
Lead	mg/L	0.003 U [0.003 U]	0.003 U	0.003 U [0.003 U]	0.003 U [0.003 U]	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.41 [0.419]	0.447	0.409 [0.414]	0.376 [0.4]	0.421	0.262	0.374	0.187
Mercury	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.0043 J]	0.02 U [0.02 U]	0.0324	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08
Inorganics-Filtered									
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous									
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters									
Conductivity Field	mS/cm	NA	NA	NA	NA	1.47	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	NA	NA	1,580	1.063	0.951
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	0.31	0.28	0.39	1.3
ORP, Field	millivolts	NA	NA	NA	NA	-53	-92	-89	-62
pH Field	pH Units	6.96	6.73	6.87	6.65	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	NA	7.11	7.09	6.81	7.29
Temperature	Deg C	NA	NA	NA	NA	10.21	11.46	13.75	13.66
Temperature, Ambient	Deg F	NA	NA	NA	NA	40	NA	35	65
Turbidity (Field)	NTU	NA	NA	NA	NA	3.87	0.6	4.2	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/06/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04	10/26/04	05/11/05	09/20/05
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,1,2,2-Tetrachloroethane	mg/L	0.001 UJ	0.00025 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U [0.001 U]	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.0003 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,1-Dichloroethane	mg/L	0.001 U	0.00016 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,1-Dichloroethene	mg/L	0.001 U	0.00024 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.00062 U	0.002 U	0.002 UJ	0.002 U	0.002 U	NA	0.002 UJ	0.002 U [0.002 U]	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.00022 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.00011 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,2-Dichloroethane	mg/L	0.001 U	0.00021 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,2-Dichloropropane	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.00041 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 UJ	0.01 U [0.01 U]	NA
2-Hexanone	mg/L	0.01 U	0.00046 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 UJ	0.01 U [0.01 U]	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.00023 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	NA
Acetone	mg/L	0.0016 J	0.00051 UJ	0.0011 J	0.01 UJ	0.01 U	0.01 U	NA	0.01 UJ	0.01 U [0.01 U]	NA
Benzene	mg/L	0.001 U	0.00016 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Bromodichloromethane	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Bromoform	mg/L	0.001 U	0.00018 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.0002 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 UJ [0.001 U]	NA
Carbon disulfide	mg/L	0.001 U	0.0002 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.00059 J [0.001 U]	NA
Carbon tetrachloride	mg/L	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 UJ	0.001 U [0.001 U]	NA
Chlorobenzene	mg/L	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Chloroethane	mg/L	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.00013 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.00022 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U [0.001 U]	NA
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 UJ	0.001 U [0.001 U]	NA
Cyclohexane	mg/L	0.001 UJ	0.00013 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Dibromochloromethane	mg/L	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 UJ	0.00026 U	0.002 U	0.002 UJ	0.002 U	0.002 U	NA	0.002 U	0.002 U [0.002 U]	NA
Ethylbenzene	mg/L	0.001 UJ	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Isopropylbenzene	mg/L	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Methyl acetate	mg/L	0.01 U	0.00041 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	NA
Methyl cyclohexane	mg/L	0.001 UJ	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.00013 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	NA
Methylene chloride	mg/L	0.001 U	0.00034 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Styrene	mg/L	0.001 U	0.00015 U	0.001 U	R	R	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Tetrachloroethene	mg/L	0.001 U	0.00023 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U [0.001 U]	NA
Toluene	mg/L	0.001 U	0.00018 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.00027 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.00015 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U [0.001 U]	NA
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.00027 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 UJ	0.001 U [0.001 U]	NA
Trichloroethene	mg/L	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	NA	0.001 U	0.001 U [0.001 U]	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.00028 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.00032 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Vinyl chloride	mg/L	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA
Xylene (total)	mg/L	0.002 U	0.00033 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.002 U	0.002 U [0.002 U]	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/06/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04	10/26/04	05/11/05	09/20/05
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.0031 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	0.0048 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.0068 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.0034 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.012 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.0023 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2-Chloronaphthalene	mg/L	0.005 UJ	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2-Chlorophenol	mg/L	0.005 U	0.004 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2-Methylnaphthalene	mg/L	0.005 U	0.0026 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2-Methylphenol	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
2-Nitroaniline	mg/L	0.02 U	0.0028 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
2-Nitrophenol	mg/L	0.005 U	0.0084 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
3,3'-Dichlorobenzidine	mg/L	R	0.0037 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
3-Nitroaniline	mg/L	0.02 U	0.0028 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.0052 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.0035 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.004 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
4-Chloroaniline	mg/L	0.01 U	0.0024 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
4-Methylphenol	mg/L	0.005 U	0.0052 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
4-Nitroaniline	mg/L	0.02 U	0.0052 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
4-Nitrophenol	mg/L	0.02 U	0.0076 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA
Acenaphthene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Acenaphthylene	mg/L	0.005 U	0.0028 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
Anthracene	mg/L	0.005 U	0.0027 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Atrazine	mg/L	0.005 U	0.01 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Benzaldehyde	mg/L	0.01 U	0.011 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
Benzo(a)anthracene	mg/L	0.005 U	0.0028 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Benzo(a)pyrene	mg/L	0.005 U	0.0029 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.0038 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Biphenyl	mg/L	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.0035 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.011 U	0.005 U	0.005 UJ	0.0014 J	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Butyl benzylphthalate	mg/L	0.005 U	0.0035 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Caprolactam	mg/L	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
Carbazole	mg/L	0.01 U	0.0033 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA
Chrysene	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Dibenzofuran	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Diethyl phthalate	mg/L	0.005 U	0.0026 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Dimethyl phthalate	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Di-n-butylphthalate	mg/L	0.005 U	0.0027 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.00045 J [0.00053 J]	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Fluoranthene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Fluorene	mg/L	0.005 U	0.004 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Hexachlorobenzene	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Hexachlorobutadiene	mg/L	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Hexachlorocyclopentadiene	mg/L	0.005 U	R	0.005 U	0.005 UJ	R	R	NA	0.02 U	0.005 UJ [0.005 U]	NA
Hexachloroethane	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/06/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04	10/26/04	05/11/05	09/20/05
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.0025 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Isophorone	mg/L	0.005 U	0.0025 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Methylphenol (Cresol)	mg/L	0.005 U	0.0052 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Naphthalene	mg/L	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Nitrobenzene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.0027 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.0056 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Pentachlorophenol	mg/L	0.005 U	0.0096 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Phenanthrene	mg/L	0.005 U	0.0033 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Phenol	mg/L	0.005 U	0.01 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
Pyrene	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000046 U	0.0000000016 UJ	0.00000005 U	0.0000000065 UJ	0.00000001 U	0.0000000038 U	NA	0.0000000024 U	0.0000000022 U [0.0000000018 U]	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000049 U	0.0000000019 U	0.00000005 U	0.000000007 UJ	0.0000000083 U	0.0000000072 U	NA	0.0000000043 U	0.00000001 U [0.0000000071 U]	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000026 U	0.0000000007 U	0.000000025 U	0.0000000045 UJ	0.0000000029 U	0.00000000067 U	NA	0.0000000021 U	0.00000000098 U [0.0000000013 U]	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000036 U	0.0000000011 UJ	0.000000025 U	0.000000004 UJ	0.0000000046 U	0.0000000018 U	NA	0.00000000061 U	0.0000000012 U [0.0000000012 U]	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000003 U	0.0000000009 U	0.000000025 U	0.0000000033 UJ	0.0000000033 U	0.00000000082 U	NA	0.00000000055 U	0.0000000011 U [0.00000000093 U]	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U	0.0000000005 UJ	0.000000025 U	0.0000000046 UJ	0.000000005 U	0.0000000011 U	NA	0.0000000024 U	0.000000002 U [0.0000000016 U]	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000044 U	0.0000000008 U	0.000000025 U	0.0000000042 UJ	0.0000000056 U	0.0000000014 U	NA	0.0000000014 U	0.0000000018 U [0.0000000015 U]	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000027 U	0.0000000005 U	0.000000025 U	0.0000000045 UJ	0.0000000046 U	0.00000000093 U	NA	0.00000000075 U	0.000000002 U [0.0000000016 U]	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000039 U	0.0000000009 U	0.000000025 U	0.0000000044 UJ	0.0000000053 U	0.0000000012 U	NA	0.0000000011 U	0.0000000016 U [0.0000000014 U]	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U	0.0000000007 U	0.000000025 U	0.0000000051 UJ	0.0000000053 U	0.0000000012 U	NA	0.00000000061 U	0.0000000024 U [0.0000000019 U]	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000039 U	0.0000000008 U	0.000000025 U	0.000000004 UJ	0.0000000052 U	0.0000000012 U	NA	0.0000000011 U	0.0000000017 U [0.0000000014 U]	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000033 U	0.000000001 U	0.00000001 U	0.0000000027 UJ	0.0000000039 U	0.0000000011 U	NA	0.0000000011 U	0.0000000013 U [0.0000000014 U]	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000044 U	0.0000000013 U	0.00000001 U	0.0000000038 UJ	0.0000000054 U	0.0000000027 U	NA	0.0000000017 U	0.0000000023 U [0.0000000021 U]	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000003 U	0.0000000006 U	0.000000025 U	0.0000000047 UJ	0.0000000048 U	0.0000000011 U	NA	0.00000000054 U	0.0000000021 U [0.0000000017 U]	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000034 U	0.0000000009 U	0.00000001 U	0.0000000027 UJ	0.0000000038 U	0.0000000011 U	NA	0.0000000011 U	0.0000000013 U [0.0000000014 U]	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000002 U	0.0000000008 U	0.00000001 U	0.0000000017 UJ	0.0000000023 U	0.00000000098 U	NA	0.0000000027 U	0.0000000012 U [0.0000000001 U]	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000034 U	0.0000000011 U	0.00000001 U	0.0000000024 UJ	0.0000000033 U	0.00000000082 U	NA	0.00000000083 U	0.00000000098 U [0.00000000079 U]	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000003 U	0.0000000008 U	NA	NA	NA	NA	NA	0.0000000021 U	0.0000000011 U [0.0000000013 U]	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000036 U	0.0000000038 J	NA	NA	NA	NA	NA	0.00000000073 U	0.000000002 U [0.0000000014 U]	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U	0.0000000033	NA	NA	NA	NA	NA	0.0000000024 U	0.0000000024 U [0.0000000019 U]	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000044 U	0.0000000008 U	NA	NA	NA	NA	NA	0.0000000014 U	0.0000000018 U [0.0000000015 U]	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000034 U	0.0000000009 U	NA	NA	NA	NA	NA	0.0000000018 U	0.0000000015 U [0.0000000014 U]	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000044 U	0.0000000018 J	NA	NA	NA	NA	NA	0.0000000017 U	0.0000000023 U [0.0000000021 U]	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000002 U	0.0000000008 U	NA	NA	NA	NA	NA	0.0000000027 U	0.0000000012 U [0.000000001 U]	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000034 U	0.0000000011 U	NA	NA	NA	NA	NA	0.00000000083 U	0.00000000098 U [0.00000000079 U]	NA
2,3,7,8-TCDD Equivalent	mg/L	0.0000000102 U	0.00000000284 U	0.0000000399 U	0.00000000924 U	0.000000012 U	0.00000000373 U	NA	0.00000000338 U	0.00000000437 U [0.00000000386 U]	NA
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/06/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04	10/26/04	05/11/05	09/20/05
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.000054 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.00011 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.000056 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U [0.0004 U]	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.000075 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.000061 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.000082 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.000044 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.000064 J [0.0002 J]	0.00086
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.000482 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.000564 [0.0007]	0.00136
Total PCBs	mg/L	0.0004 U	0.00011 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.000064 J [0.0002 J]	0.00086
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U	0.0022 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U [0.025 U]	NA
Arsenic	mg/L	0.0016 J	0.0047 J	0.0061 J	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.0032 J [0.0032 J]	NA
Barium	mg/L	0.0758	0.188	0.166	0.139 J	0.245	0.13	0.161	0.105	0.13 [0.127]	NA
Beryllium	mg/L	0.001 U	0.00054 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	NA
Cadmium	mg/L	0.005 U	0.00028 U	0.005 U	0.005 UJ	0.00065 J	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA
Chromium (Total)	mg/L	0.01 U	0.0014 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.0072 J	0.01 U	0.01 U [0.01 U]	NA
Cobalt	mg/L	0.02 U	0.0013 U	0.0011 J	0.02 UJ	0.02 U	0.02 U	0.0021 J	0.02 U	0.02 U [0.02 U]	NA
Copper	mg/L	0.005 U	0.0042 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA
Cyanide (total)	mg/L	0.01 U	0.0034 J	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	NA
Lead	mg/L	0.003 U	0.0025 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U [0.003 U]	NA
Manganese	mg/L	1.23	0.427 J	0.429 J	0.494 J	1.32	0.873	0.74	0.568	0.725 [0.717]	NA
Mercury	mg/L	0.0002 U	0.000069 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	NA
Nickel	mg/L	0.02 U	0.0029 J	0.02 U	0.02 UJ	0.0053 J	0.02 U	0.0085 J	0.02 U	0.0028 J [0.003 J]	NA
Selenium	mg/L	0.005 U	0.0045 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA
Silver	mg/L	0.005 U	0.0015 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.000018 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	NA
Vanadium	mg/L	0.01 U	0.00082 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.0014 J	0.01 U	0.01 U [0.01 U]	NA
Zinc	mg/L	0.02 U	0.012 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.0259	0.02 U	0.02 U [0.02 U]	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-02	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/06/08	01/17/02	11/08/02	05/19/03	12/10/03	05/03/04	05/17/04	10/26/04	05/11/05	09/20/05
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	0.0022 U	NA	NA	NA	NA	0.025 U	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.0043 J	NA	NA	NA	NA	0.01 U	NA	NA	NA
Barium (Dissolved)	mg/L	NA	0.191	NA	NA	NA	NA	0.153	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	0.00054 U	NA	NA	NA	NA	0.001 U	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	0.00028 U	NA	NA	NA	NA	0.005 U	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	0.0014 U	NA	NA	NA	NA	0.0045 J	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	0.0013 U	NA	NA	NA	NA	0.0023 J	NA	NA	NA
Copper (Dissolved)	mg/L	NA	0.0042 U	NA	NA	NA	NA	0.005 U	NA	NA	NA
Lead (Dissolved)	mg/L	NA	0.0025 U	NA	NA	NA	NA	0.003 U	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	0.433 J	NA	NA	NA	NA	0.739	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	0.000069 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	0.0036 J	NA	NA	NA	NA	0.0056 J	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	0.0045 U	NA	NA	NA	NA	0.005 U	NA	NA	NA
Silver (Dissolved)	mg/L	NA	0.0015 U	NA	NA	NA	NA	0.005 U	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	0.000018 U	NA	NA	NA	NA	0.001 U	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	0.00082 U	NA	NA	NA	NA	0.0016 J	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	0.012 U	NA	NA	NA	NA	0.02 U	NA	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.49	NA	NA	NA	2.69	NA	3.96	NA	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	6.91	6.91	NA
pH Field	s.u.	6.96	NA	NA	NA	6.75	NA	6.9	NA	NA	NA
Temperature	Deg C	13.94	NA	NA	NA	8.61	NA	19.7	NA	NA	NA
Temperature, Ambient	Deg F	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	0.69	NA	NA	NA	1.79	NA	4	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/02/05	05/17/06	08/15/06	11/13/06	05/04/07	11/07/07	05/07/08
VOCs								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.002 U [0.004 U]	0.002 U [0.002 U]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	NA	0.05 U [0.05 U]	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]
2-Hexanone	mg/L	0.01 U	0.01 U	NA	0.05 U [0.05 U]	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	NA	0.05 U [0.05 U]	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]
Acetone	mg/L	0.01 U	0.0019 J	NA	0.0094 J [0.0092 J]	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]
Benzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Bromodichloromethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Bromoform	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	NA	0.005 UJ [0.005 UJ]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Carbon disulfide	mg/L	0.0011	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Carbon tetrachloride	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Chlorobenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Chloroethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 UJ [0.001 UJ]
Cyclohexane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Dibromochloromethane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.002 U [0.004 U]	0.002 U [0.002 U]
Ethylbenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Isopropylbenzene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Methyl acetate	mg/L	0.01 U	0.01 U	NA	0.05 U [0.05 U]	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]
Methyl cyclohexane	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	NA	0.025 U [0.025 U]	0.025 U [0.025 U]	0.005 U [0.01 U]	0.005 U [0.005 U]
Methylene chloride	mg/L	0.001 U	0.001 U	NA	0.0047 J [0.0053]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Styrene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Tetrachloroethene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Toluene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Trichloroethene	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Vinyl chloride	mg/L	0.001 U	0.001 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]
Xylene (total)	mg/L	0.002 U	0.002 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.002 U [0.004 U]	0.002 UJ [0.002 UJ]

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/02/05	05/17/06	08/15/06	11/13/06	05/04/07	11/07/07	05/07/08
SVOCs								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2-Chlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2-Methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
2-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
2-Nitrophenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
3-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
4-Chloroaniline	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
4-Methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
4-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
4-Nitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]
Acenaphthene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Acenaphthylene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Acetophenone	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]
Anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.00021 J]	0.005 U [0.005 U]
Atrazine	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Benzaldehyde	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Biphenyl	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.0013 J	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Caprolactam	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 UJ]
Carbazole	mg/L	0.01 U	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]
Chrysene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Dibenzofuran	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Diethyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Dimethyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Fluorene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Hexachlorobenzene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ [0.005 UJ]	0.005 U [0.005 U]
Hexachloroethane	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/02/05	05/17/06	08/15/06	11/13/06	05/04/07	11/07/07	05/07/08
SVOCs								
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Isophorone	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Naphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Nitrobenzene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Pentachlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Phenanthrene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Phenol	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
CDD/F								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.000000014 U	0.000000012 U	0.0000000043 U	0.0000000047 U [0.0000000048 U]	0.0000000048 U [0.0000000051 U]	0.0000000097 U [0.0000000077 U]	0.0000000037 U [0.0000000073 U]
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000018 U	0.00000006 J	0.0000000081 U	0.000000019 U [0.000000022 U]	0.0000000068 UJ [0.0000000075 UJ]	0.000000011 U [0.0000000076 U]	0.0000000048 U [0.0000000067 U]
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000051 U	0.000000016 U	0.0000000023 U	0.000000002 U [0.000000002 U]	0.0000000023 U [0.0000000018 U]	0.0000000054 U [0.0000000029 U]	0.0000000018 U [0.0000000033 U]
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000089 U	0.000000023 U	0.0000000028 U	0.0000000034 U [0.0000000031 U]	0.0000000033 U [0.0000000019 U]	0.0000000056 U [0.0000000048 U]	0.000000002 U [0.0000000044 U]
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000065 U	0.0000000076 U	0.0000000028 U	0.0000000024 U [0.0000000023 U]	0.000000003 U [0.0000000023 U]	0.0000000063 U [0.0000000034 U]	0.0000000022 U [0.0000000041 U]
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000006 U	0.000000008 U	0.000000004 U	0.0000000021 U [0.0000000023 U]	0.0000000042 U [0.0000000048 U]	0.0000000044 U [0.0000000029 U]	0.0000000014 U [0.0000000022 U]
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000073 U	0.0000000082 U	0.0000000031 U	0.000000003 U [0.0000000031 U]	0.0000000068 U [0.0000000069 U]	0.0000000069 U [0.0000000046 U]	0.0000000021 U [0.0000000045 U]
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000052 U	0.0000000074 U	0.0000000038 U	0.0000000019 U [0.0000000021 U]	0.0000000036 U [0.0000000042 U]	0.0000000043 U [0.0000000029 U]	0.0000000013 U [0.0000000019 U]
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000056 U	0.0000000075 U	0.0000000028 U	0.0000000029 U [0.000000003 U]	0.0000000048 U [0.0000000049 U]	0.0000000074 U [0.000000005 U]	0.000000002 U [0.0000000038 U]
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000008 U	0.0000000083 U	0.0000000045 U	0.0000000024 U [0.0000000027 U]	0.0000000051 U [0.0000000059 U]	0.0000000045 U [0.000000003 U]	0.0000000015 U [0.0000000025 U]
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000064 U	0.0000000073 U	0.0000000028 U	0.0000000028 U [0.0000000029 U]	0.0000000053 U [0.0000000055 U]	0.0000000057 U [0.0000000038 U]	0.0000000018 U [0.000000004 U]
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000051 U	0.000000011 U	0.0000000026 U	0.0000000018 U [0.0000000019 U]	0.0000000028 U [0.0000000023 U]	0.0000000058 U [0.0000000043 U]	0.0000000019 U [0.0000000025 U]
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000008 U	0.000000016 U	0.000000004 U	0.0000000034 U [0.000000004 U]	0.000000004 U [0.0000000045 U]	0.0000000097 U [0.0000000066 U]	0.000000003 U [0.0000000046 U]
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000066 U	0.0000000081 U	0.0000000041 U	0.0000000022 U [0.0000000024 U]	0.0000000044 U [0.000000005 U]	0.0000000045 U [0.000000003 U]	0.0000000013 U [0.0000000022 U]
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000051 U	0.000000011 U	0.0000000026 U	0.0000000018 U [0.0000000019 U]	0.0000000026 U [0.0000000022 U]	0.000000006 U [0.0000000044 U]	0.000000002 U [0.0000000026 U]
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000035 U	0.0000000038 UJ	0.0000000023 U	0.0000000014 U [0.0000000015 U]	0.0000000022 U [0.0000000049 U]	0.0000000037 U [0.0000000026 U]	0.0000000011 U [0.0000000017 U]
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000048 U	0.0000000041 UJ	0.0000000023 U	0.0000000013 U [0.0000000013 U]	0.0000000019 U [0.0000000023 U]	0.000000005 U [0.0000000032 U]	0.0000000014 U [0.0000000024 U]
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000065 U	0.000000016 U	0.0000000028 U	0.0000000024 U [0.0000000023 U]	0.000000003 U [0.0000000023 U]	0.0000000063 U [0.0000000034 U]	0.0000000022 U [0.0000000041 U]
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000089 U	0.000000023 U	0.0000000028 U	0.0000000034 U [0.0000000031 U]	0.0000000033 U [0.0000000019 U]	0.0000000056 U [0.0000000048 U]	0.000000002 U [0.0000000044 U]
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000008 U	0.0000000083 U	0.0000000045 U	0.0000000024 U [0.0000000027 U]	0.0000000051 U [0.0000000059 U]	0.0000000045 U [0.000000003 U]	0.0000000015 U [0.0000000025 U]
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000073 U	0.0000000082 U	0.0000000031 U	0.000000003 U [0.0000000031 U]	0.0000000068 U [0.0000000069 U]	0.0000000074 U [0.000000005 U]	0.0000000021 U [0.0000000045 U]
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000051 U	0.000000011 U	0.000000003 U	0.0000000018 U [0.0000000019 U]	0.0000000041 U [0.0000000023 U]	0.0000000061 U [0.0000000046 U]	0.000000002 U [0.0000000026 U]
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000008 U	0.000000021 U	0.000000004 U	0.000000013 U [0.000000011 U]	0.000000004 U [0.0000000045 U]	0.0000000097 U [0.0000000066 U]	0.000000003 U [0.0000000046 U]
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000035 U	0.0000000038 U	0.0000000023 U	0.0000000016 U [0.0000000015 U]	0.000000013 J [0.0000000049 U]	0.0000000037 U [0.0000000026 U]	0.0000000011 U [0.0000000017 U]
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000048 U	0.0000000041 U	0.0000000023 U	0.0000000013 U [0.0000000013 U]	0.0000000019 U [0.0000000023 U]	0.000000005 U [0.0000000032 U]	0.0000000014 U [0.0000000024 U]
2,3,7,8-TCDD Equivalent	mg/L	0.0000000167 U	0.0000000123	0.00000000856 U	0.00000000596 U [0.00000000645 U]	0.00000000908 U [0.00000001 U]	0.0000000175 U [0.0000000118 U]	0.00000000531 U [0.00000000854 U]
CDD/F-Filtered								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	0.0000000053 U	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	0.0000000047 U	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	0.0000000022 U	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	0.0000000036 U	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	0.0000000027 U	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	0.0000000039 U	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	0.0000000033 U	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	0.0000000037 U	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	0.0000000031 U	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	0.0000000044 U	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	0.000000003 U	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	0.0000000029 U	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	0.0000000043 U	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	0.000000004 U	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	0.0000000028 U	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/02/05	05/17/06	08/15/06	11/13/06	05/04/07	11/07/07	05/07/08
CDD/F-Filtered								
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	0.0000000017 U	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	0.0000000018 U	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	0.0000000027 U	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	0.0000000036 U	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	0.0000000044 U	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	0.0000000033 U	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	0.0000000029 U	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	0.0000000043 U	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	0.0000000017 U	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	0.0000000018 U	NA	NA	NA	NA
Pests/PCBs								
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	NA	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	NA	0.0016 U [0.0016 U]	0.0016 U [0.0016 U]	0.0016 U [0.0016 U]	0.0016 U [0.0016 U]
Total PCBs	mg/L	0.0004 U	0.0004 U	NA	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]
Pests/PCBs-Filtered								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics								
Antimony	mg/L	0.025 U	0.025 U	NA	0.025 U [0.025 U]	0.025 U [0.025 U]	0.0102 J [0.0027 J]	0.025 U [0.025 U]
Arsenic	mg/L	0.01 U	0.002	NA	0.002 [0.0017 J]	0.001 J [0.0014 J]	0.0073 [0.0054]	0.0015 J [0.0015 J]
Barium	mg/L	0.134	0.162	NA	0.219 [0.214]	0.335 [0.339]	0.0969 [0.095]	0.24 [0.249]
Beryllium	mg/L	0.001 U	0.001 U	NA	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]
Cadmium	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0012 J [0.005 U]
Chromium (Total)	mg/L	0.0046 J	0.0033 J	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0045 J [0.01 U]
Cobalt	mg/L	0.0016 J	0.0018 J	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.0041 J [0.02 U]
Copper	mg/L	0.0041 J	0.0032 J	NA	0.005 U [0.005 U]	0.005 U [0.0021 J]	0.005 U [0.005 U]	0.0056 [0.005 U]
Cyanide (total)	mg/L	0.01 U	0.01 U	NA	0.01 [0.0058 J]	0.0049 J [0.0055 J]	0.01 U [0.01 U]	0.0053 [0.005]
Lead	mg/L	0.0181	0.0044	NA	0.003 U [0.003 U]	0.003 U [0.003 U]	0.0029 J [0.003 U]	0.003 U [0.003 U]
Manganese	mg/L	0.675	0.737	NA	0.741 [0.724]	1.13 [1.13]	0.425 [0.434]	0.324 [0.296]
Mercury	mg/L	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]
Nickel	mg/L	0.0093 J	0.0046 J	NA	0.02 U [0.02 U]	0.0033 J [0.02 U]	0.02 U [0.0037 J]	0.0065 J [0.02 U]
Selenium	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]
Silver	mg/L	0.005 U	0.005 U	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0042 J [0.005 U]
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	NA	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]
Vanadium	mg/L	0.0032 J	0.01 U	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0033 J [0.0025 J]	0.004 J [0.01 U]
Zinc	mg/L	0.0352	0.0205	NA	0.02 U [0.02 U]	0.02 U [0.02 U]	0.005 J [0.02 U]	0.0081 J [0.0077 J]

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	11/02/05	05/17/06	08/15/06	11/13/06	05/04/07	11/07/07	05/07/08
Inorganics-Filtered								
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Miscellaneous								
pH (water)	none	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA
Field Parameters								
Conductivity Field	mS/cm	NA	NA	NA	4.18	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	2.6	NA	6,340	2.71	4.27
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	0.14	0.14	0.32	3.08	1.63
ORP, Field	millivolts	NA	NA	-81	-153	-118	-78	-54
pH Field	pH Units	6.88	6.7	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	6.71	6.91	7.44	6.81	7.04
Temperature	Deg C	NA	NA	22.3	10.38	13.63	13.16	15.62
Temperature, Ambient	Deg F	NA	NA	65	40	NA	40	65
Turbidity (Field)	NTU	NA	NA	3.29	4.6	4.22	4.8	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04	10/27/04	05/11/05
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.00092 J	NA	0.001 U	0.002 U	NA	0.001 U	0.0017 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U [0.002 U]	0.002 U	NA	0.002 U	NA	0.002 U	0.004 U	NA	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.00063 J [0.00071 J]	0.00087 J	NA	0.01 U	NA	0.01 U	0.00093 J	NA	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.02 UJ	NA	0.01 UJ	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U [0.01 U]	0.0016 J	NA	0.01 U	NA	0.01 U	0.02 U	NA	0.00057 J	0.01 U
Acetone	mg/L	0.0017 J [0.003 J]	0.033 J	NA	0.01 U	NA	0.006 J	0.0071 J	NA	0.01 U	0.01 U
Benzene	mg/L	0.001 U [0.001 U]	0.00019 J	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Bromoform	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U [0.001 U]	0.001 UJ	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.00036 J
Carbon tetrachloride	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U [0.001 U]	0.00081 J	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.0002 J	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.001 U	NA	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.02 U	NA	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 UJ [0.002 UJ]	0.002 U	NA	0.002 U	NA	0.002 UJ	0.004 U	NA	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.02 U	NA	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U [0.005 U]	0.0071	NA	0.005 U	NA	0.005 U	0.01 U	NA	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.007	0.001 U [0.001 U]	0.001 U	0.002 UJ	NA	0.001 U	0.001 U
Styrene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Toluene	mg/L	0.001 U [0.001 U]	0.00039 J	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.02 U	NA	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.001 U	NA	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 UJ	0.001 U
Trichloroethene	mg/L	0.001 U [0.001 U]	0.00024 J	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U [0.001 UJ]	0.00066 J	NA	0.001 U	NA	0.0019	0.0012 J	NA	0.001 U	0.00041 J
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U [0.002 U]	0.00069 J	NA	0.001 U	NA	0.001 U	0.002 U	NA	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04	10/27/04	05/11/05
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U [0.005 U]	0.011	NA	0.005 U	NA	0.0011 J	0.0019 J	NA	0.005 U	0.0052
2,4-Dinitrophenol	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 UJ [0.005 UJ]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U [0.005 U]	0.0018 J	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.0024 J
2-Methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	R	NA	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	R	NA	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	R	NA	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U [0.005 U]	0.021	NA	0.005 U	NA	0.0018 J	0.0065	NA	0.01	0.0053
4-Nitroaniline	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	R	NA	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	NA	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U [0.005 U]	0.0024 J	NA	0.005 U	NA	0.00077 J	0.005 U	NA	0.005 U	0.0021 J
Acenaphthylene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U
Anthracene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Atrazine	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Biphenyl	mg/L	0.01 UJ [0.01 UJ]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.001 J
bis(2-Chloroethoxy)methane	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.0041 J	NA	0.00047 J	0.005 U	NA	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Caprolactam	mg/L	0.01 UJ [0.01 UJ]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U	0.0028 J
Carbazole	mg/L	0.01 U [0.01 U]	0.0015 J	NA	0.01 U	NA	0.0012 J	0.01 U	NA	0.0016 J	0.0013 J
Chrysene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U [0.005 U]	0.0018 J	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.0012 J
Diethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U [0.005 U]	0.00099 J	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.0011 J
Fluorene	mg/L	0.005 U [0.005 U]	0.0022 J	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.0011 J
Hexachlorobenzene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	R	R	NA	0.005 U	0.005 UJ
Hexachloroethane	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04	10/27/04	05/11/05
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Isophorone	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U [0.005 U]	0.021	NA	0.005 U	NA	0.0018 J	0.0065	NA	0.01	0.0053
Naphthalene	mg/L	0.005 U [0.005 U]	0.0062	NA	0.005 U	NA	0.0029 J	0.005 U	NA	0.0057	0.0063
Nitrobenzene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.0007 J	0.005 U	NA	0.005 U	0.00097 J
Phenol	mg/L	0.005 U [0.005 U]	0.019	NA	0.005 U	NA	0.005 U	0.016	NA	0.0066	0.0098
Pyrene	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.00063 J	0.005 U	NA	0.005 U	0.00059 J
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000042 U [0.0000000051 U]	0.0000000015 UJ	NA	0.000000015 U	NA	0.0000000012 U	0.0000000073 U	NA	0.0000000018 U	0.0000000028 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000006 U [0.0000000053 U]	0.0000000019 UJ	NA	0.000000074 J	NA	0.0000000078 U	0.000000007 U	NA	0.0000000045 U	0.000000017 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000022 U [0.0000000026 U]	0.000000002 J	NA	0.0000000056 U	NA	0.0000000006 U	0.000000004 U	NA	0.00000000077 U	0.0000000017 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000049 U [0.0000000043 U]	0.0000000017 J	NA	0.00000001 U	NA	0.00000000069 U	0.000000006 U	NA	0.00000000067 U	0.000000003 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000025 U [0.0000000031 U]	0.000000001 U	NA	0.0000000017 U	NA	0.00000000042 U	0.0000000045 U	NA	0.00000000045 U	0.000000001 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000029 U [0.0000000034 U]	0.0000000015 J	NA	0.0000000016 U	NA	0.0000000037 U	0.0000000069 U	NA	0.0000000012 U	0.0000000021 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000004 U [0.0000000044 U]	0.0000000009 U	NA	0.0000000027 U	NA	0.0000000006 U	0.00000001 U	NA	0.00000000099 U	0.000000002 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000025 U [0.0000000029 U]	0.0000000006 U	NA	0.0000000015 U	NA	0.00000000037 U	0.0000000068 U	NA	0.00000000059 U	0.000000002 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000035 U [0.0000000039 U]	0.0000000009 U	NA	0.0000000026 U	NA	0.00000000064 U	0.00000001 U	NA	0.00000000076 U	0.0000000018 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000029 U [0.0000000034 U]	0.0000000007 U	NA	0.0000000017 U	NA	0.00000000043 U	0.0000000091 U	NA	0.00000000086 U	0.0000000024 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000035 U [0.0000000039 U]	0.0000000009 U	NA	0.0000000025 U	NA	0.00000000057 U	0.00000001 U	NA	0.0000000008 U	0.0000000018 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000039 U [0.000000004 U]	0.0000000008 U	NA	0.0000000019 U	NA	0.0000000007 U	0.0000000055 U	NA	0.000000002 U	0.0000000013 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000053 U [0.0000000053 U]	0.000000001 U	NA	0.0000000028 U	NA	0.00000000083 U	0.0000000072 U	NA	0.0000000012 U	0.0000000017 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000028 U [0.0000000032 U]	0.00000000098 J	NA	0.0000000017 U	NA	0.0000000004 U	0.0000000078 U	NA	0.00000000066 U	0.0000000022 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000041 U [0.0000000042 U]	0.0000000008 U	NA	0.0000000021 U	NA	0.0000000025 U	0.000000011 U	NA	0.0000000061 U	0.0000000013 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000023 U [0.0000000024 U]	0.0000000054 J	NA	0.0000000016	NA	0.000000019	0.0000000063 CON	NA	0.0000000037	0.0000000049 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000033 U [0.0000000038 U]	0.000000001 U	NA	0.0000000012 U	NA	0.00000000053 U	0.0000000041 U	NA	0.00000000075 U	0.00000000093 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000025 U [0.0000000031 U]	0.000000002	NA	NA	NA	NA	NA	NA	0.00000000077 U	0.0000000017 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000049 U [0.0000000043 U]	0.0000000029	NA	NA	NA	NA	NA	NA	0.00000000067 U	0.0000000003 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000029 U [0.0000000034 U]	0.0000000025	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.0000000024 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000004 U [0.0000000044 U]	0.0000000009 U	NA	NA	NA	NA	NA	NA	0.00000000099 U	0.000000002 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000041 U [0.0000000042 U]	0.0000000021 J	NA	NA	NA	NA	NA	NA	0.00000002 U	0.0000000016 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000053 U [0.0000000053 U]	0.000000001 U	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.0000000017 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000023 U [0.0000000024 U]	0.0000000259 J	NA	NA	NA	NA	NA	NA	0.00000031 J	0.0000000058 J
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000033 U [0.0000000038 U]	0.000000001 U	NA	NA	NA	NA	NA	NA	0.00000000075 U	0.00000000093 U
2,3,7,8-TCDD Equivalent	mg/L	0.0000000107 U [0.0000000116 U]	0.000000002	NA	0.00000000436	NA	0.0000000032	0.0000000161	NA	0.00000000626	0.00000000449 U
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04	10/27/04	05/11/05
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.00055
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U [0.0002 U]	0.00064	0.00051	0.0013	NA	0.00088	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U [0.0016 U]	0.00114	0.00101	0.0018	NA	0.00138	0.0016 U	NA	0.0016 U	0.00105
Total PCBs	mg/L	0.0004 U [0.0004 U]	0.00064	0.00051	0.0013	NA	0.00088	0.0004 U	NA	0.0004 U	0.00055
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U [0.025 U]	0.0026 J	NA	0.0056 J	NA	0.0073 J	0.0044 J	0.009 J	0.0052 J	0.006 J
Arsenic	mg/L	0.004 [0.0043]	0.006 J	NA	0.0033 J	NA	0.0046 J	0.0051 J	0.0033 J	0.0075 J	0.0066 J
Barium	mg/L	0.0961 [0.0939]	0.0939	NA	0.035	NA	0.0331	0.0583	0.0361 U	0.039	0.128
Beryllium	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U [0.01 U]	0.002 J	NA	0.0305	NA	0.0058 J	0.0239	0.0424	0.01 U	0.0101
Cobalt	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.00076 J	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U [0.005 U]	0.0094	NA	0.0222	NA	0.0161 U	0.02	0.0173	0.0035 J	0.0067 U
Cyanide (total)	mg/L	0.01 U [0.01 U]	NA	NA	0.0175	NA	0.0127	0.0172	NA	0.018	0.028
Lead	mg/L	0.003 U [0.003 U]	0.004	NA	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	1.05 [1.03]	0.0016 J	NA	0.0013 J	NA	0.01 U	0.01 U	0.0017 J	0.01 U	0.01 U
Mercury	mg/L	0.0002 U [0.0002 U]	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.000041 J	0.0002 U
Nickel	mg/L	0.0055 J [0.0055 J]	0.0103 J	NA	0.02 U	NA	0.0032 J	0.0036 J	0.0031 J	NA	0.02 U
Selenium	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U [0.01 U]	0.0238	NA	0.0484	NA	0.0239	0.036	0.049	0.0175	0.0248
Zinc	mg/L	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW1-03 11/06/08	MWW1-04 02/19/02	MWW1-04 07/17/02	MWW1-04 05/21/03	MWW1-04 11/10/03	MWW1-04 12/17/03	MWW1-04 05/06/04	MWW1-04 05/19/04	MWW1-04 10/27/04	MWW1-04 05/11/05
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	0.025 U	NA	NA	NA	NA	NA	0.0082 J	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.0065 J	NA	NA	NA	NA	NA	0.0049 J	NA	NA
Barium (Dissolved)	mg/L	NA	0.0951	NA	NA	NA	NA	NA	0.0353 U	NA	NA
Beryllium (Dissolved)	mg/L	NA	0.001 U	NA	NA	NA	NA	NA	0.001 U	NA	NA
Cadmium (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	0.005 U	NA	NA
Chromium Total (Dissolved)	mg/L	NA	0.0022 J	NA	NA	NA	NA	NA	0.0377	NA	NA
Cobalt (Dissolved)	mg/L	NA	0.02 U	NA	NA	NA	NA	NA	0.0012 J	NA	NA
Copper (Dissolved)	mg/L	NA	0.0056	NA	NA	NA	NA	NA	0.0152	NA	NA
Lead (Dissolved)	mg/L	NA	0.003 U	NA	NA	NA	NA	NA	0.003 U	NA	NA
Manganese (Dissolved)	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	0.0015 J	NA	NA
Mercury (Dissolved)	mg/L	NA	0.000088 J	NA	NA	NA	NA	NA	0.0002 U	NA	NA
Nickel (Dissolved)	mg/L	NA	0.0071 J	NA	NA	NA	NA	NA	0.02 U	NA	NA
Selenium (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	0.005 U	NA	NA
Silver (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	0.005 U	NA	NA
Thallium (Dissolved)	mg/L	NA	0.001 U	NA	NA	NA	NA	NA	0.001 U	NA	NA
Vanadium (Dissolved)	mg/L	NA	0.0245	NA	NA	NA	NA	NA	0.0479	NA	NA
Zinc (Dissolved)	mg/L	NA	0.02 U	NA	NA	NA	NA	NA	0.02 U	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.412	NA	NA	NA	NA	1.08	NA	1.31	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	11.64	11.71
pH Field	s.u.	7.06	NA	NA	NA	NA	12.02	NA	11.4	NA	NA
Temperature	Deg C	12.08	NA	NA	NA	NA	9.59	NA	15.4	NA	NA
Temperature, Ambient	Deg F	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	1.41	NA	NA	NA	NA	3.35	NA	1.4	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/02/05	02/08/06	05/17/06	08/15/06	11/13/06	01/10/07	03/22/07	05/03/07	10/08/07	11/09/07	11/14/07	05/08/08
VOCs													
1,1,1-Trichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
1,1-Dichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.00095 J	NA	0.00025 J	NA	0.00062 J	NA	NA	0.0013 J	NA	0.001 U	NA	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	0.002 UJ	NA	0.002 U	NA	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.0021 J	NA	0.01 U	NA	0.0016 J	NA	NA	0.00084 J	NA	0.0018 J	NA	0.01 U
2-Hexanone	mg/L	0.00083 J	NA	0.01 U	NA	0.01 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.00053 J	NA	0.01 U	NA	0.00036 J	NA	NA	0.01 U	NA	0.00062 J	NA	0.01 U
Acetone	mg/L	0.01 U	NA	0.01 U	NA	0.01 UJ	NA	NA	0.0037 J	NA	0.013 U	NA	0.01 U
Benzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Bromodichloromethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
Bromoform	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
Carbon disulfide	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Carbon tetrachloride	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Chlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Chloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
Chloromethane (Methyl Chloride)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
Cyclohexane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
Dibromochloromethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	NA	0.002 U	NA	0.002 UJ	NA	NA	0.002 U	NA	0.002 U	NA	0.002 U
Ethylbenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Isopropylbenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Methyl acetate	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
Methyl cyclohexane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Methylene chloride	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Styrene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Tetrachloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Toluene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Trichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.002	NA	0.00028 J	NA	0.0011	NA	NA	0.0008 J	NA	0.001 U	NA	0.00079 J
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Vinyl chloride	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Xylene (total)	mg/L	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	0.002 U	NA	0.002 U	NA	0.002 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/02/05	02/08/06	05/17/06	08/15/06	11/13/06	01/10/07	03/22/07	05/03/07	10/08/07	11/09/07	11/14/07	05/08/08
SVOCs													
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
2,4-Dimethylphenol	mg/L	0.0046 J	0.0012 J	0.0017 J	NA	0.0023 J	NA	NA	0.00057 J	NA	0.007	NA	0.0014 J
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2-Methylnaphthalene	mg/L	0.0017 J	0.005 U	0.00068 J	NA	0.02 U	NA	NA	0.00024 J	NA	0.0023 J	NA	0.00085 J
2-Methylphenol	mg/L	0.00043 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
4-Methylphenol	mg/L	0.005	0.0011 J	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.0066	NA	0.0013 J
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
Acenaphthene	mg/L	0.0012 J	0.005 U	0.00066 J	NA	0.02 U	NA	NA	0.00029 J	NA	0.0012 J	NA	0.00076 J
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
Anthracene	mg/L	0.0004 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.00035 J	NA	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.0013 J	NA	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(a)pyrene	mg/L	0.00036 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Biphenyl	mg/L	0.00047 J	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.002 J	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U
Carbazole	mg/L	0.0016 J	0.01 U	0.01 U	NA	0.04 U	NA	NA	0.01 U	NA	0.0021 J	NA	0.00062 J
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	0.00044 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Dibenzofuran	mg/L	0.00097 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.0013 J	NA	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Di-n-butylphthalate	mg/L	0.00033 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Fluoranthene	mg/L	0.00053 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.00025 J	NA	0.005 U
Fluorene	mg/L	0.00055 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.00052 J	NA	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 UJ	NA	0.02 U	NA	NA	0.005 U	NA	0.005 UJ	NA	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/02/05	02/08/06	05/17/06	08/15/06	11/13/06	01/10/07	03/22/07	05/03/07	10/08/07	11/09/07	11/14/07	05/08/08
SVOCs													
Indeno(1,2,3-cd)pyrene	mg/L	0.00041 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Methylphenol (Cresol)	mg/L	0.00543 J	0.0011 J	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.0066	NA	0.0013 J
Naphthalene	mg/L	0.0057	0.001 J	0.0023 J	NA	0.02 U	NA	NA	0.00069 J	NA	0.0071	NA	0.0027 J
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Pentachlorophenol	mg/L	0.0031 J	0.0018 J	0.0014 J	NA	0.02 U	NA	NA	0.005 U	NA	0.0017 J	NA	0.005 U
Phenanthrene	mg/L	0.0009 J	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.0018 J	NA	0.00035 J
Phenol	mg/L	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Pyrene	mg/L	0.00058 J	0.005 U	0.00044 J	NA	0.02 U	NA	NA	0.00031 J	NA	0.00055 J	NA	0.005 U
CDD/F													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.000000013 U	NA	0.000000012 U	00041 U [0.00000	0.0000000058 U	NA	NA	0.000000013 U	NA	0.000000015 U	NA	0.000000012 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000037 U	NA	0.000000049 U	00081 U [0.00000	0.000000021 U	NA	NA	0.000000036 U	NA	0.000000011 U	NA	0.000000013 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000048 U	NA	0.00000002 U	00029 U [0.00000	0.0000000015 U	NA	NA	0.0000000052 U	NA	0.0000000063 U	NA	0.0000000098 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000084 U	NA	0.00000002 U	00003 U [0.00000	0.000000003 U	NA	NA	0.0000000086 U	NA	0.0000000091 U	NA	0.0000000081 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000061 U	NA	0.0000000057 U	00035 U [0.00000	0.0000000018 U	NA	NA	0.000000006 U	NA	0.0000000061 U	NA	0.000000012 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000006 U	NA	0.0000000073 U	00056 U [0.00000	0.0000000017 U	NA	NA	0.000000004 U	NA	0.0000000062 U	NA	0.0000000044 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000091 U	NA	0.0000000085 U	00004 U [0.00000	0.0000000019 U	NA	NA	0.0000000062 U	NA	0.000000011 U	NA	0.0000000054 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000053 U	NA	0.0000000067 U	00053 U [0.00000	0.0000000016 U	NA	NA	0.0000000038 U	NA	0.000000006 U	NA	0.0000000042 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000007 U	NA	0.0000000078 U	00037 U [0.00000	0.0000000018 U	NA	NA	0.0000000061 U	NA	0.000000012 U	NA	0.0000000051 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000082 U	NA	0.0000000076 U	00063 U [0.00000	0.000000002 U	NA	NA	0.0000000044 U	NA	0.0000000064 U	NA	0.0000000046 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000008 U	NA	0.0000000076 U	00036 U [0.00000	0.0000000017 U	NA	NA	0.0000000058 U	NA	0.000000009 U	NA	0.0000000049 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000056 U	NA	0.0000000095 U	00004 U [0.00000	0.0000000019 U	NA	NA	0.0000000065 U	NA	0.0000000062 U	NA	0.0000000064 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000083 U	NA	0.000000015 U	00048 U [0.00000	0.0000000031 U	NA	NA	0.0000000092 U	NA	0.00000001 U	NA	0.0000000098 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000067 U	NA	0.0000000074 U	00058 U [0.00000	0.0000000018 U	NA	NA	0.0000000043 U	NA	0.0000000064 U	NA	0.0000000043 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000057 U	NA	0.0000000092 U	00068 U [0.00000	0.0000000019 U	NA	NA	0.0000000066 U	NA	0.0000000064 U	NA	0.000000013 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000083 J	NA	0.00000001 J	0000033 [0.00000	0.0000000017 U	NA	NA	0.000000015	NA	0.0000000004 U	NA	0.000000062
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000046 U	NA	0.000000009 UJ	00021 U [0.00000	0.0000000012 U	NA	NA	0.0000000065 U	NA	0.0000000069 U	NA	0.0000000048 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000061 U	NA	0.00000002 U	00035 U [0.00000	0.0000000018 U	NA	NA	0.000000006 U	NA	0.0000000063 U	NA	0.000000011 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000084 U	NA	0.00000002 U	00003 U [0.00000	0.000000003 U	NA	NA	0.0000000086 U	NA	0.0000000091 U	NA	0.0000000081 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000082 U	NA	0.0000000077 U	00063 U [0.00000	0.000000002 U	NA	NA	0.0000000044 U	NA	0.0000000064 U	NA	0.0000000046 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000091 U	NA	0.0000000085 U	00004 U [0.00000	0.0000000019 U	NA	NA	0.0000000062 U	NA	0.000000012 U	NA	0.0000000054 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000067 U	NA	0.0000000095 U	00021 U [0.00000	0.0000000019 U	NA	NA	0.000000011 U	NA	0.0000000064 U	NA	0.000000056 J
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000083 U	NA	0.000000015 U	00048 U [0.00000	0.000000005 U	NA	NA	0.0000000092 U	NA	0.00000001 U	NA	0.0000000098 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000059 J	NA	0.000000086	0000033 [0.00000	0.0000000018 U	NA	NA	0.00000014 J	NA	0.000000004 U	NA	0.00000077 J
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000046 U	NA	0.0000000009 U	00021 U [0.00000	0.0000000013 U	NA	NA	0.0000000065 U	NA	0.0000000069 U	NA	0.0000000048 U
2,3,7,8-TCDD Equivalent	mg/L	0.00000000941	NA	0.0000000147	0000912 [0.00000	0.0000000053 U	NA	NA	0.0000000107	NA	0.0000000218 U	NA	0.0000000163
CDD/F-Filtered													
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000075 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	0.00000006 J	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	0.000000006 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	0.000000027 J	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000037 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000058 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000041 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000055 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000038 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000065 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000037 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000042 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000059 U	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	0.000000006 U	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000042 U	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/02/05	02/08/06	05/17/06	08/15/06	11/13/06	01/10/07	03/22/07	05/03/07	10/08/07	11/09/07	11/14/07	05/08/08
CDD/F-Filtered													
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000046 U	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000024 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	0.000000006 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	0.000000027 J	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000065 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	0.000000021 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000048 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000059 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	0.0000000046 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	0.0000000024 U	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs													
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	NA	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U	NA	0.0004 U	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.00036	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.00038	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	NA	0.00044	NA	0.00068	NA	NA	0.0004	NA	0.0002 U	NA	0.00013 J
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.00013 J
Total PCBs-Realm/Encore	mg/L	0.00086	NA	0.00094	NA	0.00118	NA	NA	0.0009	NA	0.00088	NA	0.00066
Total PCBs	mg/L	0.00036	NA	0.00044	NA	0.00068	NA	NA	0.0004	NA	0.00038	NA	0.00026 J
Pests/PCBs-Filtered													
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics													
Antimony	mg/L	0.0062 J	0.0063 J	0.0073 J	NA	0.0068 J	NA	NA	0.025 U	NA	0.0069 J	NA	0.025 U
Arsenic	mg/L	0.007 J	0.0063 J	0.0072	NA	0.0049	NA	NA	0.0056	NA	0.0088	NA	0.0039
Barium	mg/L	0.0396	0.0265	0.0218	NA	0.0355	NA	NA	0.0271	NA	0.0342	NA	0.0277
Beryllium	mg/L	0.001 U	0.0025 U	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Chromium (Total)	mg/L	0.01 U	0.0378	0.018	NA	0.01 U	NA	NA	0.0266	NA	0.0647	NA	0.0048 J
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U
Copper	mg/L	0.006	0.0219 U	0.0099	NA	0.0149	NA	NA	0.0154	NA	0.0098	NA	0.005 U
Cyanide (total)	mg/L	0.0031 J	NA	0.015	NA	0.034	NA	NA	0.0085 J	NA	0.0079 J	NA	0.013
Lead	mg/L	0.003 U	0.003 U	0.003 U	NA	0.003 U	NA	NA	0.003 U	NA	0.003 U	NA	0.003 U
Manganese	mg/L	0.0061 J	0.01 U	0.01 U	NA	0.01 U	NA	NA	0.0049 J	NA	0.01 U	NA	0.01 U
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.00029 U
Nickel	mg/L	0.0026 J	0.02 U	0.02 U	NA	0.02 U	NA	NA	0.0017 J	NA	0.0351	NA	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.000031 J	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U
Vanadium	mg/L	0.0295	0.0544	0.0399	NA	0.0575	NA	NA	0.0541	NA	0.0253	NA	0.0227
Zinc	mg/L	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	NA	0.02 U	NA	0.02 U	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	11/02/05	02/08/06	05/17/06	08/15/06	11/13/06	01/10/07	03/22/07	05/03/07	10/08/07	11/09/07	11/14/07	05/08/08
Inorganics-Filtered													
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous													
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.6 J	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	11.5 J	11.5 J [11.5 J]	NA	10.9 J	NA	NA	NA
Field Parameters													
Conductivity Field	mS/cm	NA	NA	NA	NA	1.261	NA	0.899	NA	NA	NA	1.463	NA
Conductivity Field	umhos/cm	NA	1.183	1.06	1.404	NA	0.923	NA	994	1.478	1.52	NA	1.134
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	2.14	2.33	0.15	0.65	2.58	3.18	1.4	0.03	0.31	0.16	0.14
ORP, Field	millivolts	NA	-120	147	-108	124	-37	-173	193	-219	-209	28	-276
pH Field	pH Units	11.26	NA	10.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	12.01	10.7	11.61	8.03	11.44	13.17	10.74	10.87	11.38	11.79	12.35
Temperature	Deg C	NA	7.05	10.39	17.97	14.09	8.57	10.19	9.87	19.58	15.45	15.79	10.62
Temperature, Ambient	Deg F	NA	30	60	65	40	30	55	NA	85	45	50	55
Turbidity (Field)	NTU	NA	3.63	3.17	1.37	3.75	10.4	4.96	4.21	3.11	2	3.4	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	08/26/08	11/05/08	12/15/09	09/25/11	10/03/12	11/13/02	05/21/03	12/10/03	05/06/04	05/25/04
VOCs											
1,1,1-Trichloroethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,1,2,2-Tetrachloroethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,1,2-Trichloroethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,1-Dichloroethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,1-Dichloroethene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,2,4-Trichlorobenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	0.002 U	NA	NA	NA	NA	0.002 U	0.002 U	0.002 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,2-Dichlorobenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,2-Dichloroethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,2-Dichloropropane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,3-Dichlorobenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
1,4-Dichlorobenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	0.0015 J	NA	NA	NA	NA	0.01 U	0.01 UJ	0.01 UJ	NA
2-Hexanone	mg/L	NA	0.01 UJ	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	NA	0.00034 J	NA	NA	NA	NA	0.01 U	0.01 U	R	NA
Acetone	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.0039 J	NA
Benzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Bromodichloromethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Bromoform	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Carbon disulfide	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Carbon tetrachloride	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Chlorobenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Chloroethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Chloromethane (Methyl Chloride)	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U	NA
cis-1,3-Dichloropropene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Cyclohexane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Dibromochloromethane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Dichlorodifluoromethane (CFC-12)	mg/L	NA	0.002 UJ	NA	NA	NA	NA	0.002 U	0.002 U	0.002 U	NA
Ethylbenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Isopropylbenzene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Methyl acetate	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
Methyl cyclohexane	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Methyl Tert Butyl Ether	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Methylene chloride	mg/L	NA	0.001 UJ	NA	NA	NA	NA	0.001 U	0.001 UJ	0.001 UJ	NA
Styrene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	R	0.001 U	NA
Tetrachloroethene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Toluene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Total 1,3 Dichloropropenes	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.01 U	NA
trans-1,2-Dichloroethene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U	NA
trans-1,3-Dichloropropene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.01 U	NA
Trichloroethene	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	NA	0.00092 J	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Trifluorotrichloroethane (Freon 113)	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Vinyl chloride	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA
Xylene (total)	mg/L	NA	0.002 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	08/26/08	11/05/08	12/15/09	09/25/11	10/03/12	11/13/02	05/21/03	12/10/03	05/06/04	05/25/04
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2,4,5-Trichlorophenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2,4-Dichlorophenol	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
2,4-Dimethylphenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2,4-Dinitrophenol	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA
2,4-Dinitrotoluene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2,6-Dinitrotoluene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2-Chloronaphthalene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2-Chlorophenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2-Methylnaphthalene	mg/L	NA	0.0019 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2-Methylphenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
2-Nitroaniline	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA
2-Nitrophenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
3,3'-Dichlorobenzidine	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA
3-Nitroaniline	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA
4,6-Dinitro-2-methylphenol	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA
4-Bromophenyl phenyl ether	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
4-Chloro-3-methylphenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
4-Chloroaniline	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
4-Chlorophenyl phenyl ether	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
4-Methylphenol	mg/L	NA	0.0034 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
4-Nitroaniline	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA
4-Nitrophenol	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA
Acenaphthene	mg/L	NA	0.0014 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Acenaphthylene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Acetophenone	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
Anthracene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Atrazine	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Benzaldehyde	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
Benzo(a)anthracene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Benzo(a)pyrene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Benzo(b)fluoranthene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Benzo(g,h,i)perylene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Benzo(k)fluoranthene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Biphenyl	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
bis(2-Chloroethoxy)methane	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
bis(2-Chloroethyl)ether	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
bis(2-Ethylhexyl)phthalate	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.0021 J	0.006 U	NA
Butyl benzylphthalate	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Caprolactam	mg/L	NA	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
Carbazole	mg/L	NA	0.002 J	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA
Chrysene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Dibenzofuran	mg/L	NA	0.00075 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Diethyl phthalate	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Dimethyl phthalate	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Di-n-butylphthalate	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Di-n-octyl phthalate	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Fluoranthene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Fluorene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Hexachlorobenzene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Hexachlorobutadiene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	R	R	NA
Hexachloroethane	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	08/26/08	11/05/08	12/15/09	09/25/11	10/03/12	11/13/02	05/21/03	12/10/03	05/06/04	05/25/04
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Isophorone	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Methylphenol (Cresol)	mg/L	NA	0.0034 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Naphthalene	mg/L	NA	0.0041 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Nitrobenzene	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
N-Nitrosodi-n-propylamine	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
N-Nitrosodiphenylamine	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Pentachlorophenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Phenanthrene	mg/L	NA	0.0016 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Phenol	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
Pyrene	mg/L	NA	0.00058 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000043 U	0.000000001 U	NA	NA	NA	NA	0.0000000074 U	0.0000000088 U	0.0000000082 U	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000006 U	0.0000000042 U	NA	NA	NA	NA	0.00000001 U	0.00000001 U	0.000000013 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000022 U	0.00000000056 U	NA	NA	NA	NA	0.0000000046 U	0.0000000029 U	0.0000000051 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000017 U	0.00000000069 U	NA	NA	NA	NA	0.0000000048 U	0.0000000051 U	0.0000000057 U	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000026 U	0.00000000029 U	NA	NA	NA	NA	0.0000000019 U	0.0000000034 U	0.0000000058 U	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000011 U	0.00000000027 U	NA	NA	NA	NA	0.0000000023 U	0.0000000045 U	0.000000016 U	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000022 U	0.00000000049 U	NA	NA	NA	NA	0.000000003 U	0.0000000052 U	0.000000015 U	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000071 U	0.00000000043 U	NA	NA	NA	NA	0.0000000015 U	0.0000000041 U	0.000000016 U	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000017 U	0.00000000035 U	NA	NA	NA	NA	0.000000003 U	0.0000000049 U	0.000000015 U	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000097 U	0.00000000047 U	NA	NA	NA	NA	0.0000000018 U	0.0000000048 U	0.000000022 U	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000017 U	0.00000000036 U	NA	NA	NA	NA	0.0000000028 U	0.0000000048 U	0.000000015 U	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000015 U	0.00000000057 U	NA	NA	NA	NA	0.000000002 U	0.0000000036 U	0.0000000078 U	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000026 U	0.0000000009 U	NA	NA	NA	NA	0.0000000033 U	0.0000000058 U	0.0000000088 U	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000082 U	0.00000000071 U	NA	NA	NA	NA	0.0000000017 U	0.0000000044 U	0.000000019 U	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000067 U	0.0000000016 U	NA	NA	NA	NA	0.000000002 U	0.0000000035 U	0.0000000078 U	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000045	0.000000011	NA	NA	NA	NA	0.0000000017 U	0.0000000027 U	0.0000000043 U	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000016 U	0.00000000047 U	NA	NA	NA	NA	0.0000000017 U	0.0000000038 U	0.0000000055 U	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000026 U	0.00000000056 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000017 U	0.00000000075 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000018 U	0.00000000071 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000022 U	0.0000000005 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.000000018 U	0.0000000035 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000026 U	0.0000000009 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.00000035	0.000000078	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000016 U	0.00000000047 U	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.00000000816	0.00000000214	NA	NA	NA	NA	0.00000000636 U	0.0000000123 U	0.0000000266 U	NA
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	08/26/08	11/05/08	12/15/09	09/25/11	10/03/12	11/13/02	05/21/03	12/10/03	05/06/04	05/25/04
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	0.0004 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	0.00055 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	0.0002 U	0.00019 J [0.00033]	0.0003	0.00043	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA
Total PCBs-Realm/Encore	mg/L	NA	0.00195 U	0.00059 [0.00073]	NA	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA
Total PCBs	mg/L	NA	0.00055 U	0.00019 J [0.00033]	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	NA	0.025 U	0.006 J [0.0072 J]	0.0046	NA	NA	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	NA	0.0052	NA	NA	NA	NA	0.0046 J	0.003 J	0.0049 J	0.01 U
Barium	mg/L	NA	0.0394 U	NA	NA	NA	NA	0.082	0.0664	0.0811	0.0302
Beryllium	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.0004 J	0.005 U	0.005 U
Chromium (Total)	mg/L	NA	0.0099 J	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	NA	0.0096	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	0.025	NA	NA	NA	NA	0.004 J	0.01 U	0.01 U	NA
Lead	mg/L	NA	0.003 U	NA	NA	NA	NA	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	NA	0.01 U	NA	NA	NA	NA	0.418	0.291	0.502 U	0.0305 U
Mercury	mg/L	NA	0.0002 U	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	NA	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	0.001 U	NA	NA	NA	NA	0.001 U	0.000026 J	0.001 U	0.001 U
Vanadium	mg/L	NA	0.039	0.0616 [0.0609]	0.0025	NA	NA	0.00084 J	0.01 U	0.00092 J	0.01 U
Zinc	mg/L	NA	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	08/26/08	11/05/08	12/15/09	09/25/11	10/03/12	11/13/02	05/21/03	12/10/03	05/06/04	05/25/04
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	0.0042	NA	NA	NA	NA	0.025 U
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0294
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.031 U
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	0.014	NA	NA	NA	NA	0.01 U
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	1.097	0.893	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.322	1.272	1.027 [1.027]	NA	0.765	NA	NA	1.284	NA	0.71
Dissolved Oxygen	%	NA	NA	NA	NA	3.5	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.3	0.51	2.89 [2.89]	0.2	0.34	NA	NA	NA	NA	NA
ORP, Field	millivolts	152	NA	-121 [-121]	-176.4	-215.1	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	10.96	12.26	11.44 [11.44]	11.77	11.27	NA	NA	7.01	NA	7.2
Temperature	Deg C	17.65	16.95	10.51 [10.51]	18.61	17.51	NA	NA	10	NA	11.6
Temperature, Ambient	Deg F	80	60	25 [25]	70	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	1.01	1.05	4.27 [4.27]	0.99	2.63	NA	NA	17.4	NA	4.9

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.01 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 UJ	0.002 U	0.002 U	NA	0.02 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.00064 J	NA	0.1 U
2-Hexanone	mg/L	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.1 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.1 UJ
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.1 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.00043 J	0.001 U	NA	0.01 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U	NA	0.02 UJ
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	NA	0.1 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.05 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 UJ
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 UJ	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.01 U	0.005 U	0.005 U	NA	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.0029 J	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.00088 J	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000016 U	0.0000000016 U	0.000000013 U	0.000000013 U	0.000000007 U [0.000000014 U]	0.000000022 U	0.0000000098 U	0.000000016 U	NA	0.0000000012 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000033 U	0.0000000086 U	0.000000011 U	0.000000025 U	0.00000017 J [0.00000061 J]	0.00000002 U	0.000000017 U	0.00000002 U	NA	0.0000000021 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000071 U	0.00000000081 U	0.0000000036 U	0.00000001 U	0.0000000024 U [0.0000000057 U]	0.0000000072 U	0.0000000041 U	0.0000000089 U	NA	0.00000000041 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000086 U	0.0000000011 U	0.0000000087 U	0.000000018 U	0.00000001 U [0.00000011]	0.000000012 U	0.0000000064 U	0.000000011 U	NA	0.0000000007 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000051 U	0.0000000011 U	0.0000000045 U	0.0000000069 U	0.0000000019 U [0.000000002 U]	0.0000000083 U	0.0000000048 U	0.000000011 U	NA	0.00000000052 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000083 U	0.0000000018 U	0.0000000051 U	0.0000000076 U	0.000000003 U [0.0000000028 U]	0.0000000059 U	0.0000000033 U	0.0000000078 U	NA	0.00000000035 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000012 U	0.0000000017 U	0.0000000076 U	0.0000000088 U	0.0000000038 U [0.0000000034 U]	0.00000001 U	0.0000000049 U	0.00000001 U	NA	0.00000000066 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000051 U	0.0000000017 U	0.0000000045 U	0.000000007 U	0.0000000028 U [0.0000000026 U]	0.0000000055 U	0.0000000033 U	0.0000000074 U	NA	0.00000000029 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000094 U	0.0000000015 U	0.0000000059 U	0.000000008 U	0.0000000037 U [0.0000000033 U]	0.0000000098 U	0.0000000052 U	0.0000000099 U	NA	0.00000000051 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000065 U	0.0000000021 U	0.0000000069 U	0.0000000079 U	0.0000000035 U [0.0000000032 U]	0.0000000065 U	0.0000000035 U	0.0000000083 U	NA	0.00000000038 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000098 U	0.0000000015 U	0.0000000067 U	0.0000000078 U	0.0000000035 U [0.0000000032 U]	0.0000000093 U	0.000000004 U	0.0000000096 U	NA	0.00000000053 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.00000000092 U	0.0000000012 U	0.0000000049 U	0.000000012 UJ	0.0000000023 U [0.0000000023 U]	0.0000000081 U	0.000000004 U	0.0000000079 U	NA	0.00000000051 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000015 U	0.0000000018 U	0.0000000077 U	0.0000000016 U	0.0000000047 U [0.0000000042 U]	0.0000000012 U	0.0000000071 U	0.0000000015 U	NA	0.00000000089 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000058 U	0.0000000019 U	0.0000000056 U	0.0000000077 U	0.0000000031 U [0.0000000029 U]	0.0000000064 U	0.0000000035 U	0.0000000076 U	NA	0.00000000032 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.00000000089 U	0.0000000011 U	0.000000005 U	0.000000012 U	0.0000000023 U [0.0000000023 U]	0.0000000081 U	0.0000000041 U	0.000000008 U	NA	0.00000000052 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000018 U	0.000000001 U	0.0000000025 U	0.000000003 UJ	0.0000000022 U [0.0000000019 U]	0.0000000044 U	0.0000000028 U	0.0000000045 U	NA	0.0000000004 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000068 U	0.0000000009 U	0.0000000038 U	0.0000000034 UJ	0.0000000025 U [0.000000002 U]	0.0000000067 U	0.0000000038 U	0.0000000084 U	NA	0.00000000058 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000071 U	0.0000000011 U	0.0000000045 U	0.00000001 U	0.0000000037 U [0.000000012 U]	0.0000000083 U	0.0000000048 U	0.0000000096 U	NA	0.00000000052 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000086 U	0.0000000016 U	0.0000000087 U	0.000000018 U	0.00000001 U [0.00000026]	0.000000012 U	0.0000000064 U	0.000000011 U	NA	0.00000000081 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000083 U	0.0000000021 U	0.0000000069 U	0.0000000079 U	0.0000000035 U [0.0000000032 U]	0.0000000065 U	0.0000000035 U	0.0000000078 U	NA	0.00000000038 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000012 U	0.0000000017 U	0.0000000076 U	0.0000000088 U	0.0000000038 U [0.000000011 U]	0.00000001 U	0.0000000081 U	0.00000001 U	NA	0.00000000084 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000015 U	0.0000000014 U	0.000000005 U	0.000000012 U	0.0000000038 U [0.0000000023 U]	0.0000000081 U	0.0000000047 U	0.000000008 U	NA	0.00000000059 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000015 U	0.0000000018 U	0.0000000077 U	0.000000018 U	0.000000024 U [0.000000016 U]	0.000000012 U	0.0000000091 U	0.000000015 U	NA	0.00000000089 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000018 U	0.000000001 U	0.0000000025 U	0.000000003 U	0.0000000022 U [0.0000000019 U]	0.0000000044 U	0.0000000028 U	0.0000000045 U	NA	0.00000000042 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000099 U	0.0000000009 U	0.0000000038 U	0.0000000034 U	0.0000000025 U [0.000000002 U]	0.0000000067 U	0.0000000038 U	0.0000000084 U	NA	0.00000000058 U
2,3,7,8-TCDD Equivalent	mg/L	0.0000000027 U	0.00000000377 U	0.0000000151 U	0.0000000242 U	0.00000000458 [0.0000000056]	0.0000000233 U	0.0000000128 U	0.0000000272 U	NA	0.00000000167 U
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.000055 J	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U [0.0016 U]	0.0016 U	0.0016 U	0.000555	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.000055 J	0.0004 U	0.0004 U
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U	0.025 U	NA	0.025 U
Arsenic	mg/L	0.0046 J	0.0073 J	0.01 U	0.0014 J	0.0021 [0.0023]	0.0017 J	0.0027	0.0071	NA	0.0024
Barium	mg/L	0.0994	0.054	0.0705	0.0281	0.0317 [0.0298]	0.035	0.0556	0.0313	NA	0.0492 U
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.0031 J	0.005 U	NA	0.005 U
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Cyanide (total)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U [0.003 U]	0.003 U	0.003 U	0.003 U	NA	0.003 U
Manganese	mg/L	0.531	0.324	0.372	0.11	0.101 [0.0966]	0.117	0.321	0.173	NA	0.236
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.001 U
Vanadium	mg/L	0.0014 J	0.0017 J	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.00089 J	0.0011 J	NA	0.00078 J
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.0103 J	NA	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	0.715	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	0.462	NA	660	1.66	0.856	1.61	1.359
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	0.5	0.31	4.78	0.16	0.29	4.1	0.8
ORP, Field	millivolts	NA	NA	NA	47	-15	19	-162	-142	-144	-135
pH Field	pH Units	7.01	6.99	6.98	6.8	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	6.8	6.99	7.3	6.71	7.05	6.82	7.02
Temperature	Deg C	NA	NA	NA	12.71	11.97	9.71	13.55	11.1	15.23	15.55
Temperature, Ambient	Deg F	NA	NA	NA	50	45	NA	35	55	70	60
Turbidity (Field)	NTU	NA	NA	NA	1.98	3.68	2.5	2.7	NA	0.92	1.09

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	09/14/01	01/09/02	11/13/06	08/25/03	12/17/03	05/24/04	11/01/04	11/04/05	05/19/06	11/14/06	05/03/07	11/08/07	05/08/08
VOCs														
1,1,1-Trichloroethane	mg/L	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.0005 U	0.001 U	NA	0.001 UJ	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.0006 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.03	0.02	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
1,1-Dichloroethene	mg/L	0.00078 J	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.0012 U	0.002 U	NA	0.002 U	0.002 U	NA	NA	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.00044 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.00022 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.00042 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.00082 U	0.01 U	NA	0.01 UJ	0.01 U	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.00071 J
2-Hexanone	mg/L	0.00092 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.00046 U	0.0005 J	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.001 U	0.01 U	NA	0.01 U	0.0009 J	NA	NA	0.01 UJ	0.01 U	0.01 U	0.002 J	0.01 U	0.0044 J
Benzene	mg/L	0.00032 U	0.00035 J	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Bromoform	mg/L	0.00036 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.0004 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.0004 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.00028 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.05	0.036	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.0018 J	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Chloromethane (Methyl Chloride)	mg/L	0.00026 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.00044 U	0.00032 J	NA	0.0005 U	0.0005 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Cyclohexane	mg/L	0.00026 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Dibromochloromethane	mg/L	0.00052 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Dichlorodifluoromethane (CFC-12)	mg/L	0.00052 U	0.002 U	NA	0.002 UJ	0.002 UJ	NA	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.00082 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.00026 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.00077 J	0.001 U	NA	0.001 UJ	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.00046 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.00058 J	0.00026 J	NA	0.001 U	0.0012	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.00054 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0003 U	0.0005 U	NA	0.0005 U	0.0005 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.00054 U	0.001 U	NA	R	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.00028 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.00056 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.00064 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.0003 U	0.00027 J	NA	0.001 UJ	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.00066 U	0.00043 J	NA	0.001 U	0.001 U	NA	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	09/14/01	01/09/02	11/13/06	08/25/03	12/17/03	05/24/04	11/01/04	11/04/05	05/19/06	11/14/06	05/03/07	11/08/07	05/08/08
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.00078 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.0012 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.0017 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.00085 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.003 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.00079 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.00057 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.001 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.00064 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.0007 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.0021 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.00093 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.00071 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.0013 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.00088 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.00099 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.00061 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.00079 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.0013 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.0013 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.0019 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.0008 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.00071 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.0026 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.00068 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.0025 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.0028 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.0007 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.00073 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.00094 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.00084 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.0026 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.00087 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.00097 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.0027 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.00088 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.0025 U	0.025 U	NA	0.01 U	0.0014 J	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.00082 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.00075 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.00079 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.00065 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.00076 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.00067 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.00081 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.001 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.00074 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.00073 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.0011 U	0.012 U	NA	0.005 U	R	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
Hexachloroethane	mg/L	0.00074 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

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RACER Trust
Pontiac North Campus

Sample ID:		MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	09/14/01	01/09/02	11/13/06	08/25/03	12/17/03	05/24/04	11/01/04	11/04/05	05/19/06	11/14/06	05/03/07	11/08/07	05/08/08
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	0.00063 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.00063 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.0013 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.00075 U	0.0025 J	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.00081 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.00067 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.0014 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.0024 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.00082 U	0.0023 J	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.0026 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CDD/F-Filtered														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	09/14/01	01/09/02	11/13/06	08/25/03	12/17/03	05/24/04	11/01/04	11/04/05	05/19/06	11/14/06	05/03/07	11/08/07	05/08/08
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	0.000054 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.00011 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.000056 U	0.0004 U	0.0004 U	0.0004 U	0.0004 UJ	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.000075 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.000061 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.000082 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.000044 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.000482 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.00011 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered														
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	0.000054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	0.00011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	0.000056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	0.000075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	0.000061 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	0.000082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	0.000044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	0.000482 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	0.00011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics														
Antimony	mg/L	0.0022 U	0.025 U	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0039 U	0.0585	NA	0.0037 J	0.01 U	0.0041 J	0.01 U	0.0228	0.0053	0.0051	0.003	0.0095	0.0062
Barium	mg/L	0.156	0.163	NA	0.42	0.319	0.246	0.01 U	0.316	0.0811	0.174	0.0865	0.215	0.192
Beryllium	mg/L	0.00054 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.00028 U	0.00047 J	NA	0.005 U	0.005 U	0.00031 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0014 U	0.01 U	NA	0.0568	0.0155	0.0067 J	0.01 U	0.0368	0.0064 J	0.01 U	0.0062 J	0.0074 J	0.01 U
Cobalt	mg/L	0.0017 J	0.0041 J	NA	0.0027 J	0.0013 J	0.02 U	0.02 U	0.0033 J	0.0013 J	0.0093 J	0.02 U	0.02 U	0.0072 J
Copper	mg/L	0.0042 U	0.005 U	NA	0.005 U	0.0146 U	0.0026 J	0.005 U	0.0188	0.0068	0.005 U	0.0019 J	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.0025 U	0.003 U	NA	0.0391	0.064	0.004	0.003 U	0.0784	0.008	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.322	0.766	NA	0.187	0.167	0.147	0.01 U	0.336	0.18	0.0716	0.0207	0.143	0.0747
Mercury	mg/L	0.000069 U	0.0003	NA	0.0002 U	0.0002 U	0.0002 U	0.000039 J	0.00011 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.013 J	0.0124 J	NA	0.0385	0.0112 J	0.005 J	0.02 U	0.0287	0.0051 J	0.0027 J	0.0052 J	0.0045 J	0.02 U
Selenium	mg/L	0.0045 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0015 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.005 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.0018 J	0.00083 J	NA	0.0019 J	0.0023 J	0.01 U	0.01 U	0.0128	0.0023 J	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.012 U	0.02 U	NA	0.0544	0.0396	0.02 U	0.02 U	0.0433	0.0222	0.02 U	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	09/14/01	01/09/02	11/13/06	08/25/03	12/17/03	05/24/04	11/01/04	11/04/05	05/19/06	11/14/06	05/03/07	11/08/07	05/08/08
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	0.0022 U	0.025 U	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.0039 U	0.0473	NA	NA	NA	0.0031 J	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.178	0.161	NA	NA	NA	0.232	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.00054 U	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.00028 U	0.00039 J	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.0014 U	0.01 U	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.003 J	0.0041 J	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.0042 U	0.005 U	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.0025 U	0.003 U	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.375	0.815	NA	NA	NA	0.156	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.000069 U	0.00022	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.0143 J	0.0113 J	NA	NA	NA	0.0039 J	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.0045 U	0.005 U	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.0015 U	0.005 U	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.0053 J	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.001 J	0.01 U	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.012 U	0.02 U	NA	NA	NA	0.0154 J	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters														
Conductivity Field	mS/cm	NA	NA	2.05	NA	NA	NA	NA	NA	NA	2.18	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	NA	3.28	2.74	NA	NA	0.998	NA	1,428	2.35	1.78
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	0.24	NA	NA	NA	NA	NA	0.13	0.57	0.39	0.3	0.19
ORP, Field	millivolts	NA	NA	76	NA	NA	NA	NA	NA	-19	-39	-85	-130	-116
pH Field	pH Units	NA	NA	NA	NA	NA	NA	7.27	7.01	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	6.45	NA	7.4	7.32	NA	NA	6.95	6.97	7.15	7.03	6.89
Temperature	Deg C	NA	NA	11.65	NA	13.3	14.6	NA	NA	14.28	13.36	16.9	16.35	17
Temperature, Ambient	Deg F	NA	NA	40	NA	NA	NA	NA	NA	50	45	NA	35	55
Turbidity (Field)	NTU	NA	NA	8.76	NA	2.78	13.7	NA	NA	12.5	1.88	4.13	4.6	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	02/11/02	11/14/02	05/19/03	12/17/03	05/04/04	10/29/04	05/12/05	11/03/05	05/18/06	11/14/06
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 UJ
2-Hexanone	mg/L	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 UJ	0.0012 J	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 U
Benzene	mg/L	0.00031 J	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.00021 J	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Methyl cyclohexane	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	R	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ
Styrene	mg/L	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.0011	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.0012	0.001 U	0.001 UJ	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	02/11/02	11/14/02	05/19/03	12/17/03	05/04/04	10/29/04	05/12/05	11/03/05	05/18/06	11/14/06
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.0088	0.005 U	0.005 U	0.005 U	0.005 U	0.0014 J	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	R	0.005 UJ	R	R	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

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Sample ID:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	02/11/02	11/14/02	05/19/03	12/17/03	05/04/04	10/29/04	05/12/05	11/03/05	05/18/06	11/14/06
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.000000004 J	0.00000005 U	0.0000000072 UJ	0.000000001 U	0.0000000062 U	0.0000000019 U	0.0000000025 U	0.000000013 U	0.000000016 U	0.0000000043 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000021 U	0.00000005 U	0.0000000069 UJ	0.0000000062 U	0.0000000021 U	0.0000000024 U	0.00000002 U	0.000000013 U	0.000000021 U	0.000000024 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000001 U	0.000000025 U	0.0000000046 UJ	0.00000000056 U	0.0000000015 U	0.00000000067 U	0.0000000026 U	0.0000000039 U	0.000000014 U	0.0000000015 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000016 UJ	0.000000025 U	0.0000000044 UJ	0.00000000045 U	0.0000000027 U	0.0000000006 U	0.0000000036 U	0.0000000081 U	0.000000021 U	0.000000004 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000013 U	0.000000025 U	0.0000000039 UJ	0.00000000036 U	0.0000000015 U	0.00000000079 U	0.0000000011 U	0.000000005 U	0.0000000064 U	0.0000000017 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000008 UJ	0.000000025 U	0.0000000053 UJ	0.00000000039 U	0.0000000016 U	0.0000000016 U	0.000000002 U	0.0000000046 U	0.0000000067 U	0.0000000027 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000016 J	0.000000025 U	0.0000000045 UJ	0.00000000058 U	0.0000000022 U	0.0000000025 U	0.0000000028 U	0.0000000075 U	0.0000000078 U	0.0000000032 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000008 U	0.000000025 U	0.0000000052 UJ	0.00000000039 U	0.0000000014 U	0.0000000013 U	0.0000000017 U	0.000000004 U	0.0000000062 U	0.0000000025 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000012 U	0.000000025 U	0.0000000047 UJ	0.00000000062 U	0.0000000018 U	0.0000000019 U	0.0000000019 U	0.0000000058 U	0.0000000072 U	0.0000000031 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000001 U	0.000000025 U	0.0000000059 UJ	0.00000000045 U	0.0000000017 U	0.0000000017 U	0.0000000022 U	0.0000000062 U	0.000000007 U	0.0000000031 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000012 U	0.000000025 U	0.0000000043 UJ	0.00000000055 U	0.000000002 U	0.000000002 U	0.0000000022 U	0.0000000066 U	0.000000007 U	0.000000003 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.000000001 U	0.00000001 U	0.0000000028 UJ	0.00000000056 U	0.0000000017 U	0.0000000012 U	0.0000000015 U	0.0000000045 U	0.0000000075 U	0.0000000022 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000012 UJ	0.00000001 U	0.000000004 UJ	0.00000000086 U	0.0000000034 U	0.0000000021 U	0.0000000027 U	0.0000000064 U	0.000000013 U	0.0000000041 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000008 UJ	0.000000025 U	0.0000000054 UJ	0.00000000042 U	0.0000000015 U	0.0000000015 U	0.000000002 U	0.0000000051 U	0.0000000068 U	0.0000000028 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.000000001 UJ	0.00000001 U	0.0000000028 UJ	0.00000000056 U	0.0000000017 U	0.0000000011 U	0.0000000015 U	0.0000000045 U	0.0000000073 U	0.0000000021 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000001 U	0.00000001 U	0.0000000019 UJ	0.00000000044 U	0.0000000013 U	0.000000002 U	0.0000000041 U	0.0000000029 U	0.0000000056 U	0.000000002 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000013 U	0.00000001 U	0.0000000026 UJ	0.00000000063 U	0.0000000014 U	0.00000000083 U	0.0000000017 U	0.0000000033 U	0.0000000062 U	0.0000000021 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000052	NA	NA	NA	NA	0.00000000079 U	0.0000000026 U	0.000000005 U	0.000000014 U	0.0000000017 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000027 J	NA	NA	NA	NA	0.0000000006 U	0.0000000036 U	0.0000000081 U	0.000000021 U	0.0000000043 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000081 J	NA	NA	NA	NA	0.0000000017 U	0.0000000022 U	0.0000000062 U	0.000000007 U	0.0000000031 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000102 J	NA	NA	NA	NA	0.0000000025 U	0.0000000028 U	0.0000000075 U	0.0000000078 U	0.0000000032 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000047 J	NA	NA	NA	NA	0.0000000017 U	0.0000000028 U	0.0000000045 U	0.0000000075 U	0.0000000022 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000013 J	NA	NA	NA	NA	0.0000000021 U	0.0000000027 U	0.0000000064 U	0.000000013 U	0.000000015 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.00000000069 J	NA	NA	NA	NA	0.000000002 U	0.0000000041 U	0.0000000029 U	0.0000000056 U	0.000000002 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000013 U	NA	NA	NA	NA	0.00000000083 U	0.0000000017 U	0.0000000033 U	0.0000000062 U	0.0000000021 U
2,3,7,8-TCDD Equivalent	mg/L	0.00000000175	0.0000000399 U	0.00000001 U	0.00000000177 U	0.00000000545 U	0.00000000396 U	0.00000000586 U	0.0000000134 U	0.0000000226 U	0.00000000765 U
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	02/11/02	11/14/02	05/19/03	12/17/03	05/04/04	10/29/04	05/12/05	11/03/05	05/18/06	11/14/06
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.002 U	0.0006 J
Barium	mg/L	0.0441	0.079	0.0577 J	0.0737	0.058	0.108	0.202	0.186	0.0376	0.0562
Beryllium	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.0012 J	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0056 J	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.0025 J	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.0043 J	0.005 U	0.005 UJ	0.0058 U	0.0027 J	0.005 U	0.0073	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.0397 J	0.0139	0.0099 J	0.0346 U	0.0204	0.103	4.12	0.173	0.0203	0.023
Mercury	mg/L	0.000075 J	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.0129 J	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.0049 J	0.0063	0.005 U	0.005 U	0.005 U	0.005 U	0.0044 J	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.000043 J	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.0038 J	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.0208	0.02 U	0.02 U	0.02 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW10-03 02/11/02	MWW10-03 11/14/02	MWW10-03 05/19/03	MWW10-03 12/17/03	MWW10-03 05/04/04	MWW10-03 10/29/04	MWW10-03 05/12/05	MWW10-03 11/03/05	MWW10-03 05/18/06	MWW10-03 11/14/06
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.0444	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.0053 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.0384 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.807
Conductivity Field	umhos/cm	NA	NA	NA	0.844	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.66
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	221
pH Field	pH Units	NA	NA	NA	NA	NA	7.43	6.65	7.11	6.83	NA
pH Field	s.u.	NA	NA	NA	7.11	NA	NA	NA	NA	NA	6.3
Temperature	Deg C	NA	NA	NA	8.54	NA	NA	NA	NA	NA	12.34
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	45
Turbidity (Field)	NTU	NA	NA	NA	0.54	NA	NA	NA	NA	NA	0.79

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11	MWW10-03 10/02/12	MWW10-03 (Duplicate) 10/02/12
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U [0.005 U]	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U [0.001 U]	0.002 U	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U [0.025 U]	0.025U	0.025U	0.025U
2-Hexanone	mg/L	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.05 [0.05 U]	0.05U	0.05U	0.05U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.05 [0.05 U]	0.05U	0.05U	0.05U
Acetone	mg/L	0.01 U	NA	0.01 U	0.01 U	0.032	0.01 U	0.025 J [0.025 J]	0.025U	0.025U	0.025U
Benzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U [0.005 U]	0.005U	0.005U	0.005U
Carbon tetrachloride	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	NA	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U [0.005 U]	0.005U	0.005U	0.005U
Methyl acetate	mg/L	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Styrene	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	NA	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11	MWW10-03 10/02/12	MWW10-03 (Duplicate) 10/02/12
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 UJ	NA	NA	NA	NA	NA
2-Chlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
2-Nitrophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	NA	0.02 UJ	0.02 U	NA	NA	NA	NA	NA
3-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Chloroaniline	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Methylphenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
4-Nitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
Acenaphthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Acetophenone	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Atrazine	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzaldehyde	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Biphenyl	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 UJ	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Caprolactam	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 UJ	NA	NA	NA	NA	NA
Carbazole	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Chrysene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Dibenzofuran	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Diethyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Fluorene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 UJ	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 UJ	NA	NA	NA	NA	NA
Hexachloroethane	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11	MWW10-03 10/02/12	MWW10-03 (Duplicate) 10/02/12
SVOCs											
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Isophorone	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Naphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Pentachlorophenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Phenanthrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Phenol	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Pyrene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.00000001 U	0.000000009 U	NA	0.000000011 U	0.0000000053 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.00000001 U	0.000000015 U	NA	0.000000014 U	0.000000006 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000037 U	0.0000000039 U	NA	0.0000000071 U	0.0000000032 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.000000006 U	0.0000000069 U	NA	0.0000000072 U	0.0000000058 U	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000042 U	0.0000000046 U	NA	0.0000000084 U	0.0000000037 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000036 U	0.0000000039 U	NA	0.0000000058 U	0.0000000048 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000064 U	0.0000000061 U	NA	0.0000000079 U	0.0000000055 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000034 U	0.0000000039 U	NA	0.0000000055 U	0.0000000042 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000063 U	0.0000000066 U	NA	0.0000000075 U	0.0000000049 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000004 U	0.0000000041 U	NA	0.0000000061 U	0.0000000048 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000006 U	0.000000005 U	NA	0.0000000072 U	0.0000000049 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000053 U	0.0000000057 U	NA	0.000000006 U	0.0000000054 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000087 U	0.00000001 U	NA	0.000000012 U	0.0000000064 U	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000039 U	0.0000000041 U	NA	0.0000000056 U	0.0000000046 U	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000054 U	0.0000000058 U	NA	0.000000006 U	0.0000000056 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000032 U	0.0000000034 U	NA	0.0000000039 U	0.0000000036 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.000000005 U	0.0000000049 U	NA	0.0000000056 U	0.0000000049 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000042 U	0.0000000046 U	NA	0.0000000084 U	0.0000000037 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000067 U	0.0000000069 U	NA	0.0000000072 U	0.0000000058 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000004 U	0.0000000041 U	NA	0.0000000061 U	0.0000000048 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000064 U	0.0000000066 U	NA	0.0000000079 U	0.0000000055 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000054 U	0.0000000058 U	NA	0.000000006 U	0.0000000056 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000087 U	0.00000001 U	NA	0.000000012 U	0.0000000064 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000032 U	0.0000000034 U	NA	0.0000000039 U	0.0000000036 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.000000005 U	0.0000000049 U	NA	0.0000000056 U	0.0000000049 U	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.0000000162 U	0.000000017 U	NA	0.0000000201 U	0.000000015 U	NA	NA	NA	NA	NA
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11	MWW10-03 10/02/12	MWW10-03 (Duplicate) 10/02/12
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.000095 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0014 U	NA	NA	NA	NA
Total PCBs	mg/L	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0002 U	NA	NA	NA	NA
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U	0.025 U	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA
Arsenic	mg/L	0.002 U	0.002 U	NA	0.0011 J	0.00068 J	NA	NA	NA	NA	NA
Barium	mg/L	0.033	0.0905	NA	0.161	0.144	NA	NA	NA	NA	NA
Beryllium	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA
Cadmium	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Chromium (Total)	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Cobalt	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
Copper	mg/L	0.005 U	0.005 U	NA	0.005 U	0.0106	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	NA	0.003 U	0.0019 J	NA	NA	NA	0.001U	0.001U
Manganese	mg/L	0.0031 J	0.0392	NA	0.0172	0.0382	0.0117	0.001 B [0.001 B]	0.001U	0.12B	0.097B
Mercury	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA
Nickel	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
Selenium	mg/L	0.0031 J	0.005 U	NA	0.0055	0.0051	NA	NA	NA	NA	NA
Silver	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA
Vanadium	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Zinc	mg/L	0.02 U	0.0054 J	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11	MWW10-03 10/02/12	MWW10-03 (Duplicate) 10/02/12
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	1.050	1.111	0.980	0.980
Conductivity Field	umhos/cm	580	0.814	NA	1.97	1.58	1.252	NA	NA	0.841	0.841
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	12.5	12.5
Dissolved Oxygen, Field	mg/L	4.97	1.02	NA	2.78	1.11	2.39	0.96	1.28	1.19	1.19
ORP, Field	millivolts	169	-9	NA	30	71	112	154.6	42.5	48.0	48.0
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	6.67	6.68	NA	7.31	6.93	7.07	6.94	6.92	6.88	6.88
Temperature	Deg C	8.76	13.47	NA	8.79	15.82	9.1	14.92	16.96	17.81	17.81
Temperature, Ambient	Deg F	NA	35	45	55	60	25	35	59	NA	NA
Turbidity (Field)	NTU	0.51	0.6	NA	NA	4.77	1.23	11.5	0.27	4.75	4.75

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
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Sample ID: / Date Collected:	Units	MW-40-99 12/03/13	MWF12-01 12/04/13	MWF1R 12/04/13	MWF7-01 12/04/13	MWM16-21 12/05/13	MWW10-03 12/05/13	MWW10-03 DUPLICATE 12/05/13	MWW1-04 12/04/13
Pesticides/PCBs									
Aroclor-1016 (PCB-1016)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	< 0.000095
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	< 0.000095
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	< 0.000095
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	< 0.000095
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	0.00052
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	< 0.000095
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	< 0.000098	< 0.00011	< 0.000095
Volatile Organics									
1,1,1-Trichloroethane	mg/L	< 0.0010	0.026	< 0.0010	0.0073	< 0.0010	< 0.0010	< 0.0010	NA
1,1,2,2-Tetrachloroethane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,1,2-Trichloroethane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,1-Dichloroethane	mg/L	< 0.0010	0.0041	< 0.0010	0.0019	< 0.0010	< 0.0010	< 0.0010	NA
1,1-Dichloroethene	mg/L	< 0.0010	0.0014	< 0.0010	0.00041 J	< 0.0010	< 0.0010	< 0.0010	NA
1,2,4-Trichlorobenzene	mg/L	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010 J	< 0.0010 J	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010 J	< 0.0010 J	NA
1,2-Dibromoethane (Ethylene dibromide)	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,2-Dichlorobenzene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,2-Dichloroethane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,2-Dichloropropane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,3-Dichlorobenzene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
1,4-Dichlorobenzene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	NA
2-Hexanone	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA
Acetone	mg/L	< 0.025 B	0.0024 J	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	NA
Benzene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Bromodichloromethane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Bromoform	mg/L	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010 J	< 0.0010	NA
Bromomethane (Methyl bromide)	mg/L	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	NA
Carbon disulfide	mg/L	0.00026 J	0.0025 J	< 0.0050	0.00025 J	< 0.0050	< 0.0050	< 0.0050	NA
Carbon tetrachloride	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Chlorobenzene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Chloroethane	mg/L	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	NA
Chloroform (Trichloromethane)	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Chloromethane (Methyl chloride)	mg/L	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA

Appendix C
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Sample ID: / Date Collected:	Units	MW-40-99 12/03/13	MWF12-01 12/04/13	MWF1R 12/04/13	MWF7-01 12/04/13	MWM16-21 12/05/13	MWW10-03 12/05/13	MWW10-03 DUPLICATE 12/05/13	MWW1-04 12/04/13
cis-1,2-Dichloroethene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
cis-1,3-Dichloropropene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Cyclohexane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Dibromochloromethane	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Dichlorodifluoromethane (CFC-12)	mg/L	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Ethylbenzene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Isopropyl benzene	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA
Methyl acetate	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	NA
Methyl cyclohexane	mg/L	0.00018 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Methyl tert butyl ether (MTBE)	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050 J	< 0.0050 J	NA
Methylene chloride	mg/L	< 0.0050	< 0.0050 J	< 0.0050	< 0.0050 J	< 0.0050	< 0.0050	< 0.0050	NA
Styrene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Tetrachloroethene	mg/L	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.0010	< 0.0010	< 0.0010	NA
Toluene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
trans-1,2-Dichloroethene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
trans-1,3-Dichloropropene	mg/L	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010 J	< 0.0010 J	NA
Trichloroethene	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Trichlorofluoromethane (CFC-11)	mg/L	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010	< 0.0010	NA
Trifluorotrichloroethane (Freon 113)	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010 J	< 0.0010	< 0.0010	< 0.0010	NA
Vinyl chloride	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA
Xylene (total)	mg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	NA
Inorganics									
Antimony	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.0031 B
Lead	mg/L	NA	NA	NA	NA	NA	< 0.0010	< 0.0010	NA
Manganese	mg/L	NA	5.2	NA	NA	NA	0.047	0.062	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	0.02
Field Parameters									
pH	pH units	7.15	7.51	7.66	7.64	7.77	6.83	6.83	9.78
Turbidity	NTU	5.75	5.63	2.51	3.44	4.87	2.3	2.3	5.31

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
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Sample ID: / Date Collected:	Units	MW-40-99 09/18/14	MW-40-99 09/22/15	MWF1R 09/19/14	MWF1R 09/22/15	MWF7-01 09/19/14	MWF7-01 DUPLICATE 09/19/14	MWF7-01 09/22/15	MWF12-01 09/19/14	MWF12-01 09/22/15	MWM16-21 09/19/14	MWM16-21 09/22/15	MWW1-04 09/23/14
PCBs													
Aroclor-1016	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098
Aroclor-1221	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098
Aroclor-1232	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00027
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000078 J
Aroclor-1260	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098
Volatile Organics													
Acetone	mg/L	0.031	0.025 U	<0.025	0.025 U	<0.025	<0.025	0.036 U	<0.025	0.025 U [0.025 U]	<0.025	0.025 U	NA
Benzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Bromodichloromethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Bromoform	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Bromomethane	mg/L	<0.001	0.001 UJ	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
2-Butanone	mg/L	<0.025	0.025 U	<0.025	0.025 U	<0.025	<0.025	0.036 U	<0.025	0.025 U [0.025 U]	<0.025	0.025 U	NA
Carbon Disulfide	mg/L	<0.005	0.005 U	<0.005	0.005 U	<0.005	<0.005	0.0072 U	<0.005	0.005 U [0.005 U]	<0.005	0.005 U	NA
Carbon Tetrachloride	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
CFC-11	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
CFC-12	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Chlorobenzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Chlorodibromomethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Chloroethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 UJ]	<0.001	0.001 U	NA
Chloroform	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.00068 J	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Chloromethane	mg/L	<0.001	0.001 UJ	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Cyclohexane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,2-Dibromo-3-chloropropane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,2-Dibromoethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,2-Dichlorobenzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,3-Dichlorobenzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,4-Dichlorobenzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,1-Dichloroethane	mg/L	<0.001	0.001 U	0.00028 J	0.00061 J	0.0049 J	0.0072 J	0.012	0.0046	0.0039 [0.0041]	<0.001	0.001 U	NA
1,2-Dichloroethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,1-Dichloroethene	mg/L	<0.001	0.001 U	<0.001	0.001 U	0.0013	0.0017	0.0038	0.0022	0.0012 [0.0012]	<0.001	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	<0.001	0.001 U	<0.001	0.001 U	0.00045 J	0.00081 J	0.0019	0.0002 J	0.001 U [0.001 U]	<0.001	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Dichloromethane	mg/L	<0.005	0.005 U	<0.005	0.005 U	<0.005	<0.005	0.0072 UB	<0.005	0.005 U [0.005 U]	<0.005	0.005 U	NA
1,2-Dichloropropane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
cis-1,3-Dichloropropene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
trans-1,3-Dichloropropene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Ethylbenzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Isopropylbenzene	mg/L	<0.005	0.005 U	<0.005	0.005 U	<0.005	<0.005	0.0072 U	<0.005	0.005 U [0.005 U]	<0.005	0.005 U	NA
Methyl acetate	mg/L	<0.01	0.01 U	<0.01	0.01 U	<0.01	<0.01	0.014 U	<0.01	0.01 U [0.01 U]	<0.01	0.01 U	NA
Methyl N-Butyl Ketone	mg/L	<0.05	0.05 U	<0.05	0.05 U	<0.05	<0.05	0.072 U	<0.05	0.05 U [0.05 U]	<0.05	0.05 U	NA
Methylcyclohexane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
4-Methyl-2-pentanone	mg/L	<0.05	0.05 U	<0.05	0.05 U	<0.05	<0.05	0.072 U	<0.05	0.05 U [0.05 U]	<0.05	0.05 U	NA
Methyl tert-butyl ether	mg/L	<0.005	0.005 U	<0.005	0.005 U	<0.005	<0.005	0.0072 U	<0.005	0.005 U [0.005 U]	<0.005	0.005 U	NA
Styrene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,1,2,2-Tetrachloroethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Tetrachloroethene	mg/L	<0.001	0.001 U	<0.001	0.001 U	0.00091 J	0.00099 J	0.0024	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Toluene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MW-40-99 09/18/14	MW-40-99 09/22/15	MWF1R 09/19/14	MWF1R 09/22/15	MWF7-01 09/19/14	MWF7-01 DUPLICATE 09/19/14	MWF7-01 09/22/15	MWF12-01 09/19/14	MWF12-01 09/22/15	MWM16-21 09/19/14	MWM16-21 09/22/15	MWW1-04 09/23/14
1,2,4-Trichlorobenzene	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,1,1-Trichloroethane	mg/L	<0.001	0.001 U	<0.001	0.00067 J	0.014	0.014	0.035	0.025	0.022 [0.018]	<0.001	0.001 U	NA
1,1,2-Trichloroethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Trichloroethene	mg/L	<0.001	0.001 U	<0.001	0.001 U	0.00016 J	0.0002 J	0.00066 J	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	<0.001	0.001 U	NA
Vinyl Chloride	mg/L	<0.001	0.001 U	<0.001	0.001 U	<0.001	<0.001	0.0014 U	<0.001	0.001 U [0.001 U]	0.00034 J	0.0011	NA
Total Xylenes	mg/L	<0.002	0.002 U	<0.002	0.002 U	<0.002	<0.002	0.0029 U	<0.002	0.002 U [0.002 U]	<0.002	0.002 U	NA
Inorganics													
Antimony	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA	2.4	2.8 [2.6]	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013
Field Parameters													
pH	--	7.25	7.50	7.22	7.07	7.08	7.08	7.13	7.10	7.47 [7.47]	7.10	7.58	11.84
Turbidity	--	11.90	5.80	1.53	3.21	2.85	2.85	1.43	1.51	2.12 [2.12]	7.08	3.50	3.50

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW1-04 DUPLICATE 09/23/14	MWW1-04 09/23/15	MWW10-03 09/18/14	MWW10-03 09/23/15
PCBs					
Aroclor-1016	mg/L	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1221	mg/L	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1232	mg/L	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1242	mg/L	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1248	mg/L	<0.0001	0.00025	<0.000095	0.000095 U
Aroclor-1254	mg/L	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1260	mg/L	<0.0001	0.000095 U	<0.000095	0.000095 U
Volatile Organics					
Acetone	mg/L	NA	NA	<0.025	0.025 U
Benzene	mg/L	NA	NA	<0.001	0.001 U
Bromodichloromethane	mg/L	NA	NA	<0.001	0.001 U
Bromoform	mg/L	NA	NA	<0.001	0.001 U
Bromomethane	mg/L	NA	NA	<0.001	0.001 U
2-Butanone	mg/L	NA	NA	<0.025	0.025 U
Carbon Disulfide	mg/L	NA	NA	<0.005	0.005 U
Carbon Tetrachloride	mg/L	NA	NA	<0.001	0.001 U
CFC-11	mg/L	NA	NA	<0.001	0.001 U
CFC-12	mg/L	NA	NA	<0.001	0.001 U
Chlorobenzene	mg/L	NA	NA	<0.001	0.001 U
Chlorodibromomethane	mg/L	NA	NA	<0.001	0.001 U
Chloroethane	mg/L	NA	NA	<0.001	0.001 UJ
Chloroform	mg/L	NA	NA	<0.001	0.001 U
Chloromethane	mg/L	NA	NA	<0.001	0.001 U
Cyclohexane	mg/L	NA	NA	<0.001	0.001 U
1,2-Dibromo-3-chloropropane	mg/L	NA	NA	<0.001	0.001 U
1,2-Dibromoethane	mg/L	NA	NA	<0.001	0.001 U
1,2-Dichlorobenzene	mg/L	NA	NA	<0.001	0.001 U
1,3-Dichlorobenzene	mg/L	NA	NA	<0.001	0.001 U
1,4-Dichlorobenzene	mg/L	NA	NA	<0.001	0.001 U
1,1-Dichloroethane	mg/L	NA	NA	<0.001	0.001 U
1,2-Dichloroethane	mg/L	NA	NA	<0.001	0.001 U
1,1-Dichloroethene	mg/L	NA	NA	<0.001	0.001 U
cis-1,2-Dichloroethene	mg/L	NA	NA	<0.001	0.001 U
trans-1,2-Dichloroethene	mg/L	NA	NA	<0.001	0.001 U
Dichloromethane	mg/L	NA	NA	<0.005	0.005 U
1,2-Dichloropropane	mg/L	NA	NA	<0.001	0.001 U
cis-1,3-Dichloropropene	mg/L	NA	NA	<0.001	0.001 U
trans-1,3-Dichloropropene	mg/L	NA	NA	<0.001	0.001 U
Ethylbenzene	mg/L	NA	NA	<0.001	0.001 U
Isopropylbenzene	mg/L	NA	NA	<0.005	0.005 U
Methyl acetate	mg/L	NA	NA	<0.01	0.01 U
Methyl N-Butyl Ketone	mg/L	NA	NA	<0.05	0.05 U
Methylcyclohexane	mg/L	NA	NA	<0.001	0.001 U
4-Methyl-2-pentanone	mg/L	NA	NA	<0.05	0.05 U
Methyl tert-butyl ether	mg/L	NA	NA	<0.005	0.005 U
Styrene	mg/L	NA	NA	<0.001	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	NA	NA	<0.001	0.001 U
Tetrachloroethene	mg/L	NA	NA	<0.001	0.001 U
Toluene	mg/L	NA	NA	<0.001	0.001 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWW1-04 DUPLICATE 09/23/14	MWW1-04 09/23/15	MWW10-03 09/18/14	MWW10-03 09/23/15
1,2,4-Trichlorobenzene	mg/L	NA	NA	<0.001	0.001 U
1,1,1-Trichloroethane	mg/L	NA	NA	<0.001	0.001 U
1,1,2-Trichloroethane	mg/L	NA	NA	<0.001	0.001 U
Trichloroethene	mg/L	NA	NA	<0.001	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/L	NA	NA	<0.001	0.001 U
Vinyl Chloride	mg/L	NA	NA	<0.001	0.001 U
Total Xylenes	mg/L	NA	NA	<0.002	0.002 U
Inorganics					
Antimony	mg/L	0.0031	0.0032	NA	NA
Lead	mg/L	NA	NA	<0.001 B	0.001 U
Manganese	mg/L	NA	NA	0.03	0.12
Vanadium	mg/L	0.014	0.02	NA	NA
Field Parameters					
pH	--	11.84	9.77	7.11	7.30
Turbidity	--	3.50	4.02	1.01	3.81

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MWF1R	MWF7-01	MWF8-01	MWF12-01	MWF12-02	MWM16-21	MWM16-37	MWW1-04	MWW10-03
Date Collected:	Units	09/20/16	09/20/16	09/22/16	09/21/16	09/21/16	09/21/16	09/20/16	09/20/16	09/21/16	09/21/16
PCBs											
Aroclor-1016	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 [0.1]	0.1 U
Aroclor-1221	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U
Aroclor-1232	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U
Aroclor-1242	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U
Aroclor-1248	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U
Aroclor-1254	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U
Aroclor-1260	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U [0.1 U]	0.1 U
Total PCBs	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	0.1 [0.1]	0.1 U
Volatile Organics											
1,2,3-Trimethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
2-Methylnaphthalene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Acrylonitrile	ug/L	2 U	2 U	2 U	2 U	2 U [2 U]	2 U	2 U	2 U	NA	2 U
Hexachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Iodomethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
m&p-Xylene	ug/L	2 U	2 U	2 U	2 U	2 U [2 U]	2 U	2 U	2 U	NA	2 U
Tetrahydrofuran	ug/L	90 U	90 U	90 U	90 U	90 U [90 U]	90 U	90 U	90 U	NA	90 U
trans-1,4-Dichloro-2-butene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	NA	50 U
Benzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Bromobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
2-Butanone	ug/L	25 U	25 U	25 U	25 U	25 U [25 U]	25 U	25 U	25 U	NA	25 U
n-Butylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
sec-Butylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
tert-Butylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
CFC-11	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
CFC-12	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Chlorobromomethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Chlorodibromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Chloroform	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Cymene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
1,2-Dibromo-3-chloropropane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
1,2-Dibromoethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Dibromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
1,2-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,3-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,4-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,1-Dichloroethane	ug/L	1 U	1 U	2	1 U	3 [4]	2	1 U	1 U	NA	1 U
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1]	1 U	1 U	1 U	NA	1 U
cis-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
trans-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MW-40-99 09/20/16	MWF1R 09/20/16	MWF7-01 09/22/16	MWF8-01 09/21/16	MWF12-01 09/21/16	MWF12-02 09/21/16	MWM16-21 09/20/16	MWM16-37 09/20/16	MWW1-04 09/21/16	MWW10-03 09/21/16
Dichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Diethyl Ether	ug/L	10 U	10 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U	NA	10 U
Ethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Isopropylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Methyl N-Butyl Ketone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	NA	50 U
4-Methyl-2-pentanone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	NA	50 U
Methyl tert-butyl ether	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
Naphthalene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
n-Propylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,1,1,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Toluene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,2,3-Trichlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
1,2,4-Trichlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	NA	5 U
1,1,1-Trichloroethane	ug/L	1 U	1 U	9	1 U	16 [17]	4	1 U	1 U	NA	1 U
1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Trichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,2,3-Trichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,2,4-Trimethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
1,3,5-Trimethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	3	9	NA	1 U
o-Xylene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	NA	1 U
Inorganics											
Antimony	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U
Manganese	mg/L	NA	NA	NA	NA	2.25 [5.29]	3.91	NA	NA	NA	0.060
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.013 [0.013]	NA
Field Parameters											
pH	pH units	7.00	7.03	7.16	6.99	7.19	7.52	7.21	7.06	11.69	7.15
Turbidity	NTU	5.10	3.62	2.97	3.59	3.41	3.79	3.33	3.90	2.69	5.12

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Location ID:		MW-40-99	MWF1R	MWF7-01	MWF8-01	MWF12-01	MWF12-02	MWM16-02	MWM16-29	MWM16-30	MWM16-31
Date Collected:		10/26/17	10/23/17	10/24/17	10/26/17	10/24/17	10/24/17	10/23/17	10/25/17	10/23/17	10/23/17
PCBs											
Aroclor-1016	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ug/L	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organics											
1,1,1-Trichloroethane	ug/L	1 U	1 U	18	1 U	8 [10]	1	1 U	1 U	10	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	1 U	1 U	3	1 U	2 [2]	2	1 U	1 U	1 U	1 U
1,1-Dichloroethene	ug/L	1 U	1 U	1	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
2-Butanone	ug/L	25 U	25 U	25 U	25 U	25 U [25 U]	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U
Benzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
CFC-11	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
CFC-12	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	1 U	1 U	1 U	1	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Cyclohexane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	ug/L	2 U	2 U	2 U	2 U	2 U [2 U]	2 U	2 U	2 U	2 U	2 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U [10 U]	10 U	10 U	10 U	10 U	10 U
Methylene chloride	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Methyl N-Butyl Ketone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U	50 U	50 U	50 U	50 U
Methyl tert-butyl ether	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Location ID: / Date Collected:		MW-40-99 10/26/17	MWF1R 10/23/17	MWF7-01 10/24/17	MWF8-01 10/26/17	MWF12-01 10/24/17	MWF12-02 10/24/17	MWM16-02 10/23/17	MWM16-29 10/25/17	MWM16-30 10/23/17	MWM16-31 10/23/17
o-Xylene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	ug/L	1 U	1 U	1	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	15	1 U
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U	1 U	1 U	1 U	3
Inorganics											
Antimony	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	17.8	0.808	NA	NA	NA	NA
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
pH	pH units	7.15	7.08	7.17	7.08	7.04	7.19	7.07	7.46	6.44	7.01
Turbidity	NTU	10.7	3.67	0.63	1.41	7.0	1.37	15.2	1.28	1.49	1.99

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Location ID:		MWM16-36	MWM16-37	MWM31-02	MWM32-01	MWW1-04	MWW10-03
Date Collected:		10/23/17	10/23/17	10/24/17	10/23/17	10/25/17	10/26/17
PCBs							
Aroclor-1016	ug/L	NA	NA	NA	NA	0.1 U	0.1 U
Aroclor-1221	ug/L	NA	NA	NA	NA	0.1 U	0.1 U
Aroclor-1232	ug/L	NA	NA	NA	NA	0.1 U	0.1 U
Aroclor-1242	ug/L	NA	NA	NA	NA	0.1	0.1 U
Aroclor-1248	ug/L	NA	NA	NA	NA	0.1 U	0.1 U
Aroclor-1254	ug/L	NA	NA	NA	NA	0.1 U	0.1 U
Aroclor-1260	ug/L	NA	NA	NA	NA	0.1 U	0.1 U
Total PCBs	ug/L	NA	NA	NA	NA	0.1	0.1 U
Volatile Organics							
1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,1-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,2,4-Trichlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
1,2-Dibromo-3-chloropropane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
1,2-Dibromoethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,2-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,3-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
1,4-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
2-Butanone	ug/L	25 U	25 U	25 U	25 U	25 U [25 U]	25 U
4-Methyl-2-pentanone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U
Acetone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U
Benzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
CFC-11	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
CFC-12	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Chlorodibromomethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Chloroform	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
cis-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Cyclohexane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Ethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Isopropylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
m&p-Xylene	ug/L	2 U	2 U	2 U	2 U	2 U [2 U]	2 U
Methyl acetate	ug/L	10 U	10 U	10 U	10 U	10 U [10 U]	10 U
Methylene chloride	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Methyl N-Butyl Ketone	ug/L	50 U	50 U	50 U	50 U	50 U [50 U]	50 U
Methyl tert-butyl ether	ug/L	5 U	5 U	5 U	5 U	5 U [5 U]	5 U
Methylcyclohexane	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
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Location ID: / Date Collected:		MWM16-36 10/23/17	MWM16-37 10/23/17	MWM31-02 10/24/17	MWM32-01 10/23/17	MWW1-04 10/25/17	MWW10-03 10/26/17
o-Xylene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Toluene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
trans-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Trichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U [1 U]	1 U
Vinyl Chloride	ug/L	1 U	4	1 U	1 U	1 U [1 U]	1 U
Inorganics							
Antimony	mg/L	NA	NA	NA	NA	0.005	NA
Lead	mg/L	NA	NA	NA	NA	NA	0.003 U
Manganese	mg/L	NA	NA	NA	NA	NA	0.067
Vanadium	mg/L	NA	NA	NA	NA	0.045	NA
Field Parameters							
pH	pH units	8.31	7.06	7.03	6.90	11.15	7.12
Turbidity	NTU	5.68	2.91	1.33	7.49	1.54	0.87

Attachment 4

CHEMICAL CONCENTRATION GRAPHS

APPENDIX D
RACER TRUST PONTIAC NORTH CAMPUS
2018 ANNUAL GROUNDWATER MONITORING REPORT
CHEMICAL CONCENTRATION GRAPHS