



2019 ANNUAL GROUNDWATER MONITORING REPORT

Pontiac North Campus

February 2020



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ACRONYMS AND ABBREVIATIONS

AOI	Area of Interest
CMS	Site Corrective Measures Study
DCE	dichloroethene
DO	dissolved oxygen
EGLE	Michigan Department of Environment, Great Lakes, and Energy
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
IMWP	Interim Measures Work Plan
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
RDWC	residential drinking water criteria
RFI	RCRA Field Investigation
RIASL	Residential Media-Specific Volatilization to Indoor Air Interim Action Screening Level

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SSPL	site-specific parameter list
TCE	trichloroethene
TCL	target compound list
TDS	total dissolved solids
TSS	total suspended solids
USEPA	U.S. Environmental Protection Agency
VI	vapor intrusion
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 water well restriction ordinance prohibiting the installation and 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

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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

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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

Former monitoring well, SB-08-14, was over drilled and replaced with a 6-inch diameter recovery well, RW-08-14, which was installed with an automated skimmer to remove LNAPL consistent with an approved Interim Measures Work Plan (IMWP). Monitoring well MWW01-SEN02 was analyzed for 1,4-dioxane in addition to the standard VOC list in 2019.

Based on comments from USEPA's review of the 2018 Annual Groundwater Monitoring Report as well as groundwater analytical results at the Duck Pond, the following wells were added to the 2019 gauging list:

- Former Fiero Parking Lot
 - PZF17-01, PZF17-02, PZF17-03, PZF17-04, PZF17-05
- Duck Pond
 - MWOS-05, SWDF-1, SWDF-2, MWDP-1R, MWDP-2R, MWDP-3R, MWDP-04, and MWDP-05 which was installed in August 2019.

In addition to gauging, MWOS-05 was also sampled for total and dissolved arsenic in 2019.

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 7 through 10, 2019 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 7 through October 11, 2019. 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 8260C, 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 factors such as accessibility and recovery, the following deviations from the planned sampling protocol occurred during the 2019 groundwater monitoring event:

- Limited groundwater recovery allowed for analysis of inorganics and geochemical parameters at monitoring well MWW5-01, but not for VOCs, PCBs, and total suspended solids (TSS).
- At the former Fiero property at the southwest corner of Area of Interest (AOI) F-12, monitoring well MWF12-01 was accidentally destroyed during Powerhouse demolition activities which occurred during 2019, and therefore could not be gauged or sampled. Furthermore, monitoring well MWF16-10 within AOI F-16 was not accessible for gauging in 2019 due to the presence of a trailer which was unable to be moved during the timeframe of the sampling event.

Well MFW12-01 will be reinstalled and well MWF16-10 should be accessible after demolition activities at the property are concluded.

- At the Rivore Metals property slightly southeast of AOI M-2, monitoring wells MWM2-22 and MWM2-37 were unable to be accessed for gauging due to the presence of large scrap metal piles.

Rivore has been asked to uncover monitoring wells MWM2-22 and MWM2-37.

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At the off-site Pontiac School Board property, monitoring well MWPS-02 was also unable to be gauged in 2019 due to inaccessibility. The need for an access agreement with the current property owner to allow access to this well is being evaluated.

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 on the Rivore property nearby AOI M-2 and north of the USPS building. 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 Environment, Great Lakes, and Energy (EGLE) 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 (EGLE 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. In addition, groundwater results will also be compared to Residential Media-Specific Volatilization to Indoor Air Interim Action Screening Levels (RIASLs) (EGLE 2017) for groundwater not in contact with a building foundation per USEPA comments on the 2018 Annual Groundwater Monitoring Report. A summary of the October 2019 annual sampling groundwater analytical data is included in Table 2 and presented on Figures 3A (VOCs and pH), 3B (inorganics and total dissolved solids (TDS)), and 3C (PCBs). Groundwater analytical data near the property boundaries of the site are summarized on Figure 4. Note that analytical parameters which are listed on Figure 3A, 3B, 3C, and 4 include only those parameters where a regulatory exceedance of promulgated criteria for RDWC, NRDWC, GSI, NRHBDW, and/or RIASLs exists anytime from the timeframe from 2015-2019. No groundwater analytical results have exceeded EGLE residential and non-residential groundwater volatilization to indoor air inhalation criteria. Therefore, no such criteria or exceedances are referenced on Figures 3A, 3B, 3C, or 4.

Of note, the RDWC and NRDWC for pH are aesthetic drinking water values. Several inorganics including copper, iron, and manganese have RDWC and NRDWC which represent aesthetic drinking water values as well. The NRHBDW values associated with these inorganic constituents will be utilized for site comparison as that value is more applicable.

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A complete list of test results in 2019 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 2018 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 certain areas 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 2019 groundwater data, presented in Table 2 and on Figures 3A, 3B, 3C, and 4, have been compared to RDWC, NRDWC, GSI, NRHBDW, and RIASLs 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, and planned and existing groundwater use restrictions will prevent unacceptable risk due to these exceedances. To that objective, the results and conclusions of the 2019 groundwater monitoring event described below are consistent with previous year's events and aligned with proposed corrective measures at the Site. Results which may require further discussion, consideration, and/or evaluation, such as select criteria exceedances where controls are not in place near property boundaries, are the primary focus below.

The following is a summary of the October 2019 groundwater sample results focused on property boundary exceedances:

VOCs

- The concentrations of trichloroethene (TCE) detected in monitoring well MWM16-23 (0.020 mg/L) located along the southwest corner of the Fiero property boundary exceeds the RIASL of 0.0061 mg/L.

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PCBs

- Monitoring well MWW01-SEN04 located in the southern portion of the USPS property contained a PCB concentration (0.015 mg/L) which exceeded GSI criteria. However, based on the depth to water at this location (~30 feet below ground surface), water had to be sampled with a bailer rather than via low-flow methodology due to the peristaltic pump's lift limit as opposed to the sample which was obtained in 2018. The turbidity of the 2019 sample was 174 nephelometric turbidity units (NTUs) (versus 13.2 NTUs in 2018) which significantly exceeded the 10 NTU target threshold for low flow sampling. Furthermore, groundwater sampled from monitoring wells located further south and downgradient of MWW01-SEN04 along Montcalm Street did not exceed GSI criteria.

Inorganics

- The concentration of silver at monitoring well TW-MD-01 (0.007 mg/L) near the southern USPS property boundary along Montcalm Street exceeded the GSI criterion of 0.0002 mg/L.
- MWW1-04, located at the southern property boundary just west of the Saginaw Street extension north of Montcalm Street, exhibited an elevated field pH reading of 11.31 which exceeded the GSI criterion of 6.5 to 9.0. The pH readings from the remaining wells sampled in October 2019 were within the GSI pH range of 6.5 to 9.0.

Total Dissolved Solids

- All monitoring wells sampled for total dissolved solids (TDS) exceeded the GSI criterion of 500 mg/L. This includes monitoring wells TW-MD-01 through TW-MD-07 which are located along the southern property boundary. TDS concentrations ranged from 680 to 1,220 mg/L.

4 TRENDS AND CONCLUSIONS

4.1 Evaluation of Trends

Select key constituents detected in numerous events in property boundary wells 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 PCBs in monitoring well MWW01-SEN04 increased this year to 0.015 mg/L which exceeds the GSI criterion. However, as previously discussed it is anticipated that turbidity realized significantly above low flow sampling thresholds impacted these results. TW-MD-06, which is located downgradient of MWW01-SEN04, contained PCB concentrations equal to the GSI criterion in 2019. All other TW-MD-## monitoring wells downgradient of MWW01-SEN04 did not contain PCBs which exceeded the GSI criterion in 2019. Of note, TW-MD-06 is located more than 950 feet upgradient of Harris Lake, the closest receptor.
- The elevated pH of groundwater in MWW1-04 has consistently exceeded the GSI pH range of 6.5 to 9.0 since 2007. The overall pH trend at this well has remained stable, and this characteristic appears to be isolated as pH readings from other wells at the Site are within the GSI criteria limits.
- The detection of silver in monitoring well TW-MD-01 was a first-time detection of silver at this location and may be an anomaly. Silver, along with numerous other metals, was removed from the GMP following the 2009 GMP modification. Silver has been analyzed at a sub-set of Site wells per the Montcalm Seep Interim Measures Work Plan and the 2018 GMP modification. As this is the first detection of silver in TW-MD-01, no trend data is available.
- As depicted in Figure 4, multiple wells along the USPS southern property boundary that were sampled under the GMP for the first time in 2018, exceed GSI criterion for TDS. While certain results fluctuated from 2018 to 2019, the data set remains limited to evaluate trends.
- Monitoring well MWW01-SEN04 contained detectable PCBs and several inorganic parameters which spiked in concentrations in 2019 and resulted in additional exceedances which were not present during the 2018 annual event. Due to the increased depth to groundwater in this deeper well in 2019 as compared to 2018, a bailer was required to be used for sampling instead of low flow methodology, resulting in significantly increased turbidity in the sample (174 NTU in 2019 compared to 13.2 NTU in 2018). The spike in concentrations in 2019 is believed to be attributed to this factor, and therefore 2019 results are considered anomalous and will not be used for trend analyses.

4.2 Conclusions

Conclusions of the 2019 groundwater monitoring event are summarized below. As described in Section 3.2, following USEPA comments on the 2018 Annual Groundwater Monitoring Report, EGLE RIASLs for groundwater not in contact with a building foundation were added to the criteria comparisons this year. Furthermore, NRHBDW values were adopted for comparison for several inorganics including copper, iron, and manganese as these constituents had RDWC and NRDWC which represent aesthetic drinking water values. The NRHBDW values associated with these inorganic constituents were utilized for site comparison as these health-based values are more applicable than the aesthetic values.

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Although there were data fluctuations and certain criteria comparisons were added or changed in 2019, referenced exceedances did not change to the extent that trigger reconsideration or changes to the proposed corrective measures at the Site:

- The pH of groundwater at MWW1-04 has continued to exceed the GSI pH range of 6.5 to 9.0 since 2007. 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 in 2016. All pH results from these downgradient locations fell within the 6.5 to 9.0 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 be the cause of the elevated pH at this location.

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.

Although a number of groundwater samples within the Site contain concentrations of VOCs which exceed RIASLs, downgradient wells within the property or near the property boundary do not exceed those criteria. Only one well (MWF16-23) located along the west Fiero property boundary, has a TCE concentration that exceeds its RIASL.

With the exception of TDS and one potentially anomalous silver concentration in TW-MD-01, other GSI exceedances in on-site wells are delineated by downgradient on-site wells which do not contain constituents that exceed GSI. TDS exceeds GSI criteria along the southern property boundary north of Montcalm Street. However, the Montcalm toe drain system will mitigate the potential for groundwater daylighting to the ground surface and eventually entering the City of Pontiac storm sewer system.

Contingent on the results of implementing the recommendations below, groundwater data and trends 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. Due to several exceedances of VI and GSI criteria near the property boundaries, based on current EGLE guidance, the following recommendations are suggested:

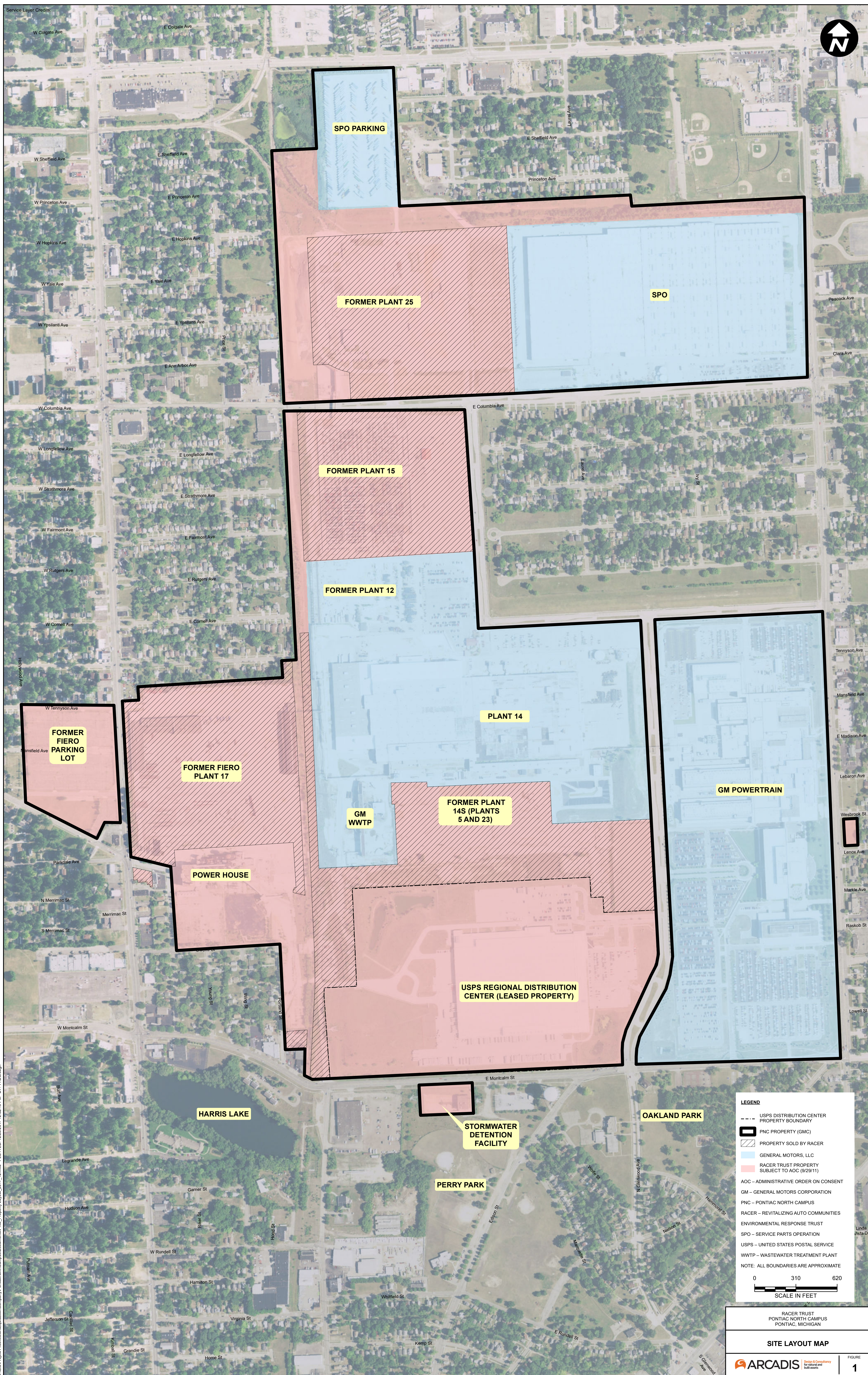
- 1) Re-install MWF12-01 on the southern boundary of the Fiero property, and continue to monitor groundwater at this location for 1,4-dioxane;
- 2) Request that EGLE develop Site (Fiero)-specific VI criteria for VOCs in groundwater at the Fiero property under the scenario of not in contact with groundwater and compare the groundwater data to the Site-specific criteria to allow for evaluation of the need for any additional action;

Upon approval of the Corrective Measures Study (CMS), the groundwater monitoring program will be re-evaluated, and any needed additional deed restrictions will be reviewed with USEPA, current property owners as applicable, and recorded.

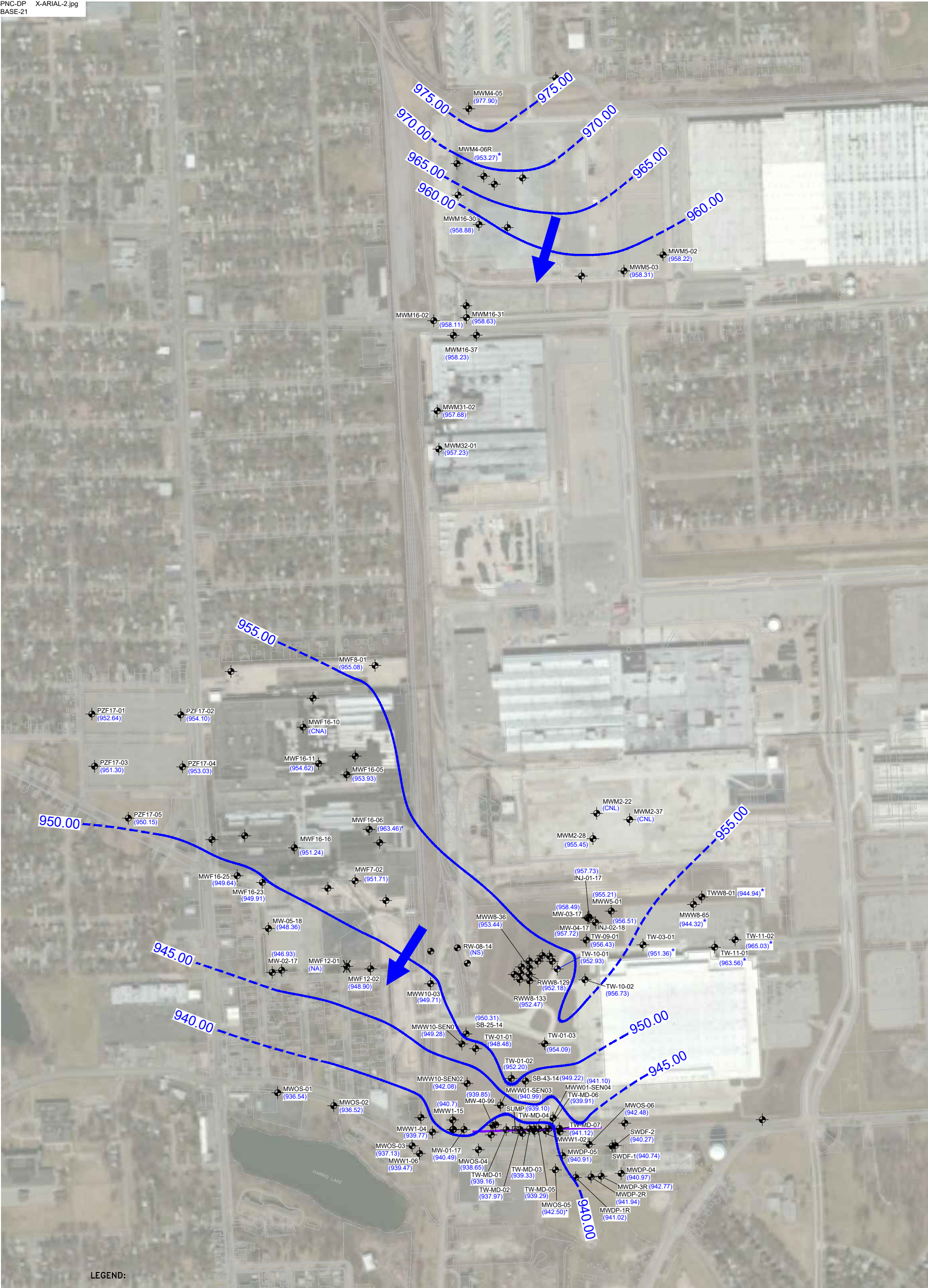
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- ENVIRON International Corporation (ENVIRON). 2002. Resource Conservation and Recovery Act Environmental Indicators Report, General Motors Corporation, Pontiac North Campus Facility, Pontiac, Michigan. July, 2002.
- Michigan Department of Environment, Great Lakes, and Energy (EGLE). 2017. Media-Specific Volatilization to Indoor Air Interim Action Screening Levels, August, 2017.
- Michigan Department of Environment, Great Lakes, and Energy. 2018. 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.
- U.S. Environmental Protection Agency (USEPA; Region I). 1996. Low-Stress (or Low-Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells – Revision 2. July 30, 1996.

FIGURES



XREFS: IMAGES:
X-PNC-DP X-ARIAL-2.jpg
X-BASE-21



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- DESTROYED GROUNDWATER MONITORING WELL LOCATION
- SUMP
- TOE DRAIN
- (939.47) GROUNDWATER ELEVATION
- WELL NOT APPROPRIATE FOR GROUNDWATER CONTOURING DUE TO SCREEN DEPTH AND/OR NOT REPRESENTATIVE OF SITE HYDROLOGY
- GROUNDWATER CONTOUR (CONTOUR INTERVAL 5.0 FEET) (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- NS NOT SURVEYED
- CNL COULD NOT LOCATE
- CNA COULD NOT ACCESS
- NA NOT AVAILABLE; WELL DESTROYED

NOTES:

- ALL SAMPLE LOCATIONS ARE APPROXIMATE.
- GROUNDWATER ELEVATIONS CALCULATED FROM WATER LEVELS COLLECTED ON OCTOBER 7 – 10, 2019.
- ALL ELEVATIONS ARE REFERENCED TO A MEAN SEA LEVEL DATUM AND ARE IN UNITS OF FEET ABOVE MEAN SEA LEVEL.
- WELLS WITH NO GROUNDWATER ELEVATION AND LABEL WERE NOT INCLUDED IN THE ANNUAL SAMPLING AND GAUGING.
- 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).



RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

GROUNDWATER CONTOUR MAP
OCTOBER - 2019



FIGURE

2

MWM16-37				
Date	9/20/2016	10/23/2017	10/2/2018	10/10/2019
Field Parameters				
pH	7.06	7.06	7.12	7.17
VOCs				
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethane	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)
Vinyl Chloride	0.009 (RDW, NRDW, RVI)	0.004 (RDW, NRDW, RVI)	0.003 (RDW, NRDW, RVI)	0.002 (RDW, NRDW, RVI)

MWM16-21 (Replaced with MWM16-30 in 2017)		
Date	9/22/2015	9/20/2016
Field Parameters		
pH	7.58	7.21
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)
Vinyl Chloride	0.001	0.003 (RDW, NRDW, RVI)

MWM16-30			
Date	10/23/2017	10/5/2018	10/10/2019
Field Parameters			
pH	6.44 (RDW, NRDW, GSI)	NA	6.86
VOCs			
1,1,1-Trichloroethane	0.01	NA	0.006
1,1-Dichloroethane	ND (0.001)	NA	ND (0.001)
Carbon Tetrachloride	ND (0.001)	NA	ND (0.001)
Chloroform	ND (0.001)	NA	ND (0.001)
Tetrachloroethane	ND (0.001)	NA	ND (0.001)
Trichloroethene	0.015 (RDW, NRDW, RVI)	NA	0.017 (RDW, NRDW, RVI)
Vinyl Chloride	ND (0.001)	NA	ND (0.001)

MWM16-31			
Date	10/23/2017	10/2/2018	10/10/2019
Field Parameters			
pH	7.01	7.04	7.27
VOCs			
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Chloroform	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Tetrachloroethane	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)]
Vinyl Chloride	0.003 (RDW, NRDW, RVI)	ND (0.001)	0.002 [0.002] (RDW, NRDW, RVI)

MWF8-61				
Date	9/21/2016	10/26/2017	10/4/2018	10/7/2019
Field Parameters				
pH	6.99	7.06	5.56 (RDW, NRDW, GSI)	6.9
VOCs				
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	0.001	0.002	ND (0.001)
Tetrachloroethane	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)
Vinyl Chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

MWF16-06		
Date	10/4/2018	10/7/2019
Field Parameters		
pH	6.44 (RDW, NRDW, GSI)	7.65
VOCs		
1,1,1-Trichloroethane	0.163 Y (GSI)	0.164 (GSI)
1,1-Dichloroethane	0.009 Y (RDW, NRDW)	0.012 (RDW, NRDW)
1,4-Dioxane	0.015 (RDW)	0.029 (RDW)
Carbon Tetrachloride	0.014 Y (RDW, NRDW)	0.013 (RDW, NRDW)
Chloroform	0.038 Y (RVI)	0.034 (RVI)
Tetrachloroethane	0.070 Y (RDW, NRDW, GSI)	0.076 (RDW, NRDW, GSI)
Trichloroethene	0.012 Y (RDW, NRDW, RVI)	0.012 (RDW, NRDW, RVI)
Vinyl Chloride	ND (0.005) Y	ND (0.002)

MWF16-23		
Date	10/1/2018	10/7/2019
Field Parameters		
pH	6.91	7.04
VOCs		
1,1,1-Trichloroethane	0.009	0.009
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	0.004	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Trichloroethene	0.015 (RDW, NRDW, RVI)	0.020 (RDW, NRDW, RVI)
Vinyl Chloride	ND (0.001)	ND (0.001)

MWF7-02		
Date	10/4/2018	10/7/2019
Field Parameters		
pH	5.91 (RDW, NRDW, GSI)	7.12
VOCs		
1,1,1-Trichloroethane	0.073 [0.073]	0.06
1,1-Dichloroethane	0.011 [0.011] (RDW, NRDW)	0.01 (RDW, NRDW)
1,4-Dioxane	0.560 [0.560] Y (RDW, NRDW, GSI)	ND Y (RDW, GSI)
Carbon Tetrachloride	ND (0.001) [ND (0.001)]	ND (0.001)
Chloroform	ND (0.001) [ND (0.001)]	ND (0.001)
Tetrachloroethane	0.034 [0.033] (RDW, NRDW)	0.054 (RDW, NRDW)
Trichloroethene	0.003 [0.003]	0.003
Vinyl Chloride	ND (0.001) [ND (0.001)]	ND (0.001)

MW-02-17		
Date	10/2/2018	10/7/2019
Field Parameters		
pH	6.73	7.09
VOCs		
1,1,1-Trichloroethane	0.006	0.007
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	0.021 (RDW)	0.029 (RDW)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	0.006 (RDW, NRDW)	0.01 (RDW, NRDW)
Trichloroethene	0.002	0.004
Vinyl Chloride	ND (0.001)	ND (0.001)

MWW1-04				
Date	9/23/2015	9/21/2016	10/25/2017	10/4/2018
Field Parameters				
pH	9.77 (RDW, NRDW, GSI)	11.69 (RDW, NRDW, GSI)	11.15 (RDW, NRDW, GSI)	11.46 (RDW, NRDW, GSI)
VOCs				
1,1,1-Trichloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
1,1-Dichloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
1,4-Dioxane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Carbon Tetrachloride	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Chloroform	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Tetrachloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Trichloroethene	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]
Vinyl Chloride	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]

MWW10-SEN02		
Date	10/5/2018	10/8/2019
Field Parameters		
pH	6.75	6.96
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	0.009 (RDW)	0.009 (RDW)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)

MW-40-99				
Date	9/22/2015	9/20/2016	10/26/2017	10/3/2018
Field Parameters				
pH	7.5	7	7.15	7.12
VOCs				
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dioxane	NA	NA	NA	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethane	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)
Vinyl Chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

MWW01-SEN03		
Date	10/5/2018	10/10/2019
Field Parameters		
pH	7.57	7.08
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	0.026 (RDW)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)

TW-10-02		
Date	10/1/2018	10/9/2019
Field Parameters		
pH	6.48 (RDW, NRDW, GSI)	6.6
VOCs		
1,4-Dioxane	0.045 (RDW)	0.090 [0.120] (RDW)

- LEGEND:
- APPROXIMATE GENERAL MOTORS (GM) COMPANY, LLC PROPERTY BOUNDARY
 - APPROXIMATE RACER TRUST (RACER) PROPERTY BOUNDARY
 - GROUNDWATER MONITORING WELL LOCATION
 - DESTROYED GROUNDWATER MONITORING WELL LOCATION
 - FENCED AREA
 - 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
GSI - GROUNDWATER SURFACE WATER INTERFACE CRITERIA
RVI - RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR RECOMMENDED INTERIM ACTION SCREENING LEVELS
- CONSTITUENT CONCENTRATION EXCEEDS OR IS EQUAL TO NON-RESIDENTIAL AND RESIDENTIAL DRINKING WATER CRITERIA
- CONSTITUENT CONCENTRATION EXCEEDS OR IS EQUAL TO RESIDENTIAL DRINKING WATER CRITERIA
- CONSTITUENT CONCENTRATION EXCEEDS OR IS EQUAL TO GROUNDWATER SURFACE WATER INTERFACE CRITERIA AND/OR ONE OR MORE ADDITIONAL CRITERIA
- (ITALIC) CONSTITUENT CONCENTRATION EXCEEDS OR IS EQUAL TO RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR RECOMMENDED INTERIM ACTION SCREENING LEVELS
- NO EXCEEDANCES OF APPLICABLE CRITERIA FROM SAMPLING EVENTS BETWEEN 2015-2019

NOTES:

- ALL SAMPLE LOCATIONS ARE APPROXIMATE.
- ALL CONCENTRATIONS ARE PRESENTED IN MILLIGRAMS PER LITER (MG/L).
- DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS.
- ND (0.25) - CONSTITUENT NOT DETECTED, ASSOCIATED DETECTION LIMIT PRESENTED IN BRACKETS.
- J - ESTIMATED CONCENTRATION.
- NA - NOT ANALYZED
- VOC - VOLATILE ORGANIC COMPOUND
- Y - ELEVATED REPORTING LIMIT DUE TO HIGH TARGET CONCENTRATIONS
- ANALYTICAL DATA DATING BACK TO SEPTEMBER 2015 PRESENTED ON THIS FIGURE. ALL HISTORICAL DATA PRESENTED IN ATTACHMENT 3.
- MWM16-30 COULD NOT BE LOCATED/SAMPLED IN 2018.
- 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 NRHBW EXISTS ANYTIME FROM THE TIMEFRAME FROM 2015-2019.
- pH RDW AND NRDW CRITERIA REPRESENT AESTHETIC DRINKING WATER VALUES AS REQUIRED BY SECTION 20120A(5) OF THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT, 1994 PA 451, AS AMENDED (NREPA).
- RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR RECOMMENDED INTERIM ACTION SCREENING LEVELS ARE FROM THE MEDIA-SPECIFIC VOLATILIZATION TO INDOOR AIR INTERIM ACTION SCREENING LEVELS, AUGUST 2017.
- OTHER 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 CRITERIA UPDATED JUNE 25, 2018.

	Residential Drinking Water Criteria	Non-Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Residential Groundwater Volatilization to Indoor Air Recommended Interim Action Screening Levels
	Units	Units	Units	Units
pH	6.5 - 8.5	6.5 - 8.5	6.5 - 8.0	--
VOCs				
1,1,1-Trichloroethane	mg/L	0.2	0.089	8.6
1,1-Dichloroethane	mg/L	0.007	0.13	0.170
1,4-Dioxane	mg/L	0.0072	0.35	0.28
Carbon Tetrachloride	mg/L	0.005	0.038	--
Chloroform	mg/L	0.08	0.35	0.0076
Tetrachloroethane	mg/L	0.005	0.06	0.096
Trichloroethene	mg/L	0.005	0.2	0.0061
Vinyl Chloride	mg/L	0.002	0.013	0.00096 (M)

NOTE:

- M - SITE-SPECIFIC CRITERION MAY BE BELOW TARGET DETECTION LIMITS (TDL).

0 500' 1000'
GRAPHIC SCALE

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

GROUNDWATER ANALYTICAL SUMMARY
VOCs AND pH
OCTOBER 2019

ARCADIS | Design & Consultancy
for natural and built assets

FIGURE
3A

Date	9/23/2015	9/21/2016	10/25/2017	10/4/2018	10/7/2019
Field Parameters					
pH	9.77 (RDW, NRWD, GSI)	11.69 (RDW, NRWD, GSI)	11.15 (RDW, NRWD, GSI)	11.46 (RDW, NRWD, GSI)	11.31 (RDW, NRWD, GSI)
PCBs					
Total PCBs	0.00025 (GSI)	0.0001 [0.0001]	0.0001	0.0001 [ND (0.0001)]	0.0002 (GSI)
VOCs					
1,1,1-Trichloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
1,1-Dichloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
1,4-Dioxane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Carbon Tetrachloride	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Chloroform	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Tetrachloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Chloroform	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Trichloroethane	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Vinyl Chloride	NA	NA	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001)
Inorganics					
Arsenic	0.02 (RDW)	0.013 [0.013] (RDW)	0.045 (RDW, GSI)	0.016 [0.015] (RDW)	0.008 (RDW)
Chromium					
Copper					
Iron					
Lead					
Manganese					
Nickel					
Silver					
Vanadium					
Total Dissolved Solids					
TDS	630 (RDW, NRWD, GSI)	680 (RDW, NRWD, GSI)			

Date	10/3/2018	10/8/2019
Field Parameters		
pH	6.9	7.14
PCBs		
Total PCBs	ND (0.0001)	ND (0.0001)
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)
Inorganics		
Arsenic	ND (0.002)	0.002
Chromium	ND (0.005)	ND (0.005)
Copper	ND (0.005)	ND (0.005)
Iron	10.8 (NRHBDW)	7.05 (NRHBDW)
Lead	ND (0.003)	ND (0.003)
Manganese	1	
Nickel	ND (0.005)	ND (0.005)
Silver	ND (0.005)	0.0007 (GSI)
Vanadium	ND (0.005)	ND (0.005)
Total Dissolved Solids		
TDS	630 (RDW, NRWD, GSI)	680 (RDW, NRWD, GSI)

Date	10/3/2018	10/8/2019
Field Parameters		
pH	6.9	7.25
PCBs		
Total PCBs	ND (0.0001)	ND (0.0001)
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)
Inorganics		
Arsenic	0.008	0.006
Chromium	ND (0.005)	ND (0.005)
Copper	ND (0.005)	ND (0.005)
Iron	14.3 (NRHBDW)	11.2 (NRHBDW)
Lead	ND (0.003)	ND (0.003)
Manganese	0.747	0.501
Nickel	ND (0.005)	ND (0.005)
Vanadium	ND (0.005)	ND (0.005)
Total Dissolved Solids		
TDS	620 (RDW, NRWD, GSI)	728 (RDW, NRWD, GSI)

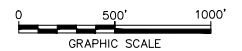
Date	10/3/2018	10/8/2019
Field Parameters		
pH	7.01	7.33
PCBs		
Total PCBs	ND (0.0001)	ND (0.0001)
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)
Inorganics		
Arsenic	0.005	0.004 f
Chromium	ND (0.005)	ND (0.005) f
Copper	ND (0.005)	ND (0.005) f
Iron	18.0 (NRHBDW)	2.03
Lead	ND (0.003)	ND (0.003)
Manganese	0.82	0.250 f
Nickel	ND (0.005)	0.010 f
Vanadium	ND (0.005)	ND (0.005) f
Total Dissolved Solids		
TDS	1,180 (RDW, NRWD, GSI)	780 (RDW, NRWD, GSI)

Date	10/3/2018	10/9/2019
Field Parameters		
pH	6.69	7.12
PCBs		
Total PCBs	ND (0.0001)	ND (0.0001)
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)
Inorganics		
Arsenic	0.002	0.006
Chromium	ND (0.005)	ND (0.005)
Copper	ND (0.005)	ND (0.005)
Iron	21.9 (NRHBDW)	13.8 (NRHBDW)
Lead	ND (0.003)	ND (0.003)
Manganese	1.16	0.571
Nickel	ND (0.005)	ND (0.005)
Vanadium	ND (0.005)	ND (0.005)
Total Dissolved Solids		
TDS	1,700 (RDW, NRWD, GSI)	792 (RDW, NRWD, GSI)

Date	10/3/2018	10/9/2019
Field Parameters		
pH	6.85	7.25
PCBs		
Total PCBs	ND (0.0001)	ND (0.0001)
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)
Inorganics		
Arsenic	0.004	0.005
Chromium	ND (0.005)	ND (0.005)
Copper	ND (0.005)	ND (0.005)
Iron	24.9 (NRHBDW)	13.0 (NRHBDW)
Lead	ND (0.003)	ND (0.003)
Manganese	0.356	0.400
Nickel	ND (0.005)	ND (0.005)
Vanadium	ND (0.005)	ND (0.005)
Total Dissolved Solids		
TDS	586 (RDW, NRWD, GSI)	784 (RDW, NRWD, GSI)

Date	10/4/2018	10/9/2019
Field Parameters		
pH	6.81	7.16
PCBs		
Total PCBs	ND (0.0001)	0.0002 (GSI)
VOCs		
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	ND (0.001)	ND (0.001)
Inorganics		
Arsenic	0.01	0.007
Chromium	ND (0.005)	ND (0.005)
Copper	ND (0.005)	ND (0.005)
Iron	24.9 (NRHBDW)	9.57 (NRHBDW)
Lead	ND (0.003)	ND (0.003)
Manganese	0.947	0.435
Nickel	ND (0.005)	ND (0.005)
Vanadium	ND (0.005)	ND (0.005)
Total Dissolved Solids		
TDS	1,080 (RDW, NRWD, GSI)	884 (RDW, NRWD, GSI)

- NOTES:
- M - SITE-SPECIFIC CRITERION MAY BE BELOW TARGET DETECTION LIMITS (TDL).
 - CRITERIA APPLIES TO BOTH TOTAL AND DISSOLVED INORGANICS.



RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

GROUNDWATER ANALYTICAL SUMMARY PROPERTY BOUNDARIES OCTOBER 2019



FIGURE

4

Date	9/20/2016	10/23/2017	10/2/2018	10/10/2019
Field Parameters				
pH	7.06	7.06	7.12	7.17
VOCs				
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Vinyl Chloride	0.009 (RDW, NRWD, RV)	0.004 (RDW, NRWD, RV)	0.003 (RDW, NRWD, RV)	0.002 (RDW, NRWD, RV)

Date	10/23/2017	10/2/2018	10/10/2019
Field Parameters			
pH	7.01	7.04	7.27
VOCs			
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Chloroform	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001) [ND (0.001)]
Vinyl Chloride	0.003 (RDW, NRWD, RV)	ND (0.001)	0.002 [0.002] (RDW, NRWD, RV)

Date	9/22/2015	9/20/2016	10/26/2017	10/3/2018	10/9/2019
Field Parameters					
pH	7.5	7	7.15	7.12	7.02
VOCs					
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dioxane	NA	NA	NA	ND (0.001)	0.011 (RDW)
Carbon Tetrachloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethane	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)

Date	9/21/2016	10/24/2017	10/3/2018	10/7/2019
Field Parameters				
pH	7.52	7.19	7.1	7.27
VOCs				
1,1,1-Trichloroethane	0.004	0.001	0.001	0.001
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,4-Dioxane	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)
Chloroform	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethane	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)
Inorganics				
Manganese	3.91 (NRHBDW, GSI)	0.808	0.292	0.330

Date	10/1/2018	10/7/2019
Field Parameters		
pH	6.91	7.04
VOCs		
1,1,1-Trichloroethane	0.009	0.009
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,4-Dioxane	0.004	ND (0.001)
Carbon Tetrachloride	ND (0.001)	ND (0.001)
Chloroform	ND (0.001)	ND (0.001)
Tetrachloroethane	ND (0.001)	ND (0.001)
Trichloroethane	ND (0.001)	ND (0.001)
Vinyl Chloride	0.019 (RDW, NRWD, RV)	0.009 (RDW, NRWD, RV)
Inorganics		
Manganese	ND (0.001)	ND (0.001)

Date	9/22/2015	9/21/2016	10/24/2017	1/17/2018	10/3/2018
Field Parameters					
pH	7.47 [7.47]	7.19	7.04	6.79	6.92
VOCs					
1,1,1-Trichloroethane	0.022 [0.018]	0.016 [0.017]	0.008 [0.01]	NA	NA
1,1-Dichloroethane	0.0012 [0.0012]	ND (0.001) [0.001]	ND (0.001) [ND (0.001)]	NA	NA
1,4-Dioxane	NA	NA	NA	0.005	NA
Carbon Tetrachloride	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	NA	NA
Chloroform	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	NA	NA
Tetrachloroethane	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	ND (0.001) [ND (0.001)]	NA	NA
Trichloroethane	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)]	NA	NA
Inorganics					
Manganese	2.8 [2.6] (NRHBDW, GSI)	2.25 (GSI)	17.8 (NRHBDW, GSI)	3.32 [3.12] (NRHBDW, GSI)	NA

Date	10/2/2018	10/7/2019
Field Parameters		
pH	6.73	7.09
VOCs		
1,1,1-Trichloroethane	0.006	0.007

TABLES

Table 1
Groundwater Elevation Summary, October 2019
2019 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

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	7.25	--	12.97	936.54	--	--
MWOS-02	943.46	6.94	--	15.37	936.52	--	--
MWOS-03	944.35	7.22	--	18.15	937.13	--	--
MWOS-04	942.52	3.87	--	12.33	938.65	--	--
MWOS-06	944.01	1.53	--	12.65	942.48	--	--
FIERO							
F-7							
MWF7-02	970.58	18.87	--	26.99	951.71	--	--
F-8							
MWF8-01	972.94	17.86	--	27.64	955.08	--	--
F-12							
MWF12-01	965.39	Well destroyed by demo activities			NA	--	--
MWF12-02	966.81	17.91	--	27.22	948.90	--	--
F-16							
MWF16-10	973.57	Could not access - under trailer			NA	--	--
MWF16-11	973.36	18.74	--	26.40	954.62	--	--
MWF16-05	973.68	19.75	--	22.74	953.93	--	--
MWF16-06	973.77	10.31	--	28.18	963.46	--	--
MWF16-16	973.22	21.98	--	31.30	951.24	--	--
MWF16-23	973.39	23.48	--	30.51	949.91	--	--
MWF16-25	975.24	25.60	--	37.20	949.64	--	--
MW-02-17	972.52	25.59	--	29.72	946.93	--	--
MW-05-18	975.21	26.85	--	33.60	948.36	--	--
DEMOLITION AREA							
W-1							
MWW01-SEN03	981.67	40.68	--	48.03	940.99	--	--
MWW01-SEN04	971.12	30.02	--	37.89	941.10	--	--
MWW1-04	947.49	7.72	--	16.34	939.77	--	--
MWW1-06	943.63	4.16	--	14.15	939.47	--	--
MW-40-99	952.32	12.47	--	18.34	939.85	--	--
MW-01-17	949.40	8.91	--	10.74	940.49	--	--
TW-01-01	972.95	25.39	24.35	30.00	947.56	1.04	948.48
TW-01-02	973.38	21.18	--	21.48	952.20	--	--
TW-01-03	969.06	14.97	--	23.09	954.09	--	--
SB-43-14	969.90	21.21	20.61	30.30	948.69	0.60	949.22
W-5							
MWW5-01	970.57	15.36	--	16.42	955.21	--	--
W-8							
TW-03-01	970.48	19.13	19.12	33.33	951.35	0.01	951.36
MWW8-36	968.62	15.28	15.17	NM	953.34	0.11	953.44
MWW8-65	969.62	34.32	24.08	NM	935.30	10.24	944.32
RWW8-129	966.71	15.26	14.43	NM	951.45	0.83	952.18
RWW8-133	966.34	17.11	13.43	NM	949.23	3.68	952.47
TW-11-01	969.28	10.01	5.14	NM	959.27	4.87	963.56
TW-11-02	970.38	9.07	4.84	NM	961.31	4.23	965.03
TW-09-01	970.01	13.58	--	23.29	956.43	--	--
TW-10-01	971.91	18.98	--	32.75	952.93	--	--
TW-10-02	971.83	15.10	--	35.20	956.73	--	--
TWW8-01	969.37	32.05	23.39	NM	937.32	8.66	944.94
W-10							
MWW10-03	958.20	8.49	--	13.64	949.71	--	--
MWW10-SEN01	967.31	18.03	--	22.46	949.28	--	--
MWW10-SEN02	967.68	25.60	--	28.34	942.08	--	--
SB-25-14	966.21	15.96	15.89	20.30	950.25	0.07	950.31
RW-08-14	NS	9.53	9.40	NM	NA	0.13	NA

See Notes on last page.

Table 1
Groundwater Elevation Summary, October 2019
2019 Annual Groundwater Monitoring Report
RACER Trust Pontiac North Campus

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
MFD							
M-2							
MWM2-22	970.82	CNL	--	CNL	NA	--	--
MWM2-28	971.07	15.62	--	25.81	955.45	--	--
MWM2-37	970.52	CNL	--	CNL	NA	--	--
M-4							
MWM4-05	985.70	7.80	--	23.04	977.90	--	--
MWM4-06R	961.10	7.83	--	22.53	953.27	--	--
M-5							
MWM5-02	977.07	18.85	--	27.06	958.22	--	--
MWM5-03	978.78	20.47	--	33.65	958.31	--	--
M-16							
MWM16-02	979.83	21.72	--	28.71	958.11	--	--
MWM16-30	985.37	26.49	--	31.72	958.88	--	--
MWM16-31	981.08	22.45	--	33.56	958.63	--	--
MWM16-37	980.37	22.14	--	35.21	958.23	--	--
M-31/M-32							
MWM31-02	983.64	25.96	--	37.65	957.68	--	--
MWM32-01	983.64	26.41	--	35.02	957.23	--	--
Montcalm							
INJ-01-17	965.12	7.39	--	30.55	957.73	--	--
INJ-02-18	966.27	9.76	--	37.60	956.51	--	--
MW-03-17	964.77	6.28	--	21.89	958.49	--	--
MW-04-17	965.18	7.46	--	24.85	957.72	--	--
TW-MD-01	946.20	7.04	--	10.32	939.16	--	--
TW-MD-02	945.98	8.01	--	12.44	937.97	--	--
TW-MD-03	946.60	7.27	--	11.91	939.33	--	--
TW-MD-04	946.98	7.88	--	13.60	939.10	--	--
TW-MD-05	946.71	7.42	--	13.35	939.29	--	--
TW-MD-06	947.08	7.17	--	16.82	939.91	--	--
TW-MD-07	947.08	5.96	--	14.80	941.12	--	--
MWW1-15	951.37	10.67	--	18.39	940.70	--	--
Former Fiero Parking Lot							
PZF17-01	963.37	10.73	--	16.48	952.64	--	--
PZF17-02	977.43	23.33	--	31.50	954.10	--	--
PZF17-03	967.04	15.74	--	22.62	951.30	--	--
PZF17-04	972.47	19.44	--	28.90	953.03	--	--
PZF17-05	975.97	25.82	--	34.00	950.15	--	--
Duck Pond							
MWOS-05	944.26	1.76	--	11.10	942.50	--	--
SWDF-1	947.97	7.23	--	17.85	940.74	--	--
SWDF-2	948.38	8.11	--	13.74	940.27	--	--
MWDP-1R	947.41	6.39	--	14.95	941.02	--	--
MWDP-2R	947.90	5.96	--	14.65	941.94	--	--
MWDP-3R	948.13	5.36	--	15.02	942.77	--	--
MWDP-04	949.06	8.09	--	14.46	940.97	--	--
MWDP-05	944.35	3.44	--	9.84	940.91	--	--

Notes:

Water levels collected on October 7 - 10, 2019.

Abbreviations:

--	Not available
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
2019 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	MDEQ 2017 Res GW VIA RIALs	Units	INJ-01-17 10/08/19 INJ-01-17_GW-100819	INJ-02-18 10/08/19 INJ-02-18_GW-100819	MW-01-17 10/08/19 MW-01-17_GW-100819	MW-02-17 10/07/19 MW-02-17_GW-100719	MW-03-17 10/09/19 MW-03-17_GW-100919	MW-04-17 10/08/19 MW-04-17_GW-100819	MW-05-18 10/07/19 MW-05-18_GW-100719
Field Parameters															
pH	6.5-8.5 (E)	6.5-8.5 (E)	6.5-9.0	--	--	--	--	SU	7.09	7.47	7.34	7.09	7.08	7.12	7.12
Turbidity	--	--	--	--	--	--	--	NTU	7.91	120	0.49	1.20	0.02	0.02	0.02
PCBs															
Aroclor-1016	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Aroclor-1221	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Aroclor-1232	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Aroclor-1242	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Aroclor-1248	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Aroclor-1254	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Aroclor-1260	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Total PCBs	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	0.0001 U [0.0001 U]	0.0001 U	NA	NA	NA	0.0001 U	NA
Volatile Organics															
Acetone	0.73	2.1	1.7	--	1,000,000	1,000,000	12,000	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
Benzene	0.005	0.005	0.2	--	5.6	35	0.014	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
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
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
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
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
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
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
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
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
Chlorobenzene	0.1	0.1	0.025	--	210	470	0.54	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
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
Chloroethane	0.43	1.7	1.1	--	5,700	5,700	6.7	mg/L	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	0.0076	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
Chloromethane	0.26	1.1	--	--	8.6	45	0.16	mg/L	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
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
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
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
1,3-Dichlorobenzene	0.0066	0.019	0.028	--	18	41	0.052	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
1,4-Dichlorobenzene	0.075	0.075	0.017	--	16	74	0.12	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
1,1-Dichloroethane	0.88	2.5	0.74	--	1,000	2,300	0.067	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.002	0.001 U	0.001 U	0.009
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
1,1-Dichloroethene	0.007	0.007	0.13	--	0.2	1.3	0.17	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
cis-1,2-Dichloroethene	0.07	0.07	0.62	--	93	210	0.048	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.013
trans-1,2-Dichloroethene	0.1	0.1	1.5	--	85	200	0.65	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
Dichloromethane	0.005	0.005	1.5	--	220	1,400	3.9	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
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
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
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
Ethylbenzene*	0.074 (E)	0.074 (E)	0.018	0.7	110	170	0.045	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
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
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
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
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
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
Methyl tert-butyl ether*	0.04 (E)	0.04 (E)	7.1	0.69	47,000	47,000	4	mg/L	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
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
Tetrachloroethene	0.005	0.005	0.06	--	25	170	0.096	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.01	0.001 U	0.001 U	0.001 U
Toluene*	0.79 (E)	0.79 (E)	0.27	1	530	530	23	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
1,2,4-Trichlorobenzene	0.07	0.07	0.099	--	300	300	0.095	mg/L	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	0.089	0.089	--	660	1,300	8.6	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.007	0.001 U	0.001 U	0.008
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
Trichloroethene	0.005	0.005	0.2	--	2.2	4.9	0.0061	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.004	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
Vinyl Chloride	0.002	0.002	0.013	--	1.1	13	0.00096 (M)	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
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
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
Total Xylenes*	0.28 (E)	0.28 (E)	0.49	10	190	190	1.2	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

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	MDEQ 2017 Res GW VIA RIALS	Units	INJ-01-17 10/08/19 INJ-01-17_GW-100819	INJ-02-18 10/08/19 INJ-02-18_GW-100819	MW-01-17 10/08/19 MW-01-17_GW-100819	MW-02-17 10/07/19 MW-02-17_GW-100719	MW-03-17 10/09/19 MW-03-17_GW-100919	MW-04-17 10/08/19 MW-04-17_GW-100819	MW-05-18 10/07/19 MW-05-18_GW-100719
Volatile Organics-SIM															
1,4-Dioxane	0.0072	0.35	0.28	--	--	--	--	mg/L	NA	NA	0.001 U	0.029	NA	NA	0.004
Inorganics															
Antimony	0.006	0.006	0.13	--	--	--	--	mg/L	0.005 U [0.005 U]	NA	NA	NA	0.005 U	0.005 U	NA
Arsenic	0.01	0.01	0.01	--	--	--	--	mg/L	0.003 [0.003]	NA	NA	NA	0.002 U	0.007	NA
Barium	2	2	0.67	--	--	--	--	mg/L	0.168 [0.17]	NA	NA	NA	0.112	0.179	NA
Beryllium	0.004	0.004	0.0067	--	--	--	--	mg/L	0.001 U [0.001 U]	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	0.0005 U	0.0005 U	NA
Calcium	--	--	--	--	--	--	--	mg/L	81.1 [84.6]	85.6	NA	NA	90.0	84.1	NA
Chromium	0.1	0.1	0.011	--	--	--	--	mg/L	0.005 U [0.005 U]	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	0.005 U	0.005 U	NA
Copper*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	0.005 U [0.005 U]	NA	NA	NA	0.005 U	0.005 U	NA
Iron*	0.3 (E)	0.3 (E)	--	5.6	--	--	--	mg/L	5.40 [5.40]	20.9	NA	NA	0.42	6.00	NA
Lead	0.004	0.004	0.014	--	--	--	--	mg/L	0.003 U [0.003 U]	NA	NA	NA	0.003 U	0.003 U	NA
Magnesium	400	1,100	--	--	--	--	--	mg/L	24.1 [24.6]	25.8	NA	NA	24.0	24.7	NA
Manganese*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	0.324 [0.331]	NA	NA	NA	0.840	0.597	NA
Mercury	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	0.0002 U [0.0002 U]	NA	NA	NA	0.0002 U	0.0002 U	NA
Nickel	0.1	0.1	0.073	--	--	--	--	mg/L	0.005 U [0.005 U]	NA	NA	NA	0.005 U	0.005 U	NA
Selenium	0.05	0.05	0.005	--	--	--	--	mg/L	0.005 U [0.005 U]	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	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	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	0.005 U	0.005 U	NA
Zinc	2.4	5 (E)	0.17	--	--	--	--	mg/L	0.007 [0.008]	NA	NA	NA	0.005 U	0.005 U	NA
Inorganics-Filtered															
Antimony (dissolved)	0.006	0.006	0.13	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Arsenic (dissolved)	0.01	0.01	0.01	--	--	--	--	mg/L	NA	0.002 Uf	NA	NA	NA	NA	NA
Barium (dissolved)	2	2	0.67	--	--	--	--	mg/L	NA	0.140 f	NA	NA	NA	NA	NA
Beryllium (dissolved)	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	0.001 Uf	NA	NA	NA	NA	NA
Cadmium (dissolved)	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	0.0005 Uf	NA	NA	NA	NA	NA
Chromium (dissolved)	0.1	0.1	0.011	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Cobalt (dissolved)	0.04	0.1	0.1	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Copper (dissolved)*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Lead (dissolved)	0.004	0.004	0.014	--	--	--	--	mg/L	NA	0.003 Uf	NA	NA	NA	NA	NA
Manganese (dissolved)*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	0.356 f	NA	NA	NA	NA	NA
Mercury (dissolved)	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	0.0002 Uf	NA	NA	NA	NA	NA
Nickel (dissolved)	0.1	0.1	0.073	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Selenium (dissolved)	0.05	0.05	0.005	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Silver (dissolved)	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	0.0005 Uf	NA	NA	NA	NA	NA
Thallium (dissolved)	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	0.002 Uf	NA	NA	NA	NA	NA
Vanadium (dissolved)	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Zinc (dissolved)	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA	NA
Miscellaneous															
Alkalinity, total (as CaCO3)	--	--	--	--	--	--	--	mg/L	394 [404]	392	NA	NA	388	398	NA
Hardness	--	--	--	--	--	--	--	mg/L	227 [231]	222	NA	NA	247	230	NA
Total Dissolved Solids	500 (E)	500 (E)	500	--	--	--	--	mg/L	844 [844]	903	NA	NA	850	884	NA
Total Suspended Solids	--	--	--	--	--	--	--	mg/L	14 [14]	52	NA	NA	3 U	12	NA

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2019 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	MDEQ 2017 Res GW VIA RIALs	Units	MW-40-99 10/09/19 MW-40-99_GW-100919	MW-40-99 10/11/19 MW-40-99_GW-101119	MWF7-02 10/07/19 MWF7-02_GW-100719	MWF8-01 10/07/19 MWF8-01_GW-100719	MWF12-02 10/07/19 MWF12-02_GW-100719	MWF16-06 10/07/19 MWF16-06_GW-100719	MWF16-23 10/07/19 MWF16-23_GW-100719
Field Parameters															
pH	6.5-8.5 (E)	6.5-8.5 (E)	6.5-9.0	--	--	--	--	SU	7.02	7.01	7.12	6.90	7.27	7.65	7.04
Turbidity	--	--	--	--	--	--	--	NTU	8.98	8.64	1.60	0.02	3.60	4.22	2.73
PCBs															
Aroclor-1016	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	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
Aroclor-1232	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	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
Aroclor-1248	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	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
Aroclor-1260	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	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
Volatile Organics															
Acetone	0.73	2.1	1.7	--	1,000,000	1,000,000	12,000	mg/L	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	0.014	mg/L	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	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	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	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	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	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	0.001 U	0.001 U	0.013	0.001 U
CFC-11	2.6	7.3	--	--	1,100	1,100	--	mg/L	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	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.1	0.1	0.025	--	210	470	0.54	mg/L	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	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.43	1.7	1.1	--	5,700	5,700	6.7	mg/L	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	0.0076	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.034	0.001 U
Chloromethane	0.26	1.1	--	--	8.6	45	0.16	mg/L	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	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	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	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	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	--	18	41	0.052	mg/L	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	0.12	mg/L	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	0.067	mg/L	0.001 U	NA	0.038	0.001 U	0.002	0.067	0.006
1,2-Dichloroethane	0.005	0.005	0.36	--	9.6	59	--	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	--	0.2	1.3	0.17	mg/L	0.001 U	NA	0.01	0.001 U	0.001 U	0.012	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	--	93	210	0.048	mg/L	0.001 U	NA	0.003	0.001 U	0.001 U	0.017	0.021
trans-1,2-Dichloroethene	0.1	0.1	1.5	--	85	200	0.65	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.003
Dichloromethane	0.005	0.005	1.5	--	220	1,400	3.9	mg/L	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	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 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 U	0.001 U	0.001 U
Ethylbenzene*	0.074 (E)	0.074 (E)	0.018	0.7	110	170	0.045	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	--	--	--	--	--	--	--	mg/L	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	0.05 U	0.05 U	0.05 U	0.05 U
Methylcyclohexane	--	--	--	--	--	--	--	mg/L	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	0.05 U	0.05 U	0.05 U	0.05 U
Methyl tert-butyl ether*	0.04 (E)	0.04 (E)	7.1	0.69	47,000	47,000	4	mg/L	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	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	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	0.005	0.005	0.06	--	25	170	0.096	mg/L	0.001 U	NA	0.054	0.001 U	0.001 U	0.076	0.001 U
Toluene*	0.79 (E)	0.79 (E)	0.27	1	530	530	23	mg/L	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	0.095	mg/L	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	8.6	mg/L	0.001 U	NA	0.06	0.001 U	0.001	0.164	0.009
1,1,2-Trichloroethane	0.005	0.005	0.33	--	17	110	--	mg/L	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	0.0061	mg/L	0.001 U	NA	0.003	0.001 U	0.001 U	0.012	0.02
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	--	170	170	--	mg/L	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	0.00096 (M)	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
m&p-Xylene	--	--	--	--	--	--	--	mg/L	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
o-Xylene	--	--	--	--	--	--	--	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes*	0.28 (E)	0.28 (E)	0.49	10	190	190	1.2	mg/L	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
2019 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	MDEQ 2017 Res GW VIA RIALs	Units	MW-40-99 10/09/19 MW-40-99_GW-100919	MW-40-99 10/11/19 MW-40-99_GW-101119	MWF7-02 10/07/19 MWF7-02_GW-100719	MWF8-01 10/07/19 MWF8-01_GW-100719	MWF12-02 10/07/19 MWF12-02_GW-100719	MWF16-06 10/07/19 MWF16-06_GW-100719	MWF16-23 10/07/19 MWF16-23_GW-100719
Volatile Organics-SIM															
1,4-Dioxane	0.0072	0.35	0.28	--	--	--	--	mg/L	0.011	NA	0.300 Y	NA	NA	0.029	0.001 U
Inorganics															
Antimony	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.01	0.01	0.01	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron*	0.3 (E)	0.3 (E)	--	5.6	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	400	1,100	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	NA	NA	NA	0.330	NA	NA
Mercury	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered															
Antimony (dissolved)	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	0.01	0.01	0.01	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium (dissolved)	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
Alkalinity, total (as CaCO3)	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Hardness	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	500 (E)	500 (E)	500	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA

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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	MDEQ 2017 Res GW VIA RIALs	Units	MWF16-25 10/07/19 MWF16-25_GW-100719	MWM16-02 10/10/19 MWM16-02_GW-101019	MWM16-30 10/10/19 MWM16-30_GW-101019	MWM16-31 10/10/19 MWM16-31_GW-101019	MWM16-37 10/10/19 MWM16-37_GW-101019	MWM31-02 10/10/19 MWM31-02_GW-101019	MWM32-01 10/10/19 MWM32-01_GW-101019
Field Parameters															
pH	6.5-8.5 (E)	6.5-8.5 (E)	6.5-9.0	--	--	--	--	SU	7.22	7.11	6.86	7.27	7.17	6.94	6.76
Turbidity	--	--	--	--	--	--	--	NTU	1.45	4.50	0.02	0.02	7.22	6.81	7.61
PCBs															
Aroclor-1016	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	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
Aroclor-1232	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	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
Aroclor-1248	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	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
Aroclor-1260	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	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
Volatile Organics															
Acetone	0.73	2.1	1.7	--	1,000,000	1,000,000	12,000	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
Benzene	0.005	0.005	0.2	--	5.6	35	0.014	mg/L	0.001 U	0.001 U	0.001 U	0.001 [0.001]	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
Bromoforn	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
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
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
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
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
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
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
Chlorobenzene	0.1	0.1	0.025	--	210	470	0.54	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
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
Chloroethane	0.43	1.7	1.1	--	5,700	5,700	6.7	mg/L	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	0.0076	mg/L	0.005	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	0.16	mg/L	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
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
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
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
1,3-Dichlorobenzene	0.0066	0.019	0.028	--	18	41	0.052	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
1,4-Dichlorobenzene	0.075	0.075	0.017	--	16	74	0.12	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
1,1-Dichloroethane	0.88	2.5	0.74	--	1,000	2,300	0.067	mg/L	0.004	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
1,1-Dichloroethene	0.007	0.007	0.13	--	0.2	1.3	0.17	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
cis-1,2-Dichloroethene	0.07	0.07	0.62	--	93	210	0.048	mg/L	0.008	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	0.65	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
Dichloromethane	0.005	0.005	1.5	--	220	1,400	3.9	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
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
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
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
Ethylbenzene*	0.074 (E)	0.074 (E)	0.018	0.7	110	170	0.045	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
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
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
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
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
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
Methyl tert-butyl ether*	0.04 (E)	0.04 (E)	7.1	0.69	47,000	47,000	4	mg/L	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
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
Tetrachloroethene	0.005	0.005	0.06	--	25	170	0.096	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
Toluene*	0.79 (E)	0.79 (E)	0.27	1	530	530	23	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
1,2,4-Trichlorobenzene	0.07	0.07	0.099	--	300	300	0.095	mg/L	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	8.6	mg/L	0.004	0.001	0.006	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
Trichloroethene	0.005	0.005	0.2	--	2.2	4.9	0.0061	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
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
Vinyl Chloride	0.002	0.002	0.013	--	1.1	13	0.00096 (M)	mg/L	0.001 U	0.001 U	0.001 U	0.002 [0.002]	0.002	0.001 U	0.001 U
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
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
Total Xylenes*	0.28 (E)	0.28 (E)	0.49	10	190	190	1.2	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

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	MDEQ 2017 Res GW VIA RIALs	Units	MWF16-25 10/07/19 MWF16-25_GW-100719	MWM16-02 10/10/19 MWM16-02_GW-101019	MWM16-30 10/10/19 MWM16-30_GW-101019	MWM16-31 10/10/19 MWM16-31_GW-101019	MWM16-37 10/10/19 MWM16-37_GW-101019	MWM31-02 10/10/19 MWM31-02_GW-101019	MWM32-01 10/10/19 MWM32-01_GW-101019
Volatile Organics-SIM															
1,4-Dioxane	0.0072	0.35	0.28	--	--	--	--	mg/L	0.004	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.01	0.01	0.01	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Calcium	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Iron*	0.3 (E)	0.3 (E)	--	5.6	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Magnesium	400	1,100	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	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
Nickel	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered															
Antimony (dissolved)	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	0.01	0.01	0.01	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium (dissolved)	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
Alkalinity, total (as CaCO3)	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Hardness	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	500 (E)	500 (E)	500	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	--	--	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2019 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	MDEQ 2017 Res GW VIA RIALs	Units	MWOS-01 10/07/19 MWOS-01_GW-100719	MWOS-05 10/10/19 MWOS-05_GW-101019	MWW1-04 10/07/19 MWW1-04_GW-100719	MWW1-15 10/08/19 MWW1-15_GW-100819	MWW01-SEN03 10/10/19 MWW01-SEN03_GW-101019	MWW01-SEN04 10/09/19 MWW01-SEN04_GW-100919
Field Parameters														
pH	6.5-8.5 (E)	6.5-8.5 (E)	6.5-9.0	--	--	--	--	SU	7.08	6.85	11.31	7.70	7.08	6.97
Turbidity	--	--	--	--	--	--	--	NTU	102	1.05	4.11	2.97	185	174
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	0.002 UY
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	0.002 UY
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	0.002 UY
Aroclor-1242	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	NA	0.0002	0.0001 U	0.0001 U	0.002 UY
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	0.015 Y
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	0.002 UY
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	0.002 UY
Total PCBs	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	NA	0.0002	0.0001 U	0.0001 U	0.015 Y
Volatile Organics														
Acetone	0.73	2.1	1.7	--	1,000,000	1,000,000	12,000	mg/L	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	0.005	0.005	0.2	--	5.6	35	0.014	mg/L	0.001 U	NA	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	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	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	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	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	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	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	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	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.1	0.1	0.025	--	210	470	0.54	mg/L	0.001 U	NA	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	0.005 U	0.005 U	0.005 U
Chloroethane	0.43	1.7	1.1	--	5,700	5,700	6.7	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.08	0.08	0.35	--	28	180	0.0076	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane	0.26	1.1	--	--	8.6	45	0.16	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Cyclohexane	--	--	--	--	--	--	--	mg/L	0.001 U	NA	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	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	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	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	--	18	41	0.052	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	--	16	74	0.12	mg/L	0.001 U	NA	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	0.067	mg/L	0.001 U	NA	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	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	--	0.2	1.3	0.17	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	--	93	210	0.048	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	--	85	200	0.65	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Dichloromethane	0.005	0.005	1.5	--	220	1,400	3.9	mg/L	0.005 U	NA	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	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	mg/L	0.001 U	NA	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 U	0.001 U
Ethylbenzene*	0.074 (E)	0.074 (E)	0.018	0.7	110	170	0.045	mg/L	0.001 U	NA	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	0.001 U	0.001 U	0.001 U
Methyl acetate	--	--	--	--	--	--	--	mg/L	0.01 U	NA	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	0.05 U	0.05 U	0.05 U
Methylcyclohexane	--	--	--	--	--	--	--	mg/L	0.001 U	NA	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	0.05 U	0.05 U	0.05 U
Methyl tert-butyl ether*	0.04 (E)	0.04 (E)	7.1	0.69	47,000	47,000	4	mg/L	0.005 U	NA	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	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	0.001 U	0.001 U	0.001 U
Tetrachloroethene	0.005	0.005	0.06	--	25	170	0.096	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Toluene*	0.79 (E)	0.79 (E)	0.27	1	530	530	23	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	--	300	300	0.095	mg/L	0.005 U	NA	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	8.6	mg/L	0.001 U	NA	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	0.001 U	0.001 U	0.001 U
Trichloroethene	0.005	0.005	0.2	--	2.2	4.9	0.0061	mg/L	0.001 U	NA	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	0.001 U	0.001 U	0.001 U
Vinyl Chloride	0.002	0.002	0.013	--	1.1	13	0.00096 (M)	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
m&p-Xylene	--	--	--	--	--	--	--	mg/L	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U
o-Xylene	--	--	--	--	--	--	--	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes*	0.28 (E)	0.28 (E)	0.49	10	190	190	1.2	mg/L	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U

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	MDEQ 2017 Res GW VIA RIALs	Units	MWOS-01 10/07/19 MWOS-01_GW-100719	MWOS-05 10/10/19 MWOS-05_GW-101019	MWW1-04 10/07/19 MWW1-04_GW-100719	MWW1-15 10/08/19 MWW1-15_GW-100819	MWW01-SEN03 10/10/19 MWW01-SEN03_GW-101019	MWW01-SEN04 10/09/19 MWW01-SEN04_GW-100919
Volatile Organics-SIM														
1,4-Dioxane	0.0072	0.35	0.28	--	--	--	--	mg/L	NA	NA	0.001 U	NA	0.001 U	NA
Inorganics														
Antimony	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	0.005 U	0.005 U	0.005 U	0.005
Arsenic	0.01	0.01	0.01	--	--	--	--	mg/L	NA	0.005	NA	0.002	0.002	0.020
Barium	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	0.116	0.083	0.424
Beryllium	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	0.001 U	0.001 U	0.002
Cadmium	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	0.0005 U	0.0005 U	0.0010
Calcium	--	--	--	--	--	--	--	mg/L	NA	NA	NA	53.3	147	290
Chromium	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	0.005 U	0.005 U	0.190
Cobalt	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	0.005 U	0.005 U	0.013
Copper*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	0.005 U	0.005 U	0.174
Iron*	0.3 (E)	0.3 (E)	--	5.6	--	--	--	mg/L	NA	NA	NA	5.04	1.02	100
Lead	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	0.003 U	0.003 U	1.70
Magnesium	400	1,100	--	--	--	--	--	mg/L	NA	NA	NA	29.0	25.4	39.4
Manganese*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	NA	NA	0.207	0.279	2.52
Mercury	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	NA	NA	0.0002 U	0.0002 U	0.0004
Nickel	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	0.005 U	0.005 U	0.111
Selenium	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	0.005 U	0.005 U	0.005 U
Silver	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U
Thallium	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	0.002 U	0.002 U	0.002 U
Vanadium	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	0.008	0.005 U	0.005 U	0.062
Zinc	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	0.005 U	0.005 U	0.191
Inorganics-Filtered														
Antimony (dissolved)	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	0.01	0.01	0.01	--	--	--	--	mg/L	NA	0.005	NA	NA	NA	NA
Barium (dissolved)	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Chromium (dissolved)	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Copper (dissolved)*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Lead (dissolved)	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Manganese (dissolved)*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Silver (dissolved)	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA
Miscellaneous														
Alkalinity, total (as CaCO3)	--	--	--	--	--	--	--	mg/L	NA	NA	NA	416	416	386
Hardness	--	--	--	--	--	--	--	mg/L	NA	NA	NA	147	405	278
Total Dissolved Solids	500 (E)	500 (E)	500	--	--	--	--	mg/L	NA	NA	NA	724	704	1,000
Total Suspended Solids	--	--	--	--	--	--	--	mg/L	NA	NA	NA	4	3 U	2,140

See Notes on last page.

Table 2
Summary of Groundwater Analytical Results
2019 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	MDEQ 2017 Res GW VIA RIALs	Units	MWW5-01 10/09/19 MWW5-01_GW-100919	MWW10-03 10/10/19 MWW10-03_GW-101019	MWW10-SEN02 10/08/19 MWW10-SEN02_GW-100819	SUMP 10/10/19 SUMP_GW-101019	TW-09-01 10/09/19 TW-09-01_GW-100919	TW-10-02 10/09/19 TW-10-02_GW-100919	TW-MD-01 10/08/19 TW-MD-01_GW-100819
Field Parameters															
pH	6.5-8.5 (E)	6.5-8.5 (E)	6.5-9.0	--	--	--	--	SU	7.16	6.68	6.96	6.89	7.47	6.60	7.14
Turbidity	--	--	--	--	--	--	--	NTU	9.09	2.40	7.22	19.5	0.02	0.02	0.41
PCBs															
Aroclor-1016	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Aroclor-1221	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Aroclor-1232	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Aroclor-1242	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Aroclor-1248	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Aroclor-1254	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Aroclor-1260	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Total PCBs	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	NA	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NA	0.0001 U
Volatile Organics															
Acetone	0.73	2.1	1.7	--	1,000,000	1,000,000	12,000	mg/L	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	0.05 U
Benzene	0.005	0.005	0.2	--	5.6	35	0.014	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Bromodichloromethane	0.08	0.08	--	--	4.8	37	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Bromoform	0.08	0.08	--	--	470	3,100	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Bromomethane	0.01	0.029	0.005	--	4	9	--	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
2-Butanone	13	38	2.2	--	240,000	240,000	--	mg/L	NA	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U
Carbon Disulfide	0.8	2.3	--	--	250	550	--	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Carbon Tetrachloride	0.005	0.005	0.038	--	0.37	2.4	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
CFC-11	2.6	7.3	--	--	1,100	1,100	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
CFC-12	1.7	4.8	--	--	220	300	--	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Chlorobenzene	0.1	0.1	0.025	--	210	470	0.54	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Chlorodibromomethane	0.08	0.08	--	--	14	110	--	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Chloroethane	0.43	1.7	1.1	--	5,700	5,700	6.7	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Chloroform	0.08	0.08	0.35	--	28	180	0.0076	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Chloromethane	0.26	1.1	--	--	8.6	45	0.16	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Cyclohexane	--	--	--	--	--	--	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dibromo-3-chloropropane	0.0002	0.0002	--	--	0.22	1.2	--	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
1,2-Dibromoethane	0.00005	0.00005	0.0057	--	2.4	15	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dichlorobenzene	0.6	0.6	0.013	--	160	160	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,3-Dichlorobenzene	0.0066	0.019	0.028	--	18	41	0.052	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,4-Dichlorobenzene	0.075	0.075	0.017	--	16	74	0.12	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1-Dichloroethane	0.88	2.5	0.74	--	1,000	2,300	0.067	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2-Dichloroethane	0.005	0.005	0.36	--	9.6	59	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1-Dichloroethene	0.007	0.007	0.13	--	0.2	1.3	0.17	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
cis-1,2-Dichloroethene	0.07	0.07	0.62	--	93	210	0.048	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
trans-1,2-Dichloroethene	0.1	0.1	1.5	--	85	200	0.65	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Dichloromethane	0.005	0.005	1.5	--	220	1,400	3.9	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
1,2-Dichloropropane	0.005	0.005	0.23	--	16	36	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Ethylbenzene*	0.074 (E)	0.074 (E)	0.018	0.7	110	170	0.045	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Isopropylbenzene	0.8	2.3	0.028	--	56	56	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Methyl acetate	--	--	--	--	--	--	--	mg/L	NA	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U
Methyl N-Butyl Ketone	1	2.9	--	--	4,200	8,700	--	mg/L	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	0.05 U
Methylcyclohexane	--	--	--	--	--	--	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
4-Methyl-2-pentanone	1.8	5.2	--	--	20,000	20,000	--	mg/L	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	0.05 U
Methyl tert-butyl ether*	0.04 (E)	0.04 (E)	7.1	0.69	47,000	47,000	4	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Styrene	0.1	0.1	0.08	--	170	310	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1,2,2-Tetrachloroethane	0.0085	0.035	0.078	--	12	77	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Tetrachloroethene	0.005	0.005	0.06	--	25	170	0.096	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Toluene*	0.79 (E)	0.79 (E)	0.27	1	530	530	23	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,2,4-Trichlorobenzene	0.07	0.07	0.099	--	300	300	0.095	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
1,1,1-Trichloroethane	0.2	0.2	0.089	--	660	1,300	8.6	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1,2-Trichloroethane	0.005	0.005	0.33	--	17	110	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Trichloroethene	0.005	0.005	0.2	--	2.2	4.9	0.0061	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	170	170	0.032	--	170	170	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Vinyl Chloride	0.002	0.002	0.013	--	1.1	13	0.00096 (M)	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
m&p-Xylene	--	--	--	--	--	--	--	mg/L	NA	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U
o-Xylene	--	--	--	--	--	--	--	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
Total Xylenes*	0.28 (E)	0.28 (E)	0.49	10	190	190	1.2	mg/L	NA	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U

See Notes on last page.

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RACER Trust Pontiac North Campus

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Volatile Organics-SIM															
1,4-Dioxane	0.0072	0.35	0.28	--	--	--	--	mg/L	NA	NA	0.009	NA	NA	0.09 [0.12]	0.006
Inorganics															
Antimony	0.006	0.006	0.13	--	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U
Arsenic	0.01	0.01	0.01	--	--	--	--	mg/L	0.014	NA	0.009	0.004	0.017	NA	0.002
Barium	2	2	0.67	--	--	--	--	mg/L	0.190	NA	0.137	0.184	0.186	NA	0.110
Beryllium	0.004	0.004	0.0067	--	--	--	--	mg/L	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U
Cadmium	0.005	0.005	0.0025	--	--	--	--	mg/L	0.0012	NA	0.0005 U	0.0005 U	0.0005 U	NA	0.0005 U
Calcium	--	--	--	--	--	--	--	mg/L	226	NA	180	83.2	101	NA	103
Chromium	0.1	0.1	0.011	--	--	--	--	mg/L	0.005 U	NA	0.096	0.005 U	0.005 U	NA	0.005 U
Cobalt	0.04	0.1	0.1	--	--	--	--	mg/L	0.012	NA	0.008	0.005 U	0.005 U	NA	0.005 U
Copper*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	0.078	NA	0.058	0.005 U	0.005 U	NA	0.005 U
Iron*	0.3 (E)	0.3 (E)	--	5.6	--	--	--	mg/L	15.0	NA	20.6	9.61	0.55	NA	7.05
Lead	0.004	0.004	0.014	--	--	--	--	mg/L	0.007	0.011	0.009	0.003 U	0.003 U	NA	0.003 U
Magnesium	400	1,100	--	--	--	--	--	mg/L	30.6	NA	38.6	25.3	12.1	NA	25.1
Manganese*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	4.27	0.408	0.294	0.360	0.133	NA	0.867
Mercury	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U
Nickel	0.1	0.1	0.073	--	--	--	--	mg/L	0.014	NA	0.105	0.005 U	0.005 U	NA	0.005 U
Selenium	0.05	0.05	0.005	--	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U
Silver	0.034	0.098	0.0002	--	--	--	--	mg/L	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U	NA	0.0007
Thallium	0.002	0.002	0.0037	--	--	--	--	mg/L	0.002 U	NA	0.002 U	0.002 U	0.002 U	NA	0.002 U
Vanadium	0.0045	0.062	0.027	--	--	--	--	mg/L	0.014	NA	0.022	0.005 U	0.005 U	NA	0.005 U
Zinc	2.4	5 (E)	0.17	--	--	--	--	mg/L	0.140	NA	0.057	0.005 U	0.005 U	NA	0.005 U
Inorganics-Filtered															
Antimony (dissolved)	0.006	0.006	0.13	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	0.01	0.01	0.01	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	2	2	0.67	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium (dissolved)	0.1	0.1	0.011	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	0.04	0.1	0.1	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	0.004	0.004	0.014	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	0.1	0.1	0.073	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	0.05	0.05	0.005	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
Alkalinity, total (as CaCO3)	--	--	--	--	--	--	--	mg/L	436	NA	696	408	520	NA	470
Hardness	--	--	--	--	--	--	--	mg/L	594	NA	262	226	261	NA	271
Total Dissolved Solids	500 (E)	500 (E)	500	--	--	--	--	mg/L	926	NA	1,280	868	1,230	NA	680
Total Suspended Solids	--	--	--	--	--	--	--	mg/L	NA	NA	602	22	3 U	NA	16

See Notes on last page.

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Field Parameters														
pH	6.5-8.5 (E)	6.5-8.5 (E)	6.5-9.0	--	--	--	--	SU	7.25	7.33	7.12	7.25	7.16	7.06
Turbidity	--	--	--	--	--	--	--	NTU	1.01	47.1	2.76	1.21	4.02	2.96
PCBs														
Aroclor-1016	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	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	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	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	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	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0002	0.0001 U
Aroclor-1254	0.0005	0.0005	0.0002	--	0.045	0.045	--	mg/L	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	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	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0002	0.0001 U
Volatile Organics														
Acetone	0.73	2.1	1.7	--	1,000,000	1,000,000	12,000	mg/L	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	0.014	mg/L	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
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
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
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
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
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
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
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
Chlorobenzene	0.1	0.1	0.025	--	210	470	0.54	mg/L	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
Chloroethane	0.43	1.7	1.1	--	5,700	5,700	6.7	mg/L	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	0.0076	mg/L	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	0.16	mg/L	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
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
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
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
1,3-Dichlorobenzene	0.0066	0.019	0.028	--	18	41	0.052	mg/L	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	0.12	mg/L	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	0.067	mg/L	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
1,1-Dichloroethene	0.007	0.007	0.13	--	0.2	1.3	0.17	mg/L	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	0.048	mg/L	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	0.65	mg/L	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	3.9	mg/L	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
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	mg/L	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
Ethylbenzene*	0.074 (E)	0.074 (E)	0.018	0.7	110	170	0.045	mg/L	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
Methyl acetate	--	--	--	--	--	--	--	mg/L	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
Methylcyclohexane	--	--	--	--	--	--	--	mg/L	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
Methyl tert-butyl ether*	0.04 (E)	0.04 (E)	7.1	0.69	47,000	47,000	4	mg/L	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
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
Tetrachloroethene	0.005	0.005	0.06	--	25	170	0.096	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene*	0.79 (E)	0.79 (E)	0.27	1	530	530	23	mg/L	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	0.095	mg/L	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	8.6	mg/L	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
Trichloroethene	0.005	0.005	0.2	--	2.2	4.9	0.0061	mg/L	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
Vinyl Chloride	0.002	0.002	0.013	--	1.1	13	0.00096 (M)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
m&p-Xylene	--	--	--	--	--	--	--	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
o-Xylene	--	--	--	--	--	--	--	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes*	0.28 (E)	0.28 (E)	0.49	10	190	190	1.2	mg/L	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
2019 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	MDEQ 2017 Res GW VIA RIALs	Units	TW-MD-02 10/08/19 TW-MD-02_GW-100819	TW-MD-03 10/08/19 TW-MD-03_GW-100819	TW-MD-04 10/09/19 TW-MD-04_GW-100919	TW-MD-05 10/09/19 TW-MD-05_GW-100919	TW-MD-06 10/09/19 TW-MD-06_GW-100919	TW-MD-07 10/09/19 TW-MD-07_GW-100919
Volatile Organics-SIM														
1,4-Dioxane	0.0072	0.35	0.28	--	--	--	--	mg/L	NA	NA	NA	NA	NA	0.001 U
Inorganics														
Antimony	0.006	0.006	0.13	--	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic	0.01	0.01	0.01	--	--	--	--	mg/L	0.006	NA	0.006	0.005	0.007	0.004
Barium	2	2	0.67	--	--	--	--	mg/L	0.193	NA	0.136	0.104	0.117	0.135
Beryllium	0.004	0.004	0.0067	--	--	--	--	mg/L	0.001 U	NA	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	0.0005 U	0.0005 U	0.0005 U
Calcium	--	--	--	--	--	--	--	mg/L	90.6	61.9	75.5	58.4	89.8	86.5
Chromium	0.1	0.1	0.011	--	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	0.04	0.1	0.1	--	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Copper*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Iron*	0.3 (E)	0.3 (E)	--	5.6	--	--	--	mg/L	11.2	2.03	13.8	13.0	9.57	10.0
Lead	0.004	0.004	0.014	--	--	--	--	mg/L	0.003 U	NA	0.003 U	0.003 U	0.003 U	0.003 U
Magnesium	400	1,100	--	--	--	--	--	mg/L	20.2	20.0	20.7	26.5	27.3	20.4
Manganese*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	0.501	NA	0.571	0.400	0.435	0.378
Mercury	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.1	0.1	0.073	--	--	--	--	mg/L	0.005 U	NA	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	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	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	0.002 U	0.002 U	0.002 U
Vanadium	0.0045	0.062	0.027	--	--	--	--	mg/L	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Zinc	2.4	5 (E)	0.17	--	--	--	--	mg/L	0.008	NA	0.005 U	0.005 U	0.005 U	0.005 U
Inorganics-Filtered														
Antimony (dissolved)	0.006	0.006	0.13	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Arsenic (dissolved)	0.01	0.01	0.01	--	--	--	--	mg/L	NA	0.004 f	NA	NA	NA	NA
Barium (dissolved)	2	2	0.67	--	--	--	--	mg/L	NA	0.126 f	NA	NA	NA	NA
Beryllium (dissolved)	0.004	0.004	0.0067	--	--	--	--	mg/L	NA	0.001 Uf	NA	NA	NA	NA
Cadmium (dissolved)	0.005	0.005	0.0025	--	--	--	--	mg/L	NA	0.0005 Uf	NA	NA	NA	NA
Chromium (dissolved)	0.1	0.1	0.011	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Cobalt (dissolved)	0.04	0.1	0.1	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Copper (dissolved)*	1 (E)	1 (E)	0.013	4	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Lead (dissolved)	0.004	0.004	0.014	--	--	--	--	mg/L	NA	0.003 Uf	NA	NA	NA	NA
Manganese (dissolved)*	0.05 (E)	0.05 (E)	1.3	2.5	--	--	--	mg/L	NA	0.250 f	NA	NA	NA	NA
Mercury (dissolved)	0.002	0.002	0.0000013	--	0.056	0.056	--	mg/L	NA	0.0002 Uf	NA	NA	NA	NA
Nickel (dissolved)	0.1	0.1	0.073	--	--	--	--	mg/L	NA	0.010 f	NA	NA	NA	NA
Selenium (dissolved)	0.05	0.05	0.005	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Silver (dissolved)	0.034	0.098	0.0002	--	--	--	--	mg/L	NA	0.0005 Uf	NA	NA	NA	NA
Thallium (dissolved)	0.002	0.002	0.0037	--	--	--	--	mg/L	NA	0.002 Uf	NA	NA	NA	NA
Vanadium (dissolved)	0.0045	0.062	0.027	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Zinc (dissolved)	2.4	5 (E)	0.17	--	--	--	--	mg/L	NA	0.005 Uf	NA	NA	NA	NA
Miscellaneous														
Alkalinity, total (as CaCO3)	--	--	--	--	--	--	--	mg/L	410	400	372	372	384	410
Hardness	--	--	--	--	--	--	--	mg/L	219	185	201	156	248	225
Total Dissolved Solids	500 (E)	500 (E)	500	--	--	--	--	mg/L	728	780	792	784	884	1,220
Total Suspended Solids	--	--	--	--	--	--	--	mg/L	22	40	30	28	21	21

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 criteria updated June 25, 2018.

Res GW VIA RIASLs are from the Media-Specific Volatilization to Indoor Air Interim Action Screening Levels, August 2017.

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 and/or equal to Michigan Residential Drinking Water.

Orange highlighted values denotes exceedance and/or equal to Non-Residential Drinking Water.

Grey shaded values denotes exceedance and/or equal to Michigan Groundwater Surface Water Interface.

Bold values denotes exceedance and/or equal to Non-Residential Health Based Drinking Water Value.

Values in italics denotes exceedance and/or equal to Residential Groundwater Volatilization to Indoor Air Inhalation.

Values in red type denotes exceedance and/or equal to Non-Residential Groundwater Volatilization to Indoor Air Inhalation.

Bold boxed values denotes exceedance and/or equal to Residential Groundwater Volatilization to Indoor Air Recommended Interim Action Screening Levels.

Duplicate analyses are presented in brackets.

Constituents flagged with an (*) symbol have Residential and Non-Residential Drinking Water criteria which represent aesthetic drinking water values. The Non-Residential Health Based Drinking Water Value associated with these constituents will be utilized for Site comparison as is more applicable.

Abbreviations:

mg/L	Milligrams per liter.
E	Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
f	Filtered and preserved in lab.
M	Qualifier in Draft Res VIA RIASLs: Site-specific criterion may be below target detection limits (TDL).
U	Compound was analyzed for but not detected. The associated value is the compound quantitation limit.
Y	Elevated reporting limit due to high target concentrations.
NA	Not analyzed.

APPENDIX A

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 where 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 Modification 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
REMEDATION 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

Fax: 519.996.3894

Cell: 519.965.9000

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]

APPENDIX B

2018 GMP Request and USEPA Approval

MEMO

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.

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
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.

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
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.

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
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

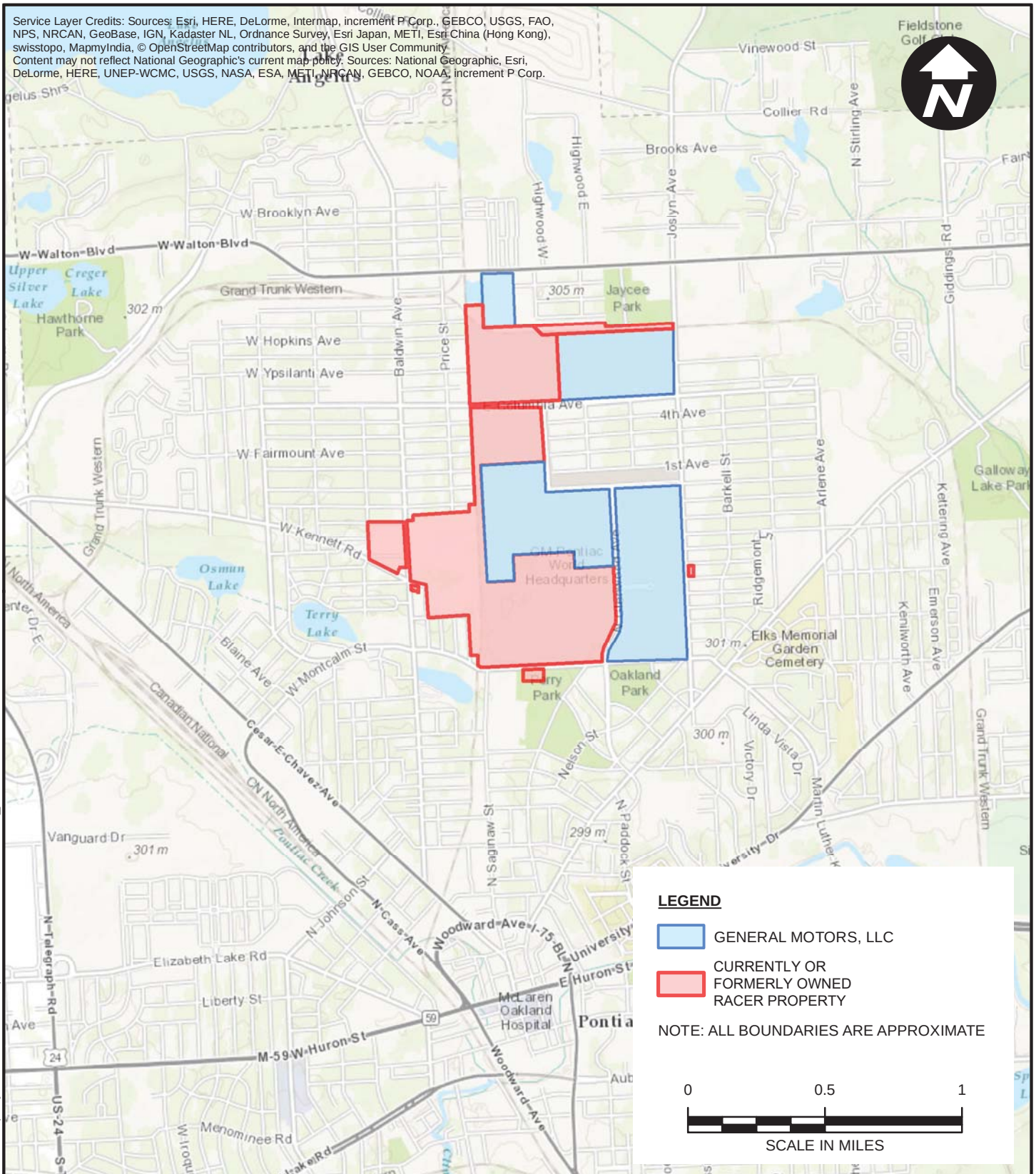
Footnotes:

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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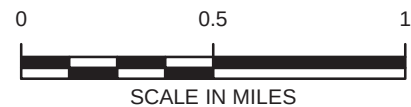


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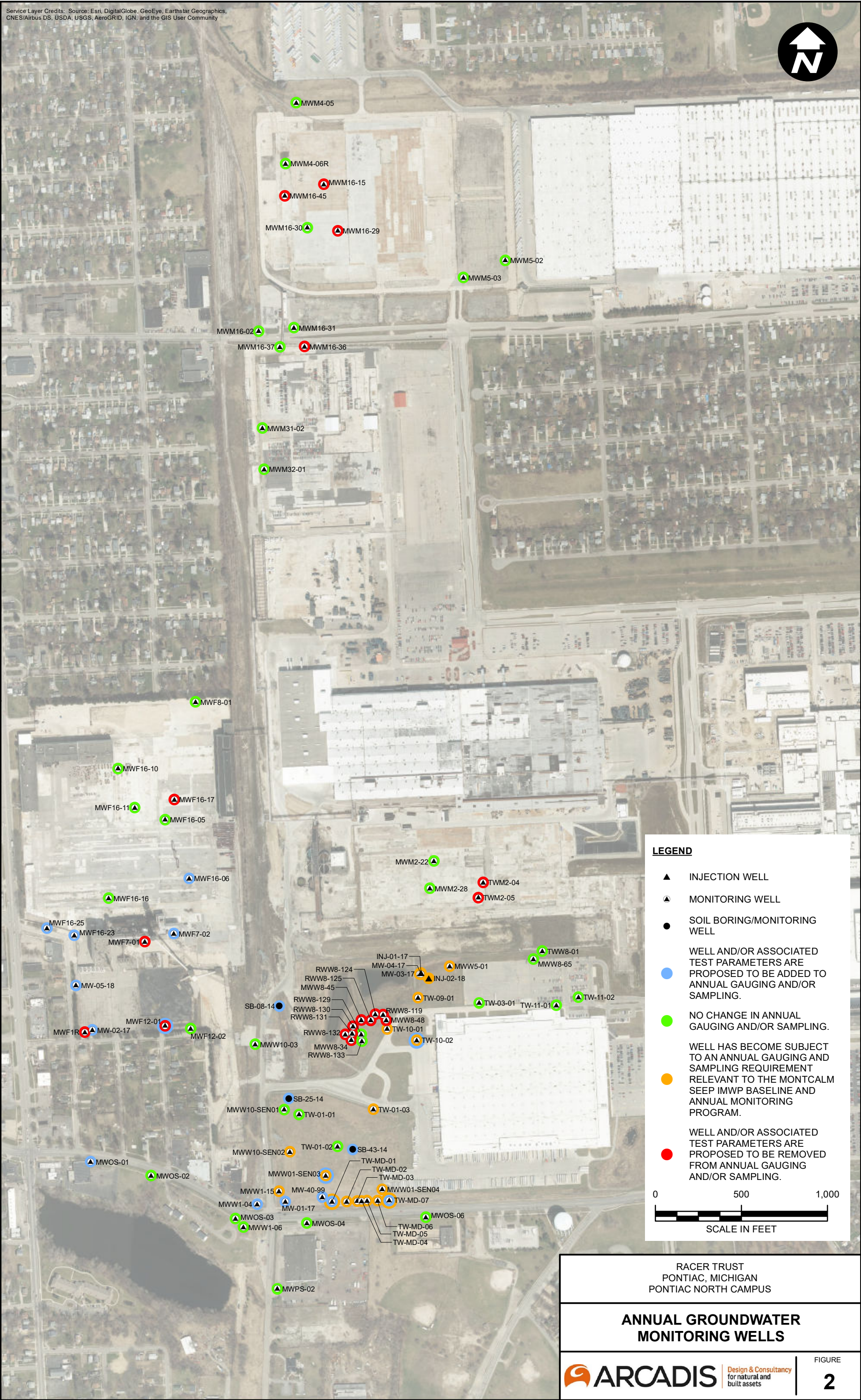
RACER TRUST
 PONTIAC NORTH CAMPUS
 PONTIAC, MICHIGAN

SITE LOCATION





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\Motors\Liquidation\Company\Pontiac\NorthCampus\Annual GW Monitoring\Wells 2018.mxd PLOTTED: 8/23/2018 11:35:58 AM BY: TYarbrough



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**

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
REMEDATION 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

Brad Saunders P.E. | Principal Engineer | brad.saunders@arcadis.com
Arcadis | Arcadis U.S., Inc. | Arcadis of Michigan, LLC
M. +1 517 974 4441

Professional Engineer / PE-MI, 6201050540



Be green, leave it on the screen.

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APPENDIX C

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



February 2020

Appendix C
2019 Annual Groundwater
Monitoring Report
(Pontiac North Campus)



February 2020

Appendix C
2019 Annual Groundwater
Monitoring Report
(Pontiac North Campus)

[illegible]

Pontiac North Campus

[illegible]

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	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
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	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	NA	NA	NA	NA

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RACER Trust
Pontiac North Campus

Sample ID:		DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
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	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	DWD10	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
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	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	
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	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	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	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	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	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	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	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	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	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	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	0.0002 U	0.0002 U	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 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	0.0002 U	0.0002 U	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 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	0.0004 U	0.0004 U	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 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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	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	0.0002 U	0.0002 U	0.0002 UJ	NA	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	0.0016 U	0.0016 U	0.0016 U	NA	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	0.0004 U	0.0004 U	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	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	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	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	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	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	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	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	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	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	0.025 U	0.025 U	0.025 U	NA	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	0.0312	0.0395	0.0364	NA	0.0413	0.0413	
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	0.215	0.585	0.494	NA	0.523	0.49	
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	0.001 U	0.001 U	0.001 U	NA	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	0.005 U	0.005 U	0.005 U	NA	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	0.01 U	0.0084 J	0.0047 J	NA	0.0068 J	0.0074 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	0.02 U	0.02 U	0.0084 J	NA	0.02 U	0.0067 J	
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	0.005 U	0.005 U	0.005 U	NA	0.0059 U	0.005 U	
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	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	0.003 U	0.003 U	0.003 U	NA	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	0.01 U	0.0675	0.0597	NA	0.0562	0.0548	
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	0.0002 U	0.0002 U	0.0002 U	NA	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	0.02 U	0.0093 J	0.0031 J	NA	0.0038 J	0.0061 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	0.005 U	0.005 U	0.005 U	NA	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	0.005 U	0.0013 J	0.005 U	NA	0.005 U	0.005 U	
Sodium	mg/L	NA	NA	NA	NA	NA	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 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	0.001 U	0.001 U	0.001 U	NA	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	0.01 U	0.01 U	0.01 U	NA	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	0.02 U	0.02 U	0.02 U	NA	0.023	0.02 U	

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Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
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Pontiac North Campus

Sample ID:		DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD10	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12
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	01/18/02	11/12/02	05/20/03	10/31/03	12/17/03	05/04/04	
Inorganics-Filtered																						
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	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	0.0259	NA	NA	NA	NA	NA	
Barium (Dissolved)	mg/L	0.115	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.202	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	0.001 U	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	0.005 U	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	0.01 U	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	0.02 U	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	0.005 U	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	0.003 U	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	0.01 U	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	0.0002 U	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	0.02 U	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	0.005 U	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	0.005 U	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	0.001 U	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	0.01 U	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	0.02 U	NA	NA	NA	NA	NA	
Miscellaneous																						
pH (water)	none	NA	NA	NA	NA	NA	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	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	NA	NA	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	NA	NA	NA	NA	2.18	NA	
Dissolved Oxygen	%	NA	NA	NA	NA	NA	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	0.05	0.2	0.38	1.59	0.05	NA	NA	NA	NA	NA	NA	
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-84	147	-124	-169	-199	NA	NA	NA	NA	NA	NA	
pH Field	pH Units	NA	NA	NA	NA	NA	7.6	7.56	7.6	7.35	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	7.15	NA	
Temperature	Deg C	NA	NA	NA	9.39	NA	NA	NA	NA	NA	12.22	12.69	11.32	14.21	15.46	NA	NA	NA	NA	7.93	NA	
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35	65	60	NA	NA	NA	NA	NA	NA	
Turbidity (Field)	NTU	NA	NA	NA	4.81	NA	NA	NA	NA	NA	4.49	3.21	4.5	NA	4.42	NA	NA	NA	NA	4.63	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	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R
Date Collected:	Units	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07	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
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	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
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 [0.001 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
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	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
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	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
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	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
1,2,4-Trichlorobenzene	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	0.0068 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
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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 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
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	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
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	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
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	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
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	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
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	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
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	0.0068 U	0.0031 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]	0.01 U	0.01 U [0.01 U]	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
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 [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
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 [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
Acetone	mg/L	0.01 U	0.01 U	0.01 UJ	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]	0.0012 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
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	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
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 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
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	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
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 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
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 [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
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	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
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	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
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	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
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 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
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.00027 J	0.001 U [0.001 U]	0.00033 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	0.00025 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]	0.001 U	0.001 U [0.001 U]	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
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]	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
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 [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
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 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
Dichlorodifluoromethane (CFC-12)	mg/L	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 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
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 [0.001 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
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	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
Methyl acetate	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	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
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 [0.001 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
Methyl Tert Butyl Ether	mg/L	0.00037 J	0.0003 J	0.00019 J	0.0005 U [0.005 U]	0.0005 U	0.0005 U [0.005 U]	0.0005 U [0.005 U]	0.0005 U [0.005 U]	0.0005 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
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 [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
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 [0.001 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
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 [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
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	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
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	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
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 [0.001 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
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 [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
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 [0.001 U]	0.001 U	0.0056 U	0.0031 U	0.001 U							

Appendix C
Final and Annual Groundwater Monitoring Report
RACER Trust
Pontiac North Campus

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R
Date Collected:	Units	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07	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
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	0.00078 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
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	0.0012 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
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	0.0017 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
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	0.00085 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
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	0.00085 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
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	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
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	0.00079 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
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	0.00057 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
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 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
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	0.001 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
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	0.00064 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
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	0.0011 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
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 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
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	0.0021 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
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	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
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	0.00071 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
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	0.0013 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
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	0.00088 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
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	0.00099 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
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	0.00061 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
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	0.00079 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
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	0.0013 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
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	0.0013 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
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 U]	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
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	0.0008 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
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	0.00071 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
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	0.0026 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
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	0.00068 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
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	0.0025 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
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	0.0028 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
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	0.0007 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
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	0.00073 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
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	0.00094 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
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	0.00085 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
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	0.00084 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
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 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
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	0.00087 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
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	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
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 [0.005 U]	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
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.00054 J	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	0.00088 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
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 [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
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	0.00082 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
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	0.00075 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
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	0.00079 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
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	0.0011 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
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	0.00065 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
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	0.00076 U	0.005 U	0.005 U	0.005 U	0.					

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	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R
Date Collected:	Units	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07	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
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	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	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	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	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	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	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	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	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	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	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	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R
Date Collected:	Units	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R
Date Collected:	Units	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07	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
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	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	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	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	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	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	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	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	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	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	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	0.000054 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
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	0.00011 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
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	0.000056 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
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	0.000075 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
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	0.000061 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
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	0.000082 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
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 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
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]	0.0016 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
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	0.00011 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
Pests/PCBs-Filtered																				
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000054 U	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	0.00011 U	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	0.000056 U	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	0.000075 U	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	0.000061 U	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	0.000082 U	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	0.000044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000482 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 U	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	0.0022 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
Arsenic	mg/L	0.0384	0.0396	0.0409	0.0391 [0.0016 J]	0.0362	0.0394 [0.0394]	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
Barium	mg/L	0.481	0.481	0.41	0.373 [0.0311]	0.394	0.421 [0.457]	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
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	0.00054 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
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	0.00028 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
Chromium (Total)	mg/L	0.0027 J	0.0108	0.0026 J	0.016 [0.0033 J]	0.0019 J	0.01 U [0.01 U]	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
Cobalt	mg/L	0.0045 J	0.02 U	0.02 U	0.02 U [0.02 U]	0.0064 J	0.02 U [0.02 U]	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
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 [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
Cyanide (total)	mg/L	0.01 U	NA	NA	NA	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]	0.003 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
Manganese	mg/L	0.0522	0.0615	0.0513	0.0577 [0.0138]	0.0515	0.0441 [0.0476]	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
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	0.000069 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
Nickel	mg/L	0.02 U	0.0096 J	0.02 U	0.0095 J [0.0024 J]	0.0024 J	0.02 U [0.02 U]	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
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	0.0045 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
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	0.0015 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
Sodium	mg/L	NA	NA	NA	NA	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	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
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]	0.0023 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
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.0222 [0.0115 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	0.012 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

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	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8R
Date Collected:	Units	10/27/04	05/13/05	11/04/05	05/18/06	11/10/06	05/04/07	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
Inorganics-Filtered																				
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0039 U	0.0044 J	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.252	0.358	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0023 J	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0024 J	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0703	0.0641 J	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000072 J	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.0064 J	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.0236	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	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	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	1.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.302
Conductivity Field	umhos/cm	NA	NA	NA	NA	NA	1,620	2.12	1.94	2.35	NA	NA	NA	1.427	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	0.15	0.38	0.33	0.04	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44
ORP, Field	millivolts	NA	NA	NA	NA	-93	-95	-87	-115	-31	NA	NA	NA	NA	NA	NA	NA	NA	NA	-34
pH Field	pH Units	7.03	6.93	7.34	6.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.03	6.93	7.17	6.93	NA
pH Field	s.u.	NA	NA	NA	NA	7.14	7.04	6.72	7.52	7.76	NA	NA	NA	7.12	NA	NA	NA	NA	NA	7.19
Temperature	Deg C	NA	NA	NA	NA	13.92	15.25	12.58	13.49	15.69	NA	NA	NA	11.34	NA	NA	NA	NA	NA	8.84
Temperature, Ambient	Deg F	NA	NA	NA	NA	50	NA	45	55	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	40
Turbidity (Field)	NTU	NA	NA	NA	NA	4.62	2.31	4.4	NA	21.6	NA	NA	NA	4.26	NA	NA	NA	NA	NA	11.2

Appendix C
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RACER Trust
Pontiac North Campus

Sample ID:		GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD11	GWD11	GWD11	GWD11
Date Collected:	Units	05/03/07	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	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03
VOCs																							
1,1,1-Trichloroethane	mg/L	0.001 U	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	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	0.0067 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	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	0.0067 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	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	0.001 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	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	0.0067 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	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 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 UJ	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	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 U	0.002 UJ	0.002 U	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	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	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	0.0067 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	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	0.0067 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	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	0.0067 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	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	0.0067 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	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	0.0067 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	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 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	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	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	0.01 U	0.01 U	0.01 UJ	0.01 UJ	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 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	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	0.31 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 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.0021 J
Benzene	mg/L	0.001 U	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	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 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	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	0.0067 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	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	0.0067 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	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 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	0.00052 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	0.0067 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	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	0.0067 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	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	0.0067 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	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	0.0067 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	0.001 U	0.001 U	0.00028 J	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	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	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	0.001 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	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 U	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	0.001 UJ	0.001 UJ	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	0.0067 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	0.001 U	0.001 UJ	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	0.0067 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	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 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	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 UJ
Ethylbenzene	mg/L	0.001 U	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	0.001 U	0.001 UJ	R	R	0.001 UJ	0.001 U
Isopropylbenzene	mg/L	0.001 U	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	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	0.067 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	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	0.0067 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	0.001 UJ	0.001 UJ	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	0.033 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	0.005 U	0.00024 J	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	0.0067 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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00064 J
Styrene	mg/L	0.001 U	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	0.001 UJ	0.001 U	0.001 U	0.001 U	R	0.001 U
Tetrachloroethene	mg/L	0.001 U	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 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	0.001 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	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	0.0067 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	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	0.0033 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	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U	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 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0

Appendix C
Final and Annual Groundwater Monitoring Report
RACER Trust
Pontiac North Campus

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

Sample ID:		GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD11	GWD11	GWD11	GWD11
Date Collected:	Units	05/03/07	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	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD11	GWD11	GWD11	GWD11
Date Collected:	Units	05/03/07	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	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03
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	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	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	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	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD11	GWD11	GWD11	GWD11
Date Collected:	Units	05/03/07	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	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03
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	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	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	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	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	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	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	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	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	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	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 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	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 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	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 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	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 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	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 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	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 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	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	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	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0014 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	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	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	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	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	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	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	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	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	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	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	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 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	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0013 J	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	0.0081	0.0075	0.0059 J	0.0031 J	0.01 U	0.01 U
Barium	mg/L	0.485	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	0.166	0.162	0.102	0.336	0.036	0.0329
Beryllium	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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 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	0.005 U	0.005 U	0.005 U	0.0003 J	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U	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	0.0033 J	0.01 U	0.0077 J	0.0034 J	0.0028 J	0.0043 J
Cobalt	mg/L	0.0041 J	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	0.02 U	0.02 U	0.02 UJ	0.02 U	0.00076 J	0.0022 J
Copper	mg/L	0.0019 J	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0054 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	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 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	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.0558	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	0.0265	0.0233	0.0726	0.255	0.0461	0.0298 U
Mercury	mg/L	0.0002 U	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.0047 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	0.02 U	0.02 U	0.0067 J	0.0053 J	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 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	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 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	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	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 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	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 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	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 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	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:		GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD11	GWD11	GWD11	GWD11
Date Collected:	Units	05/03/07	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	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03
Inorganics-Filtered																							
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0027 J	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	0.0071 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0052 J	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	0.373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0989	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0618	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA
Miscellaneous																							
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	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	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	1.191	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.303	1.295	1.329	1.38	NA	NA	NA	1.069	NA	NA	NA	NA	NA	NA	1.274	1.228	0.487	0.539	NA	NA	NA	0.932
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.08	0.4	0.27	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.27	0.66	0.07	0.34	NA	NA	NA	NA
ORP, Field	millivolts	-135	-119	-123	-36	NA	NA	NA	NA	NA	NA	NA	NA	NA	-59	136	-100	-200	-134	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	7.21	7.17	7.08	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.58	7.16	7.34	7.29	NA	NA	NA	7.34	NA	NA	NA	NA	NA	7.26	6.67	7.28	7.66	7.57	NA	NA	NA	9.34
Temperature	Deg C	15.9	14.64	13.51	16.36	NA	NA	NA	3.41	NA	NA	NA	NA	NA	11.57	13.67	11.84	13.8	13.91	NA	NA	NA	11.3
Temperature, Ambient	Deg F	NA	35	60	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35	65	60	NA	NA	NA	NA
Turbidity (Field)	NTU	4.12	4.5	NA	4.08	NA	NA	NA	3.99	NA	NA	NA	NA	NA	4.04	0.77	3.8	NA	4.91	NA	NA	NA	4.08

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

Sample ID:		GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	
Date Collected:	Units	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	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
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	NA	0.001 U	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	
1,1,2,2-Tetrachloroethane	mg/L	R	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]	0.01 U	0.005 U	0.001 U	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	
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	NA	0.001 U	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	
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	NA	0.001 UJ	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	
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	NA	0.001 U	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	
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA	0.001 U	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 UJ	
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	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 UJ	
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	NA	0.001 U	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	
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	NA	0.001 U	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	
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	NA	0.001 U	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	
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	NA	0.001 U	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	
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	NA	0.001 U	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	
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	NA	0.001 U	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	
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	0.002 J	NA	0.01 U	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	
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	NA	0.01 U	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	
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 U	NA	0.01 U	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	
Acetone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 U	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	
Benzene	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]	0.0016 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	
Bromodichloromethane	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 UJ	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	
Bromoform	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]	0.01 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	
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	NA	0.001 UJ	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	
Carbon disulfide	mg/L	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	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	0.00045 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	NA	0.001 U	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	
Chlorobenzene	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]	0.01 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	
Chloroethane	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]	0.01 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	
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	NA	0.001 UJ	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	
Chloromethane (Methyl Chloride)	mg/L	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	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	
cis-1,2-Dichloroethene	mg/L	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	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	
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	NA	0.001 UJ	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	
Cyclohexane	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 UJ	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	
Dibromochloromethane	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 UJ	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	
Dichlorodifluoromethane (CFC-12)	mg/L	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	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	
Ethylbenzene	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 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	
Isopropylbenzene	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]	0.01 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	
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	NA	0.01 U	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	
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	NA	0.001 U	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	
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	NA	0.005 U	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	
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	NA	0.001 U	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	
Styrene	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]	0.01 U	0.005 U	R	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	
Tetrachloroethene	mg/L	R	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]	0.01 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	
Toluene	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]	0.01 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	
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	NA	0.001 U	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	
trans-1,2-Dichloroethene	mg/L	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	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	
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	NA	0.001 U	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	
Trichloroethene	mg/L	0.001 UJ	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]	0.01 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	
Trichlorofluoromethane (CFC-11)	mg/L	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	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	
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	NA	0.001 U	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	
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	NA	0.001 U	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	
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	NA	0.002 UJ	0.002 U [0.002 U]	0.01 U	0.005 U	0.001 UJ	0.0							

Appendix C
Qual and Annual Groundw
RACER Trust
Pontiac North Campus

Sample ID:	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	
Date Collected:	Units	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	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
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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	0.02 U	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	
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	NA	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	NA	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	NA	0.005 U	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	
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	NA	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	NA	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	NA	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 UJ	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	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	0.02 U	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	
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 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 UJ	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	NA	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	NA	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	NA	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	NA	0.005 U	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	
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	NA	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	NA	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	NA	0.005 U	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	
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	NA	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	NA	0.005 U	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	
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	NA	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	NA	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	NA	0.01 U	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	
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	NA	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	NA	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	0.0011 J	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	NA	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 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 UJ	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	NA	0.01 U	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	
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	NA	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	NA	0.005 U	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	
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	NA	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	NA	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	NA	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	NA	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 [0.005 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	
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	NA	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	NA	0.005 U	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	
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										

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

Sample ID:		GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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:		GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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:		GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.00055	0.0016 U	0.0016 U	0.0016 U [0.0016 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total PCBs	mg/L	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	0.0004 U [0.0004 U]	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	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	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	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	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	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	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	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	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	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	NA	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	0.0019 J	0.0069	0.0074	NA	0.0209	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	
Barium	mg/L	0.0412	0.0863	0.09	0.0382	0.0319	0.0974	0.0883	NA	0.123	0.117 [0.116]	0.115	0.117	0.0488	0.129	0.119	NA	0.181	0.141	0.154	0.142	
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	NA	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	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	0.0076 J	0.0037 J	0.0054 J	0.0217	NA	0.0062 J	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	
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0044 J	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	
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	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.0199	0.005 U	0.005 U	0.0018 J	
Cyanide (total)	mg/L	NA	0.01 U	NA	NA	NA	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	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	0.0064	0.003 U	0.003 U	0.003 U	
Manganese	mg/L	0.0278	0.0788	0.137	0.0399	0.0138	0.0366	0.0351	NA	0.026	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	
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	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.0058 J	0.0026 J	0.0038 J	0.0278	NA	0.02 U	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	
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	NA	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	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	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	NA	0.001 U	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	
Vanadium	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	0.01 U	0.0083 J	0.01 U	0.01 U	0.01 U	
Zinc	mg/L	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	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	

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

Sample ID:		GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	
Date Collected:	Units	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	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
Inorganics-Filtered																						
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0069 J	0.0089 J	NA	NA	NA	NA	NA	NA	NA	NA	
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.111	0.114	NA	NA	NA	NA	NA	NA	NA	NA	
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0458	0.0477 J	NA	NA	NA	NA	NA	NA	NA	NA	
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	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	NA	NA	NA	NA	NA	
pH (water)	s.u.	NA	NA	NA	NA	NA	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	NA	NA	NA	0.638	NA	
Conductivity Field	umhos/cm	NA	NA	NA	NA	NA	135	0.629	0.811	0.731	0.799	NA	NA	NA	0.605	NA	NA	NA	NA	0.643	660	
Dissolved Oxygen	%	NA	NA	NA	NA	NA	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	0.37	0	1.86	0.56	1.21	NA	NA	NA	NA	NA	NA	NA	0	0.07	0.3	
ORP, Field	millivolts	NA	NA	NA	NA	NA	-141	-165	-114	-134	-85	NA	NA	NA	NA	NA	NA	NA	188	-13	159	
pH Field	pH Units	NA	8.78	8.34	9.12	6.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.33	7.44	7.12	NA	NA	
pH Field	s.u.	NA	NA	NA	NA	NA	7.79	7.44	7.35	7.56	7.72	NA	NA	NA	7.36	NA	NA	NA	7.12	6.95	6.94	
Temperature	Deg C	NA	NA	NA	NA	NA	14.97	12.43	11.4	14.11	17.17	NA	NA	NA	14.46	NA	NA	NA	16.01	14.83	16.14	
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	45	NA	55	60	NA	NA	NA	NA	NA	NA	NA	50	50	NA	
Turbidity (Field)	NTU	NA	NA	NA	NA	NA	4.03	4.5	3.07	NA	4.91	NA	NA	NA	4.82	NA	NA	NA	4.7	8.11	3.95	

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

Sample ID:		GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7	
Date Collected:	Units	11/08/07	05/09/08	11/06/08	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	01/09/02	11/13/02	05/21/03	
VOCs																							
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	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 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.014 U	0.0014 U	0.001 U	
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	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 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.029 U	0.0029 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	0.00033 J	0.001 U	0.00029 J	0.00026 J	0.001 U	0.001 U	0.014 U	0.0014 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	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 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.14 U	0.014 UJ	0.01 U	
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	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 U	0.01 UJ	0.01 U	0.14 U	0.014 UJ	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	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 U	0.01 UJ	0.01 U	0.14 U	R	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 U	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 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.14 U	0.014 UJ	0.038	
Benzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Bromodichloromethane	mg/L	0.001 U	0.001 UJ	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	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	0.014 UJ	R	0.001 U	
Carbon disulfide	mg/L	0.001 U	0.001 U	0.00065 J	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	0.014 U	0.0014 U	0.001 U	
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 UJ	0.001 U	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	0.00017 J	0.014 U	0.0014 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	0.0005 U	0.0071 U	0.00072 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 UJ	0.001 UJ	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	0.014 U	0.0014 U	0.001 U	
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ	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	0.014 U	0.0014 U	0.001 U	
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 UJ	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	0.029 U	0.0029 U	0.002 U	
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 UJ	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	0.014 U	0.0014 U	0.001 U	
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	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	0.14 U	0.014 U	0.01 U	
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ	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	0.014 U	0.0014 U	0.001 U	
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	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	0.071 U	0.0072 U	0.005 U	
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	R	0.001 U	
Styrene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Toluene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	0.0005 U	0.0071 U	0.00072 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 UJ	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	0.014 U	0.0014 U	0.001 U	
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	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	0.014 U	0.0014 U	0.001 U	
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 UJ	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	0.014 U	0.0014 U	0.001 U	
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.027 U																		

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

Sample ID:		GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7
Date Collected:	Units	11/08/07	05/09/08	11/06/08	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	01/09/02	11/13/02	05/21/03
SVOCs																						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	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	0.01 U	0.01 U	
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2,4-Dinitrophenol	mg/L	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	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	0.00079 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	0.005 U	0.005 U	
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	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	0.005 U	0.005 U	
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	
4,6-Dinitro-2-methylphenol	mg/L	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	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	0.00088 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	0.005 U	0.005 U	
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	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	0.01 U	0.01 U	
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	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	0.0021 J	0.005 U	
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	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	0.01 U	0.01 U	
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	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	0.01 U	0.01 U	
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Biphenyl	mg/L	0.01 U	0.01 U	0.01 UJ	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	0.01 U	0.01 U	
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	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	0.0088	0.005 U	
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Caprolactam	mg/L	0.01 U	0.01 U	0.01 UJ	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	0.039	0.0067 J	
Carbazole	mg/L	0.01 U	0.01 U	0.01 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	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	0.00075 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	0.005 U	0.005 U	
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 UJ	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:		GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7
Date Collected:	Units	11/08/07	05/09/08	11/06/08	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	01/09/02	11/13/02	05/21/03
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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:		GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7
Date Collected:	Units	11/08/07	05/09/08	11/06/08	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	01/09/02	11/13/02	05/21/03
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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:		GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7
Date Collected:	Units	11/08/07	05/09/08	11/06/08	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	01/09/02	11/13/02	05/21/03
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	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	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	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	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	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	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	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	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	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	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	NA	NA	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	0.0002 U	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	NA	NA	0.0002 U	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	NA	NA	0.0004 U	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	NA	NA	0.0002 U	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	NA	NA	0.0002 U	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	NA	NA	0.0002 U	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	NA	NA	0.0002 U	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U	NA	NA	NA
Inorganics																						
Antimony	mg/L	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	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Arsenic	mg/L	0.0292	0.0352	0.0285	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	0.0044 J	0.0027 J	
Barium	mg/L	0.149	0.207	0.178	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	0.0677	0.413	
Beryllium	mg/L	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	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	0.00031 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	0.00057 J	0.005 U	
Chromium (Total)	mg/L	0.0148	0.0239	0.0336	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	0.0068 J	0.01 U	
Cobalt	mg/L	0.02 U	0.02 U	0.003 J	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	0.02 U	0.02 U	
Copper	mg/L	0.005 U	0.0051	0.0047 J	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	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	NA	NA	NA	NA	NA	
Lead	mg/L	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	0.003 U	0.003 U	0.003 U	0.003 U	0.0135	0.003 U	
Manganese	mg/L	0.0337	0.0555	0.0558	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	0.0631	0.142	
Mercury	mg/L	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	
Nickel	mg/L	0.0088 J	0.0168 J	0.0239	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	0.0057 J	0.02 U	
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.0045 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0037 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	0.005 U	0.005 U	
Silver	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	
Sodium	mg/L	NA	NA	NA	NA	NA	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	0.005 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	0.000044 J	0.001 U	
Vanadium	mg/L	0.0012 J	0.0011 J	0.0023 J	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	0.0049 J	0.01 U	
Zinc	mg/L	0.0073 J	0.0167 J	0.02 U	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	0.592	0.02 U	

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

Sample ID:		GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7
Date Collected:	Units	11/08/07	05/09/08	11/06/08	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	01/09/02	11/13/02	05/21/03
Inorganics-Filtered																						
Antimony (Dissolved)	mg/L	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.025 U	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	0.0039 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0062 J	0.01 U	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	0.0646	0.0881	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.404	0.04	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.001 U	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.00028 J	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	0.0014 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	0.0744	0.0679 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.159	0.0028 J	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	0.000069 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	0.0022 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	0.005 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.001 U	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	0.00082 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.0025 J	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	0.012 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA
Miscellaneous																						
pH (water)	none	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA
Field Parameters																						
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.471	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	0.683	0.662	0.727	NA	NA	NA	0.459	NA	NA	NA	NA	NA	NA	510	0.487	0.474	0.519	NA	NA	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.27	0.17	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	0.99	0	0.5	0.33	NA	NA	NA	NA
ORP, Field	millivolts	-128	-146	-15	NA	NA	NA	NA	NA	NA	NA	NA	NA	-102	-182	-158	-164	-113	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	7.56	7.89	7.8	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.35	7.79	7.55	NA	NA	NA	8.03	NA	NA	NA	NA	NA	7.91	7.77	7.23	7.22	7.71	NA	NA	NA	NA
Temperature	Deg C	14.04	14.4	15.83	NA	NA	NA	8.81	NA	NA	NA	NA	NA	8.25	15.8	10.17	14.7	17.95	NA	NA	NA	NA
Temperature, Ambient	Deg F	35	60	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	NA	35	65	60	NA	NA	NA	NA
Turbidity (Field)	NTU	25.1	NA	14.5	NA	NA	NA	4	NA	NA	NA	NA	NA	4.65	2.78	4.5	NA	2.45	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	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	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	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
VOCs																							
1,1,1-Trichloroethane	mg/L	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	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
1,1,2,2-Tetrachloroethane	mg/L	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	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
1,1,2-Trichloroethane	mg/L	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	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
1,1-Dichloroethane	mg/L	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	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
1,1-Dichloroethene	mg/L	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	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
1,2,4-Trichlorobenzene	mg/L	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	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
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	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
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	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	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
1,2-Dichlorobenzene	mg/L	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	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
1,2-Dichloroethane	mg/L	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	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
1,2-Dichloropropane	mg/L	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	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
1,3-Dichlorobenzene	mg/L	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	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
1,4-Dichlorobenzene	mg/L	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	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
2-Butanone (Methyl Ethyl Ketone)	mg/L	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	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
2-Hexanone	mg/L	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	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
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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	1 U	R	R	0.01 U	0.05 U	R	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	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	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
Benzene	mg/L	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	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
Bromodichloromethane	mg/L	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	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
Bromoform	mg/L	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	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
Bromomethane (Methyl Bromide)	mg/L	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	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
Carbon disulfide	mg/L	0.00025 J	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00049 J	0.001 U	NA	0.001 U	NA	0.001 U	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
Carbon tetrachloride	mg/L	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	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
Chlorobenzene	mg/L	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	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
Chloroethane	mg/L	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	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
Chloroform (Trichloromethane)	mg/L	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	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
Chloromethane (Methyl Chloride)	mg/L	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	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
cis-1,2-Dichloroethene	mg/L	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	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
cis-1,3-Dichloropropene	mg/L	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	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
Cyclohexane	mg/L	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	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
Dibromochloromethane	mg/L	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	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
Dichlorodifluoromethane (CFC-12)	mg/L	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	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
Ethylbenzene	mg/L	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	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
Isopropylbenzene	mg/L	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	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
Methyl acetate	mg/L	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	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
Methyl cyclohexane	mg/L	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	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
Methyl Tert Butyl Ether	mg/L	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	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
Methylene chloride	mg/L	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	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
Styrene	mg/L	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	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
Tetrachloroethene	mg/L	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	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
Toluene	mg/L	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	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
Total 1,3 Dichloropropenes	mg/L	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	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
trans-1,2-Dichloroethene	mg/L	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	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
trans-1,3-Dichloropropene	mg/L	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	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
Trichloroethene	mg/L	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	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
Trichlorofluoromethane (CFC-11)	mg/L	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	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.	

Appendix C
Final and Annual Groundwater Monitoring
RACER Trust
Pontiac North Campus

Sample ID:	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	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	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	
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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	0.005 U	
2,4-Dinitrophenol	mg/L	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	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	0.005 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	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	NA	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	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	NA	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	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	NA	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	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	0.00046 J	0.00026 J	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	0.02 U	NA	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	
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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	0.005 U	
4-Nitroaniline	mg/L	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	0.005 U	
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0013 J	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	0.0012 J	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	NA	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	0.005 U	
Caprolactam	mg/L	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	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	
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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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	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	NA	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:		IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0004 U	NA	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0002 U	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0016 U	NA	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	0.0004 U	NA	0.0004 U	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	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	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	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	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	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	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	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	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	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	NA	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	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0014 J	0.0057	0.0102	0.0086	0.0111	NA	0.0078	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.01 U	0.003 J	0.01 U	0.0017 J
Barium	mg/L	0.379	0.305	0.355	0.353	0.418	0.404	0.291	0.373	NA	0.301	NA	0.33	0.101	0.228	0.223	0.219	0.32	0.262	0.267	0.256	0.28	0.276
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	NA	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	0.001 U
Cadmium	mg/L	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	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
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	NA	0.0132	NA	0.01 U	0.0037 J	0.0605	0.046	0.0216	0.0193	0.0099 J	0.0856	0.0039 J	0.01	0.0024 J
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	NA	0.02 U	NA	0.02 U	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
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	NA	0.005 U	NA	0.005 U	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
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	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	NA	0.003 U	NA	0.003 U	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
Manganese	mg/L	0.0947	0.0776	0.0867	0.0782	0.0861	0.0781	0.0661	0.0427	NA	0.0638	NA	0.0455	0.208	0.352 J	0.0823	0.0926	0.0577	0.039 U	0.111	0.0359	0.0326	0.0292
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	NA	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	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	NA	0.0097 J	NA	0.02 U	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
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	NA	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	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	NA	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	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	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	NA	0.001 U	NA	0.001 U	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
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	NA	0.01 U	NA	0.01 U	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
Zinc	mg/L	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	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

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	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5	IWP5
Date Collected:	Units	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	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
Inorganics-Filtered																							
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0818	0.231	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	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	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.0021 J	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.116	0.219 J	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0023 J	0.0232	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0061 J	0.00068 J	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	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	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	NA	NA	NA	NA	NA	NA	NA
Field Parameters																							
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	1.182	NA	1.092	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.418	NA	NA	NA	NA	NA	NA	1.138	NA	1.072	1.025	1.18	NA	NA	NA	NA	0.732	NA	NA	NA	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	0.18	0.29	NA	1.67	0.71	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	-104	-109	-192	-89	-128	-52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	7.58	7.15	7.21	6.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	7.34	7.04	NA
pH Field	s.u.	7.59	NA	NA	NA	NA	NA	7.09	7.18	8.11	7.09	7.41	7.66	NA	NA	NA	NA	7.21	NA	NA	NA	NA	NA
Temperature	Deg C	8.77	NA	NA	NA	NA	NA	10.76	14.4	17.25	11.46	14.18	16.67	NA	NA	NA	NA	5.68	NA	NA	NA	NA	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	40	NA	60	35	55	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	3.93	NA	NA	NA	NA	NA	3.68	1.87	1.81	4.3	NA	2.4	NA	NA	NA	NA	9.46	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	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	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08	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 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	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 U	0.001 U	0.001 U	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 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	NA	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	0.001 U	0.001 U	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 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	NA	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 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	NA	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 UJ	0.002 U	0.002 U	0.002 U	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 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	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 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	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 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	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 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	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 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	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 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	NA	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	0.01 U	0.01 U	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 U	0.01 U	0.01 U	0.01 U	0.01 UJ	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 U	0.01 U	0.01 UJ	0.01 UJ	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	Aceton	0.0016 J	0.01 U	0.01 U	0.0022 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 UJ	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 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 U	0.001 UJ	0.001 U	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 UJ	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	NA	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 UJ	0.001 U	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	0.001 U	0.001 U	0.001 U	0.001 U	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 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	NA	0.001 UJ	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 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 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]	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 U	0.001 UJ	0.001 U	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 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]	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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 U	0.001 U	0.001 UJ	0.001 U	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 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]	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 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	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 U	0.002 U	0.002 UJ	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 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	NA	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 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 U	0.01 U	0.01 U	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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 U	0.001 U	0.001 U	0.001 UJ	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 U	0.001 U	0.001 U	0.001 U	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	0.001 U	0.001 U	0.001 U	0.001 U	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 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	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	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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 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	NA	0.001 UJ	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 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 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]	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 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	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 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	NA	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	0.002 U	0.002 U	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:		IWP5	IWP5	IWP5	IWP5	IWP5	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	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	0.01 U	0.01 U	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 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	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	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08	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
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	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	NA	NA	NA	NA	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	0.0000000013 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	0.000000025 U	0.0000000049 UJ [0.0000000046 UJ]	0.0000000033 U	0.0000000011 U	NA	0.0000000063 U	0.0000000022 U	0.0000000066 U	0.0000000071 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	0.00000001 U	0.0000000026 UJ [0.0000000021 UJ]	0.0000000031 U	0.0000000007 U	NA	0.0000000073 U	0.0000000085 U	0.0000000048 U	0.0000000065 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000058 U	0.0000000016 U	0.0000000062 U	0.0000000021 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000081 U	0.0000000016 U	0.0000000011 U	0.0000000026
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	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	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	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	NA	NA	NA	NA	NA	0.0000000021 U	0.0000000021 U	0.0000000094 U	0.0000000013 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	0.0000000073 U	0.0000000085 U	0.0000000048 U	0.0000000065 U
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	0.0000000399 U	0.0000000102 U [0.00000000898 U]	0.0000000105 U	0.00000000386 U	NA	0.00000000334 U	0.00000000418 U	0.00000000182 U	0.00000000118

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	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	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08	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	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-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	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	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08	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	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	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	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 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	0.002 U	0.0011 J	0.0028	0.0029	0.0013 J	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	0.314 U	0.23	0.26	0.287	0.248	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 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	0.001 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	0.00032 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	0.0183	0.0106	0.0169	0.0069 J	0.0227	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	0.02 U	0.0045 J	0.0034 J	0.0042 J	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	0.005 U	0.005 U	0.005 U	0.005 U	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	NA	NA	NA	NA	NA	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	0.003 U	0.003 U	0.003 U	0.003 U	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	0.049 U	0.0335	0.0792	0.0259	0.0447	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 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	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0138 J	0.0068 J	0.0162 J	0.01 J	0.0223	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 U	0.005 U	0.005 U	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 U	0.005 U	0.005 U	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	NA	NA	NA	NA	NA	135	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 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	0.01 U	0.0012 J	0.01 U	0.01 U	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	0.0106 J	0.0077 J	0.02 U	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:		IWP5	IWP5	IWP5	IWP5	IWP5	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	11/15/06	05/02/07	11/08/07	05/09/08	11/05/08	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	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.152	NA	NA	NA	NA	0.0886	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0085 J	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0013 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.28 J	NA	NA	NA	NA	0.579	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0032 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	0.00025 J	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	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	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	0.784	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	769	0.824	NA	NA	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	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	1.94	0.9	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4
ORP, Field	millivolts	-34	-141	-66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-39
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.92	7.08	7.02	6.49
pH Field	s.u.	7.56	7.89	7.05	NA	NA	NA	NA	NA	6.92	NA	7.3	NA	NA	NA	6.99
Temperature	Deg C	11.07	19	9.97	NA	NA	NA	NA	NA	9.62	NA	17.1	NA	NA	NA	13.94
Temperature, Ambient	Deg F	40	NA	35	60	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
Turbidity (Field)	NTU	19.3	3.16	45	NA	NA	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	MWD6	MWD6	MWD6	MWD6	MWD6	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	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	R	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA
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	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA
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	0.01 U	R	0.01 U	0.01 U	R	NA
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	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 UJ	R	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.00053 J	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.0005 U	0.0005 U	0.0024	0.00073	0.0005 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.0026	0.00041 J	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.0014	0.00032 J	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
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	0.001 U	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:		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	MW-40-99	MWD6	MWD6	MWD6	MWD6	MWD6	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	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
3,3'-Dichlorobenzidine	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	0.02 U	R	0.02 U	0.02 UJ	0.02 U	NA
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	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA
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	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA
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	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA
Caprolactam	mg/L	NA	0.01 U	0.01 U	NA	0.01 U	0.025 U	0.01											

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	MWD6	MWD6	MWD6	MWD6	MWD6	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	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000038 U	0.0000000025 U	0.000000011 U	NA	0.000000096 U	0.000000014 U	0.000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000028 U	0.0000000016 U	0.000000092 U	NA	0.000000068 U	0.000000013 U	0.000000033 U	NA	NA	NA	NA	NA	NA	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	0.000000024 U	0.000000053 U	NA	NA	NA	NA	NA	NA	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	0.000000064 U	0.000000096 U	0.000000028 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000027 U	0.0000000016 U	0.000000093 U	NA	0.000000007 U	0.000000013 U	0.000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000034 U	0.0000000014 U	0.000000052 U	NA	0.000000046 U	0.000000091 U	0.000000023 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000018 U	0.0000000017 U	0.000000077 U	NA	0.000000064 U	0.000000013 U	0.000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000032 U	0.0000000022 U	0.000000011 U	NA	0.000000066 U	0.000000002 U	0.000000025 U	NA	NA	NA	NA	NA	NA	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	0.000000024 U	0.000000036 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000046 U	0.0000000025 U	0.000000071 U	NA	0.000000064 U	0.000000094 U	0.000000029 U	NA	NA	NA	NA	NA	NA	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	0.000000016 U	0.000000038 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000031 U	0.0000000016 U	0.000000093 U	NA	0.000000007 U	0.000000013 U	0.000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000047 U	0.0000000014 U	0.000000014 U	NA	0.000000011 U	0.000000024 U	0.000000053 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000034 U	0.0000000014 U	0.000000052 U	NA	0.000000046 U	0.000000091 U	0.000000023 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000018 U	0.0000000017 U	0.000000077 U	NA	0.000000064 U	0.000000013 U	0.000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.0000000894 U	0.0000000659 U	0.0000000137	NA	0.0000000223 U	0.0000000422 U	0.0000000104 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	MWD6	MWD6	MWD6	MWD6	MWD6	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	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04
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	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	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	0.0000000008 U	NA	NA	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	0.0000000049 U	NA	NA	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	0.0000000039 U	NA	NA	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	0.000000002 U	NA	NA	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	0.0000000037 U	NA	NA	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	0.0000000046 U	NA	NA	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	0.0000000034 U	NA	NA	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	0.0000000055 U	NA	NA	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	0.0000000033 U	NA	NA	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	0.0000000084 U	NA	NA	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	0.0000000056 U	NA	NA	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	0.0000000005 U	NA	NA	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	0.0000000031 U	NA	NA	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:		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	MWD6	MWD6	MWD6	MWD6	MWD6	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	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04
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	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	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	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	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	0.000000002 U	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	0.0002 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	NA	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	NA	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA
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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
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	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA
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	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	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U	NA	NA	NA	NA	NA	NA
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	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	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	0.01 U	0.0029 J	0.01 U	0.0044 J	0.0032 J	0.0034 J
Barium	mg/L	NA	0.137	0.12	NA	0.168	0.303	0.153	NA	NA	NA	NA	0.532	0.166	0.22	1.09	0.0661	2.03	1.52
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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.00038 J	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	0.01 U	0.01 U	0.01 U	0.0011 J	0.01 U	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	0.02 U	0.00087 J	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.0023 J	0.004 J	0.005 U	0.0027 J
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	NA	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	0.003 U	0.0019 J	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	NA	0.24	0.287	NA	0.21	0.112	0.435	NA	NA	NA	NA	0.393	0.131	0.191	0.617	0.0551	1.08	0.918
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	0.00011 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	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	0.02 U	0.02 U	0.0049 J	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	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	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	0.001 U	0.001 U	0.001 U	0.000039 J	0.001 U	0.000041 J
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	0.01 U	0.01 U	0.01 U	0.00097 J	0.01 U	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	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	MW-40-99	MW-40-99	MWD6	MWD6	MWD6	MWD6	MWD6	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	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04
Inorganics-Filtered																			
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.025 U	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	0.01 U	NA	NA	NA	NA	0.0043 J
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.52	0.157	NA	NA	NA	NA	1.5
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.001 U	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	0.00035 J	NA	NA	NA	NA	0.0005 J
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	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	0.02 U	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	0.005 U	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	0.003 U	NA	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.383	0.125	NA	NA	NA	NA	0.9
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	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	0.02 U	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	0.005 U	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	0.005 U	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	0.001 U	NA	NA	NA	NA	0.00041 J
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	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	0.02 U	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	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.097	NA	1.237	NA	1.437	2.71	1.34	1.7	NA	NA	0.890	NA	NA	NA	NA	1.7	NA	29.8
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	-53	189	113	NA	-119	-202	-287	-267	-84.6	-81.2	-126.3	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	7.78	NA	7.54
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	NA	NA	NA	7.97	NA	16.2
Temperature, Ambient	Deg F	65	40	NA	NA	35	65	60	25	45	71	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	4.78	NA	2.9

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

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	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
VOCs																					
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,1-Dichloroethene	mg/L	0.00024 J	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	0.002 U	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
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 UJ	0.0011 J	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
2-Hexanone	mg/L	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Acetone	mg/L	0.01 UJ	0.0056 J	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	NA	NA	NA	0.001 U	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
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Carbon tetrachloride	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Chloroethane	mg/L	0.001 U	0.0018	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
cis-1,2-Dichloroethene	mg/L	0.001 U	0.0076	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	0.002 U	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
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Tetrachloroethene	mg/L	0.001 U	0.0032	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
trans-1,2-Dichloroethene	mg/L	0.001 U	0.0008 J	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Trichloroethene	mg/L	0.001 U	0.0021	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Vinyl chloride	mg/L	0.001 U	0.0006 J	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	0.002 U	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

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

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	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
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	NA	NA	NA	0.005 U	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
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00033 J	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
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0002 J	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
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.00074 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	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	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
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	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	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	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	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	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	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	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	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	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	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	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA	NA	0.0016 U	NA	0.0016 U	NA	0.0016 U	0.0016 U	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	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	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	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	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	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	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	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	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	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	NA	NA	NA	NA	NA
Inorganics																					
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	NA	NA	0.025 U	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
Arsenic	mg/L	0.01 U	0.0043 J	0.0047 J	0.0025	0.0028 U	NA	NA	NA	0.0014 J	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
Barium	mg/L	0.0562	0.495	0.058	0.0663	0.145	NA	NA	NA	0.0627	NA	0.0699	NA	0.137	0.185	0.153 [0.153]	0.142	0.189	0.261 J	0.171	0.153
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	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
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Chromium (Total)	mg/L	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.02 U	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
Copper	mg/L	0.0034 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	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	NA	NA	NA	0.003 U	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
Manganese	mg/L	0.0592	0.492	0.0809	0.0918	0.126	NA	NA	NA	0.0784	NA	0.0385	NA	0.117	0.194	0.276 [0.275]	0.213	0.234	0.289 J	0.185	0.208
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U	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
Nickel	mg/L	0.02 U	0.0045 J	0.0027 J	0.0016 J	0.02 U	NA	NA	NA	0.02 U	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
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.005 U	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
Sodium	mg/L	NA	NA	NA	NA	NA	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	NA	NA	NA	0.001 U	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
Vanadium	mg/L	0.0009 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.01 U	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
Zinc	mg/L	0.02 U	0.0158 J	0.02 U	0.0091 J	0.02 U	NA	NA	NA	0.02 U	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

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

Sample ID:		MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	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
Inorganics-Filtered																					
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U [0.0022 U]	0.025 U	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0039 U [0.0039 U]	0.01 U	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.151 [0.148]	0.144	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U [0.00054 U]	0.001 U	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U [0.00044 J]	0.005 U	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U [0.0014 U]	0.01 U	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U [0.0013 U]	0.02 U	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U [0.0042 U]	0.0049 J	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U [0.0025 U]	0.003 U	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.272 [0.266]	0.218	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000069 U [0.000069 U]	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 J [0.0022 J]	0.0024 J	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U [0.0045 U]	0.005 U	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U [0.0015 U]	0.005 U	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0066 J [0.0079 J]	0.000066 J	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U [0.00082 U]	0.01 U	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U [0.012 U]	0.02 U	NA	NA	NA	NA
Miscellaneous																					
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.6 J [8.7 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	7.9 J	8.4 J	NA	8.6 J [8.6 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																					
Conductivity Field	mS/cm	NA	NA	NA	NA	1.78	1.78	NA	1.575	NA	NA	NA	0.897	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	0.64	NA	NA	1.53	NA	992	0.859	0.896	NA	0.985	1.343	NA	NA	NA	NA	1.91	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	0.13	0.18	0.29	0.34	0.13	0.28	0.07	0.29	0.18	0.14	0.25	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	-97	-104	222	-159	-201	-243	-132	-230	-172	-249	-136	NA	NA	NA	NA	NA	NA
pH Field	pH Units	8.06	7.41	8.22	7.63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	7.63	8.42	8.1	7.85	8.36	8.36	8.06	8.33	8.46	8.62	8.28	NA	NA	NA	NA	6.91	NA
Temperature	Deg C	NA	NA	NA	14.28	11.13	9.3	6.93	10.05	13.2	22.47	15.83	15.65	12.28	18.51	NA	NA	NA	NA	13.85	NA
Temperature, Ambient	Deg F	NA	NA	NA	60	40	40	30	55	NA	85	35	45	55	60	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	NA	NA	NA	4.51	23.8	4.88	5.87	8.36	3.1	2.43	1.5	1.3	NA	1.85	NA	NA	NA	NA	3.79	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	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	05/20/04	10/27/04	05/11/05	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	12/16/03	11/01/04	05/12/05
VOCs																				
1,1,1-Trichloroethane	mg/L	NA	0.0057	0.0026	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	0.0082	0.014	0.016
1,1,2,2-Tetrachloroethane	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00025 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	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]	0.001 U	0.001 U	0.001 U	0.0003 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	NA	0.0013	0.00044 J	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	0.0092	0.0082	0.0047
1,1-Dichloroethene	mg/L	NA	0.0013 U	0.001 U	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	0.0037	0.0038 U	0.0018
1,2,4-Trichlorobenzene	mg/L	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	0.00041 J [0.001 U]	0.005 U	0.005 U	0.001 U	0.00017 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	0.002 U [0.002 U]	0.001 U	0.001 U	0.001 U	0.00062 U	0.002 U	NA	0.002 UJ	0.002 UJ	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00022 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00011 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00021 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00017 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00017 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	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]	0.025 U	0.025 U	0.025 U	0.00041 U	0.01 U	NA	0.01 U	0.01 UJ	0.01 UJ
2-Hexanone	mg/L	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	0.01 U [0.01 U]	0.05 U	0.05 U	0.05 U	0.00046 U	0.01 U	NA	0.01 U	0.01 UJ	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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]	0.05 U	0.05 U	0.05 U	0.00023 U	0.01 U	NA	0.01 U	0.01 UJ	0.01 UJ
Acetone	mg/L	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]	0.025 U	0.025 U	0.025 U	0.00051 U	0.01 U	NA	0.01 U	0.01 UJ	0.01 UJ
Benzene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00016 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	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	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00017 U	0.001 U	NA	R	0.001 U	0.001 U
Bromoform	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00018 U	0.001 U	NA	R	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	NA	0.001 U	0.001 UJ	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	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	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]	0.005 U	0.005 U	0.00023 J	0.00047 J	0.001 U	NA	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00012 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00014 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00026 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	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	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00029 J	0.001 U	NA	0.001 U	0.00018 J	0.001 U
Chloromethane (Methyl Chloride)	mg/L	NA	0.001 U	0.001 U	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	0.001 U	0.00015 J	0.001 U
cis-1,2-Dichloroethene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00023 J	0.00043 J	NA	0.0016	0.0011	0.00058 J
cis-1,3-Dichloropropene	mg/L	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	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00012 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	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	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00013 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	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	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00026 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	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	0.002 UJ [0.002 UJ]	0.001 U	0.001 U	0.001 U	0.00026 U	0.002 U	NA	0.002 U	0.002 UJ	0.002 U
Ethylbenzene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00012 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	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]	0.005 U	0.005 U	0.005 U	0.00012 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	NA	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	0.00041 U	0.01 U	NA	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	NA	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]	0.005 U	0.005 U	0.005 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Styrene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	NA	0.00038 J	0.00028 J	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	0.0014	0.0026	0.0011
Toluene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.0002 J	0.00021 J	NA	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	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]	NA	NA	NA	0.00027 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00015 U	0.0005 U	NA	0.0005 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	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	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	0.00027 U	0.001 U	NA	R	0.001 UJ	0.001 U
Trichloroethene	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00014 U	0.001 U	NA	0.001 U	0.0004 J	0.00033 J
Trichlorofluoromethane (CFC-11)	mg/L	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 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.00028 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00032 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	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]	0.001 U	0.001 U	0.001 U	0.00015 U	0.001 U	NA	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	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	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 U	0.00033 U	0.001 U	NA	0.001 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:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	05/20/04	10/27/04	05/11/05	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	12/16/03	11/01/04	05/12/05
SVOCs																				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	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	0.00078 U	0.005 U	NA	NA	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	NA	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	0.0012 U	0.005 U	NA	NA	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	NA	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	0.0017 U	0.005 U	NA	NA	NA	0.005 U
2,4-Dichlorophenol	mg/L	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	0.00085 U	0.01 U	NA	NA	NA	0.01 U
2,4-Dimethylphenol	mg/L	NA	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	0.00085 U	0.005 U	NA	NA	NA	0.005 U
2,4-Dinitrophenol	mg/L	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	0.003 U	0.02 U	NA	NA	NA	0.02 U
2,4-Dinitrotoluene	mg/L	NA	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	0.00079 U	0.005 U	NA	NA	NA	0.005 U
2,6-Dinitrotoluene	mg/L	NA	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	0.00057 U	0.005 U	NA	NA	NA	0.005 U
2-Chloronaphthalene	mg/L	NA	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	0.00085 U	0.005 U	NA	NA	NA	0.005 U
2-Chlorophenol	mg/L	NA	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	0.001 U	0.005 U	NA	NA	NA	0.005 U
2-Methylnaphthalene	mg/L	NA	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	0.00064 U	0.005 U	NA	NA	NA	0.005 U
2-Methylphenol	mg/L	NA	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	0.0011 U	0.005 U	NA	NA	NA	0.005 U
2-Nitroaniline	mg/L	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	0.0007 U	0.02 U	NA	NA	NA	0.02 U
2-Nitrophenol	mg/L	NA	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	0.0021 U	0.005 U	NA	NA	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	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	0.00093 U	0.02 U	NA	NA	NA	0.02 U
3-Nitroaniline	mg/L	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	0.00071 U	0.02 U	NA	NA	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	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	0.0013 U	0.02 U	NA	NA	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	NA	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	0.00088 U	0.005 U	NA	NA	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	NA	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	0.00099 U	0.005 U	NA	NA	NA	0.005 U
4-Chloroaniline	mg/L	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	0.00061 U	0.01 U	NA	NA	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	NA	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	0.00079 U	0.005 U	NA	NA	NA	0.005 U
4-Methylphenol	mg/L	NA	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	0.0013 U	0.005 U	NA	NA	NA	0.005 U
4-Nitroaniline	mg/L	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	0.0013 U	0.02 U	NA	NA	NA	0.02 U
4-Nitrophenol	mg/L	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	0.0019 U	0.02 U	NA	NA	NA	0.02 U
Acenaphthene	mg/L	NA	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	0.0008 U	0.005 U	NA	NA	NA	0.005 U
Acenaphthylene	mg/L	NA	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	0.00071 U	0.005 U	NA	NA	NA	0.005 U
Acetophenone	mg/L	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	0.0026 U	0.01 U	NA	NA	NA	0.01 U
Anthracene	mg/L	NA	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	0.00068 U	0.005 U	NA	NA	NA	0.005 U
Atrazine	mg/L	NA	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	0.0025 U	0.005 U	NA	NA	NA	0.005 U
Benzaldehyde	mg/L	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	0.0028 U	0.01 U	NA	NA	NA	0.01 U
Benzo(a)anthracene	mg/L	NA	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	0.0007 U	0.005 U	NA	NA	NA	0.005 U
Benzo(a)pyrene	mg/L	NA	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	0.00073 U	0.005 U	NA	NA	NA	0.005 U
Benzo(b)fluoranthene	mg/L	NA	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	0.00094 U	0.005 U	NA	NA	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	NA	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	0.00085 U	0.005 U	NA	NA	NA	0.005 U
Benzo(k)fluoranthene	mg/L	NA	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	0.00084 U	0.005 U	NA	NA	NA	0.005 U
Biphenyl	mg/L	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	0.0026 U	0.01 U	NA	NA	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	NA	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	0.00087 U	0.005 U	NA	NA	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	NA	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	0.00097 U	0.005 U	NA	NA	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	NA	0.005 U	0.005 U	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	NA	NA	0.005 U
Butyl benzylphthalate	mg/L	NA	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:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	05/20/04	10/27/04	05/11/05	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	12/16/03	11/01/04	05/12/05
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	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	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	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	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	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	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	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	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	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	NA	NA	NA	NA

Appendix C
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RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	05/20/04	10/27/04	05/11/05	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	12/16/03	11/01/04	05/12/05
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	05/20/04	10/27/04	05/11/05	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	12/16/03	11/01/04	05/12/05
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	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	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	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	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	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	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	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	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	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	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	0.000054 U	0.0002 U	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	0.00011 U	0.0002 U	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	0.000056 U	0.0004 U	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	0.000075 U	0.0002 U	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	0.000061 U	0.0002 U	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	0.000082 U	0.0002 U	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	0.000044 U	0.0002 U	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	0.000482 U	0.0016 U	NA	NA	NA	0.0016 U
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 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	0.000054 U	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	0.00011 U	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	0.000056 U	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	0.000075 U	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	0.000061 U	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	0.000082 U	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	0.000044 U	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000482 U	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00011 U	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	0.003 J	0.025 U	NA	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.0038 J	0.01 U	0.0012 J	0.0035	0.002	0.0012 J	0.0927	NA	NA	NA	NA	0.03	0.0236	NA	NA	NA	0.01 U
Barium	mg/L	0.197	0.209	0.247	0.237	0.178	0.188	0.198	0.212	0.431	NA	NA	NA	NA	0.0473	0.0572	NA	NA	NA	0.0567
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	NA	NA	NA	0.00054 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	0.0013 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	0.005 U
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U	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	NA	NA	0.0134
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	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	NA	NA	0.0107 J
Copper	mg/L	0.005 U	0.005 U	0.005 U	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	NA	NA	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	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	0.0052	NA	NA	NA	NA	0.003	0.003 U	NA	NA	NA	0.003 U
Manganese	mg/L	0.273	0.251	0.262	0.259	0.172	0.181	0.221	0.199	0.348	NA	NA	NA	NA	0.0541	0.234	NA	NA	NA	0.315
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	NA	NA	NA	0.00017 J	0.0002 U	NA	NA	NA	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.02 U	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	NA	NA	0.0135 J
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	0.0063	NA	NA	NA	NA	0.0045 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	0.003 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	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	0.000031 J	0.000048 J	0.001 U	0.001 U	NA	NA	NA	NA	0.005 U	0.000025 J	NA	NA	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	0.0069 J	NA	NA	NA	NA	0.0171	0.0078 J	NA	NA	NA	0.01 U
Zinc	mg/L	0.02 U	0.0152 J	0.02 U	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	NA	NA	0.0304

Appendix C
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RACER Trust
Pontiac North Campus

Sample ID:		MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1R	MWF1R	MWF1R	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01	MWF7-01
Date Collected:	Units	05/20/04	10/27/04	05/11/05	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	12/16/03	11/01/04	05/12/05
Inorganics-Filtered																				
Antimony (Dissolved)	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 J	0.025 U	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0416	0.0124	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0386	0.0646	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0154	0.005 U	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.246	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0324	0.269	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000069 U	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0036 J	0.0027 J	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.000025 J	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0247	0.003 J	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0158 J	0.0208	NA	NA	NA	NA
Miscellaneous																				
pH (water)	none	NA	NA	NA	NA	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	NA	NA	NA	NA
Field Parameters																				
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	2.5	NA	NA	NA	NA	4.011	3.803	3.325	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	2.17	NA	NA	NA	NA	NA	2,660	2.87	2.99	4.49 [4.49]	NA	NA	2.835	NA	NA	1.59	1.62	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.0	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	0.21	0.35	0.45	0.42	0.51 [0.51]	0.35	0.16	0.69	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	220	162	132	-17	-54 [-54]	-20.6	-54.4	-36.5	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	6.89	6.85	6.81	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.99	7.16
pH Field	s.u.	6.3	NA	NA	NA	NA	6.14	6.82	7.17	7.06	6.73 [6.73]	6.82	6.83	7.19	NA	NA	8.72	7.01	NA	NA
Temperature	Deg C	20.4	NA	NA	NA	NA	13.7	14.89	14.77	13.35	10.03 [10.03]	14.52	17.56	17.37	NA	NA	22.96	20.17	NA	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	45	NA	35	55	25 [25]	45	72	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	4.9	NA	NA	NA	NA	4.9	4.37	2.2	NA	1.2 [1.2]	1.8	0.61	3.21	NA	NA	1.88	0.81	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	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	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	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05
VOCs																				
1,1,1-Trichloroethane	mg/L	0.023	0.028	0.023	0.034	0.0075	0.014	0.036	0.023	0.014	0.0075	0.03	0.035	0.073	0.06 J	0.037	0.058	NA	0.081	0.049
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	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
1,1-Dichloroethane	mg/L	0.017	0.013	0.0083	0.016	0.0019	0.0048	0.012	0.0065	0.0048	0.0032	0.0045	0.0054	0.025	0.017 J	0.0066	0.0059	NA	0.008	0.0043
1,1-Dichloroethene	mg/L	0.0068	0.0083	0.003	0.007	0.00093 J	0.0017	0.0056	0.0027	0.0019	0.00073 J	0.0035	0.0028	0.0058	0.0034 J	0.0028	0.0048	NA	0.01	0.0014 J
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 UJ
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	0.0033 U	0.002 U	<0.001	0.001 U	0.002 U	0.004 U	0.005 U	0.004 UJ	0.0029 UJ	0.004 U	NA	0.005 UJ	0.0033 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	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 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	0.017 U	0.01 U	0.025 U	0.025 U	0.01 U	0.02 U	0.025 UJ	0.02 UJ	0.014 U	0.02 U	NA	0.025 U	0.017 U
2-Hexanone	mg/L	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	0.02 U	0.025 UJ	0.02 UJ	0.014 U	0.02 U	NA	0.025 UJ	0.017 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	0.017 U	0.01 U	0.05 U	0.05 U	0.01 U	0.02 U	R	R	0.014 U	0.02 U	NA	0.025 U	0.017 U
Acetone	mg/L	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	0.02 UJ	0.025 UJ	0.02 UJ	0.014 U	0.02 U	NA	0.025 U	0.017 U
Benzene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Bromodichloromethane	mg/L	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	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 U	0.0017 U
Bromoform	mg/L	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	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 U	0.0017 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.002 UJ	0.0025 UJ	R	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Carbon disulfide	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Carbon tetrachloride	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Chlorobenzene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Chloroethane	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Chloroform (Trichloromethane)	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Chloromethane (Methyl Chloride)	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
cis-1,2-Dichloroethene	mg/L	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	0.001 U	0.0016	0.0013 J	0.00074	0.001 U	NA	0.00067 J	0.0017 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Cyclohexane	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Dibromochloromethane	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0033 UJ	0.002 UJ	0.001 U	0.001 U	0.002 U	0.004 U	0.005 U	0.004 UJ	0.0029 U	0.004 U	NA	0.005 U	0.0033 U
Ethylbenzene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Isopropylbenzene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Methyl acetate	mg/L	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	0.02 U	0.025 U	0.02 UJ	0.014 U	0.02 U	NA	0.025 U	0.017 U
Methyl cyclohexane	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 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	0.0084 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.012 U	0.01 UJ	0.0072 U	0.01 UJ	NA	0.012 U	0.0084 U
Methylene chloride	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Styrene	mg/L	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	0.002 U	0.0025 U	R	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Tetrachloroethene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Toluene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 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	0.0017 U	0.001 U	NA	NA	0.001 U	0.002 U	0.0025 U	0.002 U	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
trans-1,2-Dichloroethene	mg/L	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	0.001 U	0.0012 U	0.001 UJ	0.00072 U	0.001 U	NA	0.0025 U	0.0017 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	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 UJ	0.0017 U
Trichloroethene	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 UJ	NA	0.0025 U	0.0017 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Vinyl chloride	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U
Xylene (total)	mg/L	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	0.002 U	0.0025 U	0.002 UJ	0.0014 U	0.002 U	NA	0.005 U	0.0033 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	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	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	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05
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	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	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	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	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	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.005 U	NA	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	0.01 U	NA	NA	NA	NA	R	0.01 U	0.01 UJ	R	0.01 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA
4-Nitrophenol	mg/L	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	0.02 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	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	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	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														

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	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	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	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05
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	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	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	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	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	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	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	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	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	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	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	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	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	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	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	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05
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	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	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	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	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	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	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	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	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	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	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	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA
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	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA
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	NA	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	NA	0.0004 U	NA
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	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA
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	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA
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	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	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	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA
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	NA	NA	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA
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	NA	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA
Pests/PCBs-Filtered																				
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	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	0.0002 U	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	0.0004 U	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	0.0002 U	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	0.0002 U	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	0.0002 U	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	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U	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	NA	NA	NA	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	NA
Arsenic	mg/L	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	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA
Barium	mg/L	0.0539	0.0594	0.0533	0.032	0.0586	0.0901	0.127	NA	NA	NA	NA	0.0353	0.0406	0.0246 J	0.0325	0.0365	0.0424	0.0542	NA
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	NA	NA	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA
Cadmium	mg/L	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	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA
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	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA
Cobalt	mg/L	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	0.02 U	0.00097 J	0.00093 J	0.02 U	0.02 U	0.02 U	0.02 U	NA
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	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.0023 J	0.005 U	0.005 U	0.005 U	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	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	NA	NA	NA	NA	0.003 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	NA
Manganese	mg/L	0.272	0.415	0.311	0.187	0.376	0.421	0.573	NA	NA	NA	NA	1.11 J	1.23	1.05 J	1.07	1.55	1.26	1.18	NA
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	NA	NA	NA	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA
Nickel	mg/L	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	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	NA
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	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA
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	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	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	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	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	0.000019 J	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA
Vanadium	mg/L	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	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA
Zinc	mg/L	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	0.02 U	0.02 U	0.02 UJ	0.0329 U	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:		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	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-01
Date Collected:	Units	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	01/04/02	11/13/02	05/19/03	12/16/03	05/04/04	05/20/04	10/27/04	04/01/05
Inorganics-Filtered																				
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	0.025 U	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.037	NA	NA	NA	NA	0.046	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	0.001 U	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	0.02 U	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	0.003 U	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	NA	NA	NA	NA	1.13	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	0.0002 U	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0034 J	NA	NA	NA	NA	0.02 U	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000029 J	NA	NA	NA	NA	0.001 U	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	0.0306 U	NA
Miscellaneous																				
pH (water)	none	NA	NA	NA	NA	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	NA	NA	NA	NA
Field Parameters																				
Conductivity Field	mS/cm	NA	NA	1.189	NA	NA	NA	NA	NA	1.668	1.538	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	1.231	1.34	1.81	2.72	2	NA	1.285	NA	NA	NA	NA	1.206	NA	1.49	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	0.48	0.59	0.44	0.34	0.25	0.44	0.39	1.18	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	222	136	149	-44	-53	-50	19.8	-7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	6.9	6.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA
pH Field	s.u.	NA	NA	7.24	6.96	6.66	7.18	6.9	6.77	6.91	6.99	NA	NA	NA	NA	6.96	NA	6.4	NA	NA
Temperature	Deg C	NA	NA	19.2	19.73	21.16	18.31	21.52	16.94	18.68	16.55	NA	NA	NA	NA	13.77	NA	16.1	NA	NA
Temperature, Ambient	Deg F	NA	NA	50	NA	35	65	60	25	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	NA	NA	1.4	0.5	2.9	NA	1.03	1.88	0.51	1.85	NA	NA	NA	NA	1.44	NA	4.1	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	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	05/11/05	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	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03	12/16/03
VOCs																		
1,1,1-Trichloroethane	mg/L	0.049	0.079	0.035	0.013	0.022	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	0.00025 J
1,1,2,2-Tetrachloroethane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U	0.001 U	0.001 U	0.001 U	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	0.0053	0.0059	0.01	0.0008 J	0.0042	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	0.00098 J
1,1-Dichloroethene	mg/L	0.0048	0.006	0.0057	0.00037 J	0.0014	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	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 UJ	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	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.004 U	0.002 U	0.002 U	0.002 U	0.002 UJ	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	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
1,2-Dichlorobenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
1,2-Dichloroethane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
1,2-Dichloropropane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
1,3-Dichlorobenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
1,4-Dichlorobenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	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	0.01 U
2-Hexanone	mg/L	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	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	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	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	0.01 U
Acetone	mg/L	0.02 U	0.01 U	0.01 UJ	0.01 U	0.01 U	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	0.01 U
Benzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Bromodichloromethane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	R
Bromoform	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	R
Bromomethane (Methyl Bromide)	mg/L	0.002 UJ	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Carbon disulfide	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Carbon tetrachloride	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Chlorobenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Chloroethane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Chloroform (Trichloromethane)	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.002 U	0.001 U	0.00019 J	0.001 U	0.001 U	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	0.001 U
cis-1,2-Dichloroethene	mg/L	0.00047 J	0.0003 J	0.00057 J	0.001 U	0.001 U	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	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Cyclohexane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Dibromochloromethane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U	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	0.002 U
Ethylbenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Isopropylbenzene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Methyl acetate	mg/L	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	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	0.01 U
Methyl cyclohexane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Methyl Tert Butyl Ether	mg/L	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U
Methylene chloride	mg/L	0.002 U	0.001 UJ	0.001 U	0.001 U	0.001 U	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	0.001 U
Styrene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Tetrachloroethene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Toluene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
trans-1,2-Dichloroethene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	R
Trichloroethene	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Vinyl chloride	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	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	0.001 U
Xylene (total)	mg/L	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U	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	0.001 U

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	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	05/11/05	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	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03	12/16/03	
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	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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	R	
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 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	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 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	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 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	0.02 U	
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	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	0.02 UJ	
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	0.00045 J	
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	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 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	0.005 U	
Hexachlorocyclopentadiene	mg/L	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	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	R	
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	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 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	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 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 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	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	05/11/05	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	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03	12/16/03
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	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	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	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	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	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	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	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	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	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	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	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	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	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	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	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	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	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	05/11/05	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	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03	12/16/03
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	05/11/05	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	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03	12/16/03	
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	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	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	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	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	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ	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	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ	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	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	0.0004 U [0.0004 U]	0.0004 UJ	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	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ	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	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ	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	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	0.0002 U [0.0002 U]	0.0002 UJ	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	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	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	NA	NA	NA	NA	0.0016 U [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	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	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	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0016 U [0.0016 U]	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U [0.0004 U]	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	NA	NA	NA	NA	NA	0.025 U [0.025 U]	0.025 U [0.025 U]	0.025 UJ	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.01 U	0.002 U	0.002 U	0.002 U	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	0.01 U	0.01 U
Barium	mg/L	0.067	0.0831	0.063	0.0972	0.0997	0.0892	0.0777	0.0596	NA	NA	NA	NA	NA	0.0475 [0.0365]	0.061 [0.0596]	0.0646 J	0.0687	0.0687
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	NA	NA	NA	NA	NA	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	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	NA	NA	NA	NA	NA	0.005 U [0.005 U]	0.00039 J [0.00031 J]	0.005 UJ	0.005 U	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	NA	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ	0.01 U	0.01 U
Cobalt	mg/L	0.0014 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	NA	0.0052 J [0.02 U]	0.0022 J [0.0025 J]	0.0021 J	0.002 J	0.002 J
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.002 J	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	0.0027 J	0.0027 J
Cyanide (total)	mg/L	NA	NA	NA	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	NA	NA	NA	NA	NA	0.003 U [0.003 U]	0.003 U [0.003 U]	0.003 UJ	0.003 U	0.003 U
Manganese	mg/L	1.64	1.25	1.52	1.22	1.11	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	0.956	0.956
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	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 UJ	0.0002 U	0.0002 U
Nickel	mg/L	0.0027 J	0.0015 J	0.0033 J	0.0017 J	0.0036 J	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	0.0056 J	0.0056 J
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	NA	NA	NA	NA	NA	0.0046 J [0.005 U]	0.005 U [0.005 U]	0.005 UJ	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	NA	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	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	NA	NA	NA	NA	NA	0.000077 J [0.000024 J]	0.001 U [0.001 U]	0.001 UJ	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	NA	NA	NA	NA	NA	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ	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	0.0052 J	0.0082 J	NA	NA	NA	NA	NA	0.02 U [0.02 U]	0.02 U [0.0287]	0.02 UJ	0.0229 U	0.0229 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	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	05/11/05	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	09/22/11	10/03/12	09/05/01	01/04/02	11/13/02	05/19/03	12/16/03	
Inorganics-Filtered																			
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U [0.025 U]	NA	NA	NA	
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA	NA	
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.052 [0.0371]	NA	NA	NA	
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00067 J [0.001 U]	NA	NA	NA	
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA	NA	
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0051 J [0.02 U]	NA	NA	NA	
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U [0.003 U]	NA	NA	NA	
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.74 J [1.17 J]	NA	NA	NA	
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0044 J [0.0033 J]	NA	NA	NA	
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000077 J [0.001 U]	NA	NA	NA	
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA	NA	
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U [0.02 UJ]	NA	NA	NA	
Miscellaneous																			
pH (water)	none	NA	NA	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	NA	NA	
Field Parameters																			
Conductivity Field	mS/cm	NA	NA	NA	3.23	NA	NA	NA	NA	NA	1.172	1.721	1.283	NA	NA	NA	NA	NA	
Conductivity Field	umhos/cm	NA	NA	NA	NA	3,350	2.74	2.71	2.71	2.25	NA	NA	1.062	NA	NA	NA	NA	2.54	
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.7	NA	NA	NA	NA	NA	
Dissolved Oxygen, Field	mg/L	NA	NA	NA	0.14	0.36	0.33	0.53	0.18	0.17	0.18	0.23	0.95	NA	NA	NA	NA	NA	
ORP, Field	millivolts	NA	NA	NA	216	132	162	129	19	-29	31.8	4.4	-31.6	NA	NA	NA	NA	NA	
pH Field	pH Units	7.04	6.7	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
pH Field	s.u.	NA	NA	NA	7.16	6.88	6.77	6.84	6.97	6.97	7.05	6.93	7.21	NA	NA	NA	NA	6.91	
Temperature	Deg C	NA	NA	NA	14.8	14.09	14.67	15.23	17.07	9.39	15.50	16.7	16.10	NA	NA	NA	NA	14.02	
Temperature, Ambient	Deg F	NA	NA	NA	50	NA	35	65	60	25	37	67	NA	NA	NA	NA	NA	NA	
Turbidity (Field)	NTU	NA	NA	NA	1.6	0.18	0.3	NA	4.61	1.87	1	0.28	2.16	NA	NA	NA	NA	0.31	

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
Date Collected:	Units	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	0.00026 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	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	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	0.0032	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	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	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 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	0.005 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	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	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	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	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	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	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	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 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	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	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	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	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
Date Collected:	Units	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	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	NA	0.005 U	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	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	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	NA	0.005 U	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	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	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	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	NA	0.005 U	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	NA	0.005 U	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	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	NA	0.005 U	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	NA	0.005 U	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	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	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	NA	0.005 U	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	NA	0.005 U	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	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	NA	0.005 U	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	NA	0.005 U	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	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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 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	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	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	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	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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	NA	0.005 U	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
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

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
Date Collected:	Units	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
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:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	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
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-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-Heptachlorodibenzofuran (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:		MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02	MWF12-02
Date Collected:	Units	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
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	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	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	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	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	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	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	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	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	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
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	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
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	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
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	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
Total PCBs-Realm/Encore	mg/L	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
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	0.0022 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	0.002 U	0.002 U	0.002 U	0.002 U	0.0028	0.002 U
Barium	mg/L	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
Cadmium	mg/L	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	0.0026 J	0.01 U
Cobalt	mg/L	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	0.0025 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
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
Manganese	mg/L	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
Nickel	mg/L	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	0.0066 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	0.0031 J	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	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	0.0022 J	0.01 U
Zinc	mg/L	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
Date Collected:	Units	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	0.025 U [0.025 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.01 U [0.01 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	0.0768 [0.078]	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
Cadmium (Dissolved)	mg/L	NA	0.00045 J [0.00039 J]	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
Cobalt (Dissolved)	mg/L	NA	0.0018 J [0.002 J]	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
Lead (Dissolved)	mg/L	NA	0.003 U [0.003 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	1.25 [1.28]	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
Nickel (Dissolved)	mg/L	NA	0.0047 J [0.005 J]	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
Silver (Dissolved)	mg/L	NA	0.005 U [0.005 U]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	0.001 U [0.001 U]	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
Zinc (Dissolved)	mg/L	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
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	NA	NA	3.73	NA	NA	NA	NA
Conductivity Field	umhos/cm	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
Dissolved Oxygen, Field	mg/L	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	230	128	171	91	39
pH Field	pH Units	NA	NA	6.92	6.85	6.4	6.61	NA	NA	NA	NA	NA
pH Field	s.u.	NA	6.5	NA	NA	NA	NA	6.55	6.72	6.77	6.5	6.85
Temperature	Deg C	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	50	NA	35	65	60
Turbidity (Field)	NTU	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	MWM16-21	MWM16-22	MWM16-22	MWM16-22	MWM16-22	MWM16-43	MWM16-43
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	05/09/08	11/05/08	09/02/05	11/09/05	
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	0.001 U	0.001 U	0.002 U	0.001 U	0.00035 J
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	0.001 U	0.001 U	0.002 UJ	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	0.001 U	0.001 U	0.002 U	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	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 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	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	0.001 U	0.001 U	0.002 U	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	0.002 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	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	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	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	0.001 U	0.001 UJ	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 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	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	0.01 U	0.01 U	0.02 U	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	0.01 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	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	0.01 U	0.01 U	0.02 U	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	0.01 U	0.01 U	0.098	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	0.001 U	0.001 U	0.002 U	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	0.001 U	0.001 UJ	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	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	0.001 UJ	0.001 UJ	0.002 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	0.001 U	0.017 U	0.001 U	0.005 U	0.005U	0.005U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.001 U	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.017 U	0.001 UJ	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	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	0.001 U	0.001 UJ	0.002 U	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	0.001 U	0.001 U	0.002 U	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	0.001 U	0.001 U	0.002 U	0.001 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	0.001 U	0.001 UJ	0.002 UJ	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	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	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	0.002 U	0.002 U	0.004 U	0.002 UJ	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	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.005 U	0.005U	0.005U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.17 U	0.01 U	0.01 U	0.01U	0.01U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	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	0.001 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	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	0.005 U	0.005 U	0.01 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	0.021	0.001 U	0.005 U	0.005U	0.005U	0.001 U	0.001 U	0.001 U	0.001 U	0.0038	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	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.001 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	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	0.001 U	0.001 U	0.002 U	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	0.001 U	0.001 U	0.002 U	0.001 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	0.001 U	0.001 U	0.002 UJ	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	0.001 U	0.001 U	0.002 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 U	0.001 U	0.017 UJ	0.001 UJ	0.001 U	0.001U	0.001U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.002 UJ	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	0.017 U	0.001 U	0.001 U	0.001U	0.001U	0.001 U	0.001 U	0.				

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	MWM16-22	MWM16-22	MWM16-43	MWM16-43
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	05/09/08	11/05/08	09/02/05	11/09/05
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	NA	NA	0.005 U	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2,4-Dichlorophenol	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
2,4-Dimethylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2,4-Dinitrophenol	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
2,4-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2,6-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2-Chloronaphthalene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2-Chlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2-Methylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
2-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
2-Nitrophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
3-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
4-Chloroaniline	mg/L	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
4-Methylphenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
4-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
4-Nitrophenol	mg/L	0.02 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
Acenaphthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Acetophenone	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Anthracene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Atrazine	mg/L	0.0007 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Benzaldehyde	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Benzo(a)anthracene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Benzo(a)pyrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Benzo(b)fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Benzo(k)fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Biphenyl	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Butyl benzylphthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Caprolactam	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Carbazole	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Chrysene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Dibenzofuran	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Diethyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Dimethyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Di-n-octyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Fluorene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Hexachlorobenzene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Hexachlorobutadiene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Hexachloroethane	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA

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

Sample ID:		MWM16-05	MWM16-05	MWM16-05	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-21	MWM16-22	MWM16-22	MWM16-22	MWM16-22	MWM16-43	MWM16-43
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	05/09/08	11/05/08	09/02/05	11/09/05	
SVOCs																			
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Isophorone	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Methylphenol (Cresol)	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Naphthalene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Nitrobenzene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
N-Nitrosodi-n-propylamine	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
N-Nitrosodiphenylamine	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Pentachlorophenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Phenanthrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Phenol	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	
Pyrene	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	NA	
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	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	NA	NA	
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	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	NA	NA	
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	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	NA	NA	
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWM16-21	MWM16-22	MWM16-22	MWM16-22	MWM16-22	MWM16-43	MWM16-43
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	05/09/08	11/05/08	09/02/05	11/09/05	
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	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	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	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	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	NA	NA	0.0002 U	NA	NA
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	NA	NA	0.0002 U	NA	NA
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	NA	NA	0.0004 U	NA	NA
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	NA	NA	0.0002 U	NA	NA
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	NA	NA	0.0002 U	NA	NA
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	NA	NA	0.0002 U	NA	NA
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	NA	NA	0.00008 J	NA	NA
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	NA	NA	0.00058	NA	NA
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	NA	NA	0.00008 J	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	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	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	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	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	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	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	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	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	NA	NA	NA
Inorganics																			
Antimony	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
Arsenic	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Barium	mg/L	0.0248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.136	NA	NA
Beryllium	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA
Cadmium	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Chromium (Total)	mg/L	0.0059 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Cobalt	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
Copper	mg/L	0.004 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	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	NA	NA	0.003 U	NA	NA
Manganese	mg/L	0.0017 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.24	NA	NA
Mercury	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA
Nickel	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0046 J	NA	NA
Selenium	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Silver	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	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	NA	NA	0.000049 J	NA	NA
Vanadium	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Zinc	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA

Appendix C
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
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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	MWM16-22	MWM16-22	MWM16-43	MWM16-43
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	05/09/08	11/05/08	09/02/05	11/09/05
Inorganics-Filtered																		
Antimony (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	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	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	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	NA	NA
pH (water)	s.u.	NA	NA	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	0.752	1.074	1.271	NA	NA	NA	NA	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	3.98	3.86	NA	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.3	NA	NA	NA	NA	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	0.24	0.18	NA	NA
ORP, Field	millivolts	NA	67	NA	NA	NA	-99	-93	-142	-61.1	-45.2	-67.0	NA	NA	-69	-138	NA	NA
pH Field	pH Units	NA	NA	NA	NA	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	7.22	6.73	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	12.6	13.12	NA	NA
Temperature, Ambient	Deg F	NA	60	60	NA	NA	60	60	25	35	56	NA	NA	NA	60	60	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	0.75	1.22	NA	NA

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

Sample ID:		MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54	MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	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	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03
VOCs																
1,1,1-Trichloroethane	mg/L	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	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,1,2,2-Tetrachloroethane	mg/L	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	0.00025 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,1,2-Trichloroethane	mg/L	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	0.0003 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,1-Dichloroethane	mg/L	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	0.00016 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,1-Dichloroethene	mg/L	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	0.00024 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,2,4-Trichlorobenzene	mg/L	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	0.001 U	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	0.002 U	0.002 U	0.00062 U	0.002 U	0.002 UJ	0.002 U [0.002 U]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	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	0.00022 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,2-Dichlorobenzene	mg/L	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	0.00011 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,2-Dichloroethane	mg/L	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	0.00021 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,2-Dichloropropane	mg/L	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	0.001 UJ	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,3-Dichlorobenzene	mg/L	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	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
1,4-Dichlorobenzene	mg/L	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	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
2-Butanone (Methyl Ethyl Ketone)	mg/L	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	0.01 U	0.01 U	0.00041 UJ	0.0007 J	0.01 UJ	0.01 UJ [0.01 UJ]
2-Hexanone	mg/L	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	0.01 U	0.01 U	0.00046 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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	0.01 U	0.01 U	0.00023 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Acetone	mg/L	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	0.017	0.01 U	0.00051 UJ	0.0021 J	0.01 UJ	0.01 U [0.01 U]
Benzene	mg/L	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	0.00016 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Bromodichloromethane	mg/L	NA	0.001 UJ	0.001 U	0.001 U	0.001	0.00039 J	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Bromoform	mg/L	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	0.00018 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Bromomethane (Methyl Bromide)	mg/L	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	0.001 UJ	0.001 U	0.0002 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Carbon disulfide	mg/L	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	0.001 U	0.001 U	0.0002 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Carbon tetrachloride	mg/L	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	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Chlorobenzene	mg/L	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	0.00014 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Chloroethane	mg/L	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	0.00026 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Chloroform (Trichloromethane)	mg/L	NA	0.001 UJ	0.001 U	0.001 U	0.001	0.00061 J	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Chloromethane (Methyl Chloride)	mg/L	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	0.001 U	0.001 U	0.00013 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
cis-1,2-Dichloroethene	mg/L	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	0.00022 U	0.0005 U	0.0005 UJ	0.0005 U [0.0005 U]
cis-1,3-Dichloropropene	mg/L	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	0.001 UJ	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Cyclohexane	mg/L	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	0.00013 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Dibromochloromethane	mg/L	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	0.001 U	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Dichlorodifluoromethane (CFC-12)	mg/L	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	0.002 U	0.002 UJ	0.00026 U	0.002 U	0.002 UJ	0.002 U [0.002 U]
Ethylbenzene	mg/L	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	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Isopropylbenzene	mg/L	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	0.001 U	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Methyl acetate	mg/L	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	0.01 U	0.01 U	0.00041 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Methyl cyclohexane	mg/L	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	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Methyl Tert Butyl Ether	mg/L	NA	0.005 U	0.005 U	0.005 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	0.005 UJ	0.005 U [0.005 U]
Methylene chloride	mg/L	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	0.001 U	0.001 U	0.00034 U	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]
Styrene	mg/L	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	0.00015 U	0.001 U	R	R [R]
Tetrachloroethene	mg/L	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 UJ	0.00023 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Toluene	mg/L	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	0.00018 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Total 1,3 Dichloropropenes	mg/L	NA	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.00027 U	0.001 U	0.001 U	0.001 U [0.001 U]
trans-1,2-Dichloroethene	mg/L	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	0.00015 U	0.0005 U	0.0005 UJ	0.0005 U [0.0005 U]
trans-1,3-Dichloropropene	mg/L	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	0.00027 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Trichloroethene	mg/L	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	0.00014 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Trichlorofluoromethane (CFC-11)	mg/L	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	0.00028 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Trifluorotrichloroethane (Freon 113)	mg/L	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	0.00032 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Vinyl chloride	mg/L	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	0.00015 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Xylene (total)	mg/L	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	0.002 U	0.002 U	0.00033 U	0.001 U	0.001 UJ	0.001 U [0.001 U]

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

Sample ID:		MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54	MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	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	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00078 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2,4,5-Trichlorophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0012 UJ	0.005 U	0.005 UJ	0.005 U [0.005 U]
2,4,6-Trichlorophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0017 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2,4-Dichlorophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00085 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
2,4-Dimethylphenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00085 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2,4-Dinitrophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 UJ	0.02 U	0.02 UJ	0.02 U [0.02 U]
2,4-Dinitrotoluene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00079 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2,6-Dinitrotoluene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00057 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2-Chloronaphthalene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00085 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2-Chlorophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2-Methylnaphthalene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00064 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2-Methylphenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
2-Nitroaniline	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0007 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
2-Nitrophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0021 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
3,3'-Dichlorobenzidine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00093 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
3-Nitroaniline	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00071 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
4,6-Dinitro-2-methylphenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
4-Bromophenyl phenyl ether	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00088 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
4-Chloro-3-methylphenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00099 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
4-Chloroaniline	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00061 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
4-Chlorophenyl phenyl ether	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00079 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
4-Methylphenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
4-Nitroaniline	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
4-Nitrophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0019 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
Acenaphthene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0008 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Acenaphthylene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00071 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Acetophenone	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0026 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Anthracene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00068 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Atrazine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Benzaldehyde	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0028 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Benzo(a)anthracene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0007 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Benzo(a)pyrene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00073 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Benzo(b)fluoranthene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00094 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Benzo(g,h,i)perylene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00085 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Benzo(k)fluoranthene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00084 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Biphenyl	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0026 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
bis(2-Chloroethoxy)methane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00087 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
bis(2-Chloroethyl)ether	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	0.005 U	0.005 UJ	0.005 U [0.005 U]
bis(2-Ethylhexyl)phthalate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0027 U	0.005 U	0.005 UJ	0.0004 J [0.0013 J]
Butyl benzylphthalate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00088 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Caprolactam	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 UJ	0.01 U	0.01 UJ	0.01 U [0.01 U]
Carbazole	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Chrysene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00075 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Dibenz(a,h)anthracene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00079 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Dibenzofuran	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Diethyl phthalate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00065 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Dimethyl phthalate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00076 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Di-n-butylphthalate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00067 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Di-n-octyl phthalate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Fluoranthene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00081 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Fluorene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Hexachlorobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00074 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Hexachlorobutadiene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	0.005 U	0.005 UJ	0.005 U [0.005 U]
Hexachlorocyclopentadiene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	0.005 U	0.005 UJ	R [R]
Hexachloroethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00074 U	0.005 U	0.005 UJ	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:		MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54	MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	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	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00063 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Isophorone	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00063 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Methylphenol (Cresol)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.005 U	0.005 U	0.005 U [0.005 U]
Naphthalene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00075 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Nitrobenzene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00081 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
N-Nitrosodi-n-propylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00067 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
N-Nitrosodiphenylamine	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Pentachlorophenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0024 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Phenanthrene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Phenol	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0026 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Pyrene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.005 U	0.005 UJ	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	0.0000000018 U	0.00000005 U	0.0000000063 UJ	0.0000000097 U [0.00000001 U]
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	0.0000000022 U	0.00000005 U	0.0000000086 UJ	0.0000000086 U [0.000000011 U]
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000008 U	0.000000025 U	0.0000000039 UJ	0.0000000033 U [0.0000000035 U]
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.000000025 U	0.000000004 UJ	0.0000000051 U [0.0000000054 U]
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000001 U	0.000000025 U	0.0000000037 UJ	0.0000000038 U [0.0000000041 U]
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000005 U	0.000000025 U	0.0000000048 UJ	0.0000000047 U [0.0000000052 U]
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000008 U	0.000000025 U	0.0000000042 UJ	0.0000000056 U [0.0000000054 U]
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000005 U	0.000000025 U	0.0000000047 UJ	0.0000000044 U [0.0000000047 U]
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000009 U	0.000000025 U	0.0000000044 UJ	0.0000000053 U [0.0000000052 U]
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000007 U	0.000000025 U	0.0000000053 UJ	0.000000005 U [0.0000000055 U]
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000008 U	0.000000025 U	0.000000004 UJ	0.0000000052 U [0.000000005 U]
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000001 U	0.000000001 U	0.0000000026 UJ	0.0000000036 U [0.0000000037 U]
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000013 U	0.000000001 U	0.000000004 UJ	0.000000005 U [0.000000006 U]
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000006 U	0.000000025 U	0.0000000049 UJ	0.0000000046 U [0.000000005 U]
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000009 U	0.000000001 U	0.0000000026 UJ	0.0000000035 U [0.0000000036 U]
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000009 U	0.000000001 U	0.0000000016 UJ	0.0000000022 U [0.0000000027 U]
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.000000001 U	0.0000000021 UJ	0.0000000035 U [0.0000000033 U]
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000008 U	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000006 U	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000009 U	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000009 U	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000012 J	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000009 U	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000295 U	0.0000000399 U	0.00000000905 U	0.0000000118 U [0.0000000123 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	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:		MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54	MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	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	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03
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	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	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.000054 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.00011 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U	NA	NA	0.000056 UJ	0.0004 U	0.0004 UJ	0.0004 U [0.0004 U]
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.000075 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.000061 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.000082 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.000044 UJ	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Total PCBs-Realm/Encore	mg/L	0.0016 U	NA	NA	NA	NA	NA	NA	0.0016 U	0.0016 U	NA	NA	0.000482 U	0.0016 U	0.0016 U	0.0016 U [0.0016 U]
Total PCBs	mg/L	0.0004 U	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U	NA	NA	0.00011 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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.025 U	0.025 UJ	0.025 U [0.025 U]
Arsenic	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0109	0.0053 J	0.0021 J	0.01 U [0.01 U]
Barium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.155	0.137	0.178 J	0.2 [0.186]
Beryllium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	0.001 UJ	0.001 U [0.001 U]
Cadmium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	0.005 U	0.005 UJ	0.00049 J [0.00046 J]
Chromium (Total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Cobalt	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
Copper	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0027 J	0.01 U	0.0023 J	0.01 U [0.0092 J]
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	0.003 UJ	0.003 U [0.003 U]
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.539 J	0.448 J	0.464 J	0.532 [0.486]
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00012 J	0.0002 U	0.0002 UJ	0.0002 U [0.0002 U]
Nickel	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.02 U	0.02 UJ	0.02 U [0.02 U]
Selenium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	0.005 UJ	0.005 U [0.005 U]
Silver	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	0.005 UJ	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000018 U	0.001 U	0.001 UJ	0.001 U [0.000045 J]
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U	0.01 U	0.01 UJ	0.01 U [0.01 U]
Zinc	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.02 U	0.02 UJ	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:		MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-43	MWM16-54	MWM16-54	MWM16-54	MWM16-54	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	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	05/09/08	11/07/08	01/17/02	11/08/02	05/19/03	12/10/03
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.163	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.558 J	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000069 U	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000018 U	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	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	1.058	1.091	1.382	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	1.31	1.52	1.428	NA	NA	1.124	NA	NA	5.79	7.28	NA	NA	NA	1.74
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	6.6	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	0.9	1.23	3.04	2.34	1.44	0.67	NA	NA	0.13	0.4	NA	NA	NA	NA
ORP, Field	millivolts	NA	-1	125	4	18.2	39.1	-28.5	NA	NA	81	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	6.9	7.2	7.1	6.96	6.96	6.83	NA	NA	6.86	6.8	NA	NA	NA	7.16
Temperature	Deg C	NA	12.32	13.76	4.98	13.58	13.56	15.31	NA	NA	18.74	NA	NA	NA	NA	9.48
Temperature, Ambient	Deg F	NA	60	50	25	33	58	NA	NA	NA	60	50	NA	NA	NA	NA
Turbidity (Field)	NTU	NA	11.1	11.3	3.8	3.78	0.16	4.16	NA	NA	2.09	4.79	NA	NA	NA	3.62

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	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08	11/06/08
VOCs												
1,1,1-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	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	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	0.001 U	0.001 U	0.001 U	0.001 UJ
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	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U [0.001 U]	NA	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	0.001 U
1,1-Dichloroethene	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	0.001 U	0.001 U	0.001 U	0.001 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 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]	NA	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	0.002 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U [0.01 U]	NA	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	0.01 U
2-Hexanone	mg/L	0.01 U [0.01 U]	NA	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	0.01 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	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U [0.01 U]	NA	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	0.0016 J
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	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	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	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	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	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	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 UJ	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U [0.001 U]	NA	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
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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U [0.001 U]	NA	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	0.001 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	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U [0.001 U]	NA	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	0.001 UJ
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	0.001 U	0.001 U	0.001 U	0.001 UJ
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	0.001 U	0.001 U	0.001 U	0.001 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	0.002 U	0.002 U	0.002 U	0.002 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	0.001 U	0.001 U	0.001 U	0.001 UJ
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	0.001 U	0.001 U	0.001 U	0.001 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	0.01 U	0.01 U	0.01 U	0.01 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	0.001 U	0.001 U	0.001 UJ	0.001 UJ
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	0.005 U	0.005 U	0.005 U	0.005 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	0.001 U	0.001 U	0.001 U	0.001 U
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	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	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	0.001 U	0.001 U	0.001 U	0.001 U
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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	R [R]	NA	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
Trichloroethene	mg/L	0.001 UJ [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	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	0.001 UJ	0.001 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 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:		MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	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]	NA	0.005 U [0.005 U]	0.005 U	0.005 U [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	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]	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	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	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	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	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	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	0.005 U	0.005 U	0.005 UJ
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	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	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	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	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	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	0.02 U	R	R
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	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	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	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	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	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	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	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	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 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	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	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	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	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	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	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	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	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	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	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 UJ [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	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	0.01 U	0.01 U	0.01 UJ
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	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	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U [0.005 U]	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	R [R]	NA	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
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	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	MWW1-02	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08	11/06/08	
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	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	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	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	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	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	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	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	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	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	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	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	0.0000000043 U [0.0000000048 U]	NA	0.0000000046 U [0.0000000021 U]	0.0000000024 U	0.000000013 U [0.000000018 U]	0.000000016 U [0.000000016 U]	0.000000038 U	0.000000019 U	0.000000014 U	0.000000024 U	0.000000046 U	0.000000046 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000021 U [0.0000000015 U]	NA	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	0.000000049 U	0.000000049 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000076 U [0.00000000087 U]	NA	0.0000000011 U [0.00000000054 U]	0.0000000014 U	0.0000000058 U [0.0000000049 U]	0.000000014 U [0.000000016 U]	0.000000002 U	0.0000000082 U	0.0000000047 U	0.0000000013 U	0.0000000026 U	0.0000000026 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000022 U [0.0000000023 U]	NA	0.0000000019 U [0.00000000062 U]	0.0000000015 U	0.000000012 U [0.000000012 U]	0.000000014 U [0.000000022 U]	0.000000027 U	0.0000000097 U	0.0000000079 U	0.0000000017 U	0.0000000036 U	0.0000000036 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000097 U [0.00000000011 U]	NA	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	0.000000003 U	0.000000003 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000001 U [0.0000000015 U]	NA	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	0.0000000031 U	0.0000000031 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000014 U [0.0000000014 U]	NA	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	0.0000000044 U	0.0000000044 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000085 U [0.00000000013 U]	NA	0.00000000056 U [0.00000000061 U]	0.0000000002 U	0.0000000052 U [0.0000000052 U]	0.0000000077 U [0.0000000074 U]	0.0000000002 U	0.000000006 U	0.000000004 U	0.0000000011 U	0.0000000027 U	0.0000000027 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000011 U [0.0000000011 U]	NA	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	0.0000000039 U	0.0000000039 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000011 U [0.0000000017 U]	NA	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	0.0000000031 U	0.0000000031 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000012 U [0.0000000012 U]	NA	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	0.0000000039 U	0.0000000039 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000011 U [0.0000000012 U]	NA	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	0.0000000033 U	0.0000000033 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000027 U [0.0000000032 U]	NA	0.0000000017 U [0.00000000021 U]	0.0000000019 U	0.0000000084 U [0.0000000092 U]	0.000000017 U [0.000000016 U]	0.0000000033 U	0.0000000013 U	0.0000000076 U	0.0000000025 U	0.0000000044 U	0.0000000044 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000097 U [0.0000000015 U]	NA	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	0.0000000003 U	0.0000000003 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000011 U [0.0000000012 U]	NA	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	0.0000000034 U	0.0000000034 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000001 U [0.0000000001 U]	NA	0.0000000026 U [0.0000000022 U]	0.0000000014 U	0.0000000037 U [0.0000000035 U]	0.0000000085 U [0.0000000094 U]	0.0000000015 U	0.0000000036 U	0.0000000036 U	0.00000000098 U	0.0000000002 U	0.0000000002 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000084 U [0.00000000096 U]	NA	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	0.0000000034 U	0.0000000034 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	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	0.000000003 U	0.000000003 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	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	0.0000000036 U	0.0000000036 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	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	0.0000000031 U	0.0000000031 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	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	0.0000000044 U	0.0000000044 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	0.0000000002 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	0.0000000034 U	0.0000000034 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	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	0.0000000044 U	0.0000000044 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	0.0000000026 U [0.0000000022 U]	0.0000000014 U	0.0000000037 U [0.0000000035 U]	0.0000000085 U [0.0000000094 U]	0.0000000015 U	0.0000000036 U	0.0000000036 U	0.00000000098 U	0.0000000002 U	0.0000000002 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	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	0.0000000034 U	0.0000000034 U
2,3,7,8-TCDD Equivalent	mg/L	0.0000000037 U [0.00000000434 U]	NA	0.00000000337 U [0.00000000349 U]	0.00000000426 U	0.000000017 U [0.0000000177 U]	0.000000031 U [0.0000000294 U]	0.0000000591 U	0.0000000255 U	0.0000000156 U	0.00000000		

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	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	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
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]	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	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	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	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	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	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	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	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	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	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
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	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
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	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
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	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
Total PCBs-Realm/Encore	mg/L	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
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]	0.0045 J [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 [0.01 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	0.0016 J
Barium	mg/L	0.216 [0.216]	0.212	0.171 [0.163]	0.147	0.147 [0.147]	0.116 [0.123]	0.126	0.0907	0.0998	0.0664	0.0758
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	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [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 [0.01 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	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	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.0025 J [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 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 [0.0031 J]	NA	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	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	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.543 [0.548]	0.638	0.41 [0.419]	0.447	0.409 [0.414]	0.376 [0.4]	0.421	0.262	0.374	0.187	1.23
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	0.02 U [0.02 U]	0.0033 J	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	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	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
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	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	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U [0.0157 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	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	MWW1-02	MWW1-02	MWW1-02
Date Collected:	Units	05/03/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	05/03/07	11/07/07	05/07/08	11/06/08
Inorganics-Filtered												
Antimony (Dissolved)	mg/L	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	0.209	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	0.647	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	0.0033 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	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
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	NA	NA	1.47	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	2.17	NA	NA	NA	NA	NA	1,580	1.063	0.951	1.49
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	NA	NA	NA	NA	0.31	0.28	0.39	1.3	0.25
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	-53	-92	-89	-62	NA
pH Field	pH Units	NA	NA	6.96	6.73	6.87	6.65	NA	NA	NA	NA	NA
pH Field	s.u.	NA	6.82	NA	NA	NA	NA	7.11	7.09	6.81	7.29	6.96
Temperature	Deg C	NA	20.1	NA	NA	NA	NA	10.21	11.46	13.75	13.66	13.94
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	40	NA	35	65	60
Turbidity (Field)	NTU	NA	1.7	NA	NA	NA	NA	3.87	0.6	4.2	NA	0.69

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	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	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	11/02/05	05/17/06	08/15/06	11/13/06
VOCs														
1,1,1-Trichloroethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,1,2,2-Tetrachloroethane	mg/L	0.00025 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,1,2-Trichloroethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,1-Dichloroethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,1-Dichloroethene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,2,4-Trichlorobenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	0.002 U	0.002 U	NA	0.01 U [0.01 U]
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,2-Dichlorobenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,2-Dichloroethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,2-Dichloropropane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,3-Dichlorobenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
1,4-Dichlorobenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
2-Butanone (Methyl Ethyl Ketone)	mg/L	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	0.01 U	0.01 U	NA	0.05 U [0.05 U]
2-Hexanone	mg/L	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	0.01 U	0.01 U	NA	0.05 U [0.05 U]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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	0.01 U	0.01 U	NA	0.05 U [0.05 U]
Acetone	mg/L	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	0.01 U	0.0019 J	NA	0.0094 J [0.0092 J]
Benzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Bromodichloromethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Bromoform	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Bromomethane (Methyl Bromide)	mg/L	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	0.001 U	0.001 U	NA	0.005 UJ [0.005 UJ]
Carbon disulfide	mg/L	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	0.0011	0.001 U	NA	0.005 U [0.005 U]
Carbon tetrachloride	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Chlorobenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Chloroethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Chloroform (Trichloromethane)	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Chloromethane (Methyl Chloride)	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
cis-1,2-Dichloroethene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
cis-1,3-Dichloropropene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Cyclohexane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Dibromochloromethane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Dichlorodifluoromethane (CFC-12)	mg/L	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	0.002 U	0.002 U	NA	0.01 U [0.01 U]
Ethylbenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Isopropylbenzene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Methyl acetate	mg/L	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	0.01 U	0.01 U	NA	0.05 U [0.05 U]
Methyl cyclohexane	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Methyl Tert Butyl Ether	mg/L	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	0.005 U	0.005 U	NA	0.025 U [0.025 U]
Methylene chloride	mg/L	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	0.001 U	0.001 U	NA	0.0047 J [0.0053]
Styrene	mg/L	0.00015 U	0.001 U	R	R	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Tetrachloroethene	mg/L	0.00023 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Toluene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Total 1,3 Dichloropropenes	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
trans-1,2-Dichloroethene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
trans-1,3-Dichloropropene	mg/L	0.00027 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 UJ	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Trichloroethene	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Trichlorofluoromethane (CFC-11)	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Trifluorotrichloroethane (Freon 113)	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Vinyl chloride	mg/L	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	0.001 U	0.001 U	NA	0.005 U [0.005 U]
Xylene (total)	mg/L	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	0.002 U	0.002 U	NA	0.01 U [0.01 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	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	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	11/02/05	05/17/06	08/15/06	11/13/06
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2,4,5-Trichlorophenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2,4,6-Trichlorophenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2,4-Dichlorophenol	mg/L	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	0.01 U	0.01 U	NA	0.01 U [0.01 U]
2,4-Dimethylphenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2,4-Dinitrophenol	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
2,4-Dinitrotoluene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2,6-Dinitrotoluene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2-Chloronaphthalene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2-Chlorophenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2-Methylnaphthalene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2-Methylphenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
2-Nitroaniline	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
2-Nitrophenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
3,3'-Dichlorobenzidine	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
3-Nitroaniline	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
4,6-Dinitro-2-methylphenol	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
4-Bromophenyl phenyl ether	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
4-Chloro-3-methylphenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
4-Chloroaniline	mg/L	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	0.01 U	0.01 U	NA	0.01 U [0.01 U]
4-Chlorophenyl phenyl ether	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
4-Methylphenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
4-Nitroaniline	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
4-Nitrophenol	mg/L	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	0.02 U	0.02 U	NA	0.02 U [0.02 U]
Acenaphthene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Acenaphthylene	mg/L	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	0.005 U	0.005 U	NA	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	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA	0.01 U [0.01 U]
Anthracene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Atrazine	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Benzaldehyde	mg/L	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	0.01 U	0.01 U	NA	0.01 U [0.01 U]
Benzo(a)anthracene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Benzo(a)pyrene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Benzo(b)fluoranthene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Benzo(g,h,i)perylene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Benzo(k)fluoranthene	mg/L	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	0.005 U	0.005 U	NA	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	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA	0.01 U [0.01 U]
bis(2-Chloroethoxy)methane	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
bis(2-Chloroethyl)ether	mg/L	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA	0.005 U [0.005 U]
bis(2-Ethylhexyl)phthalate	mg/L	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	0.005 U	0.0013 J	NA	0.005 U [0.005 U]
Butyl benzylphthalate	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Caprolactam	mg/L	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	0.01 U	0.01 U	NA	0.01 U [0.01 U]
Carbazole	mg/L	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	0.01 U	0.01 U	NA	0.01 U [0.01 U]
Chrysene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Dibenz(a,h)anthracene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Dibenzofuran	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Diethyl phthalate	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Dimethyl phthalate	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Di-n-butylphthalate	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Di-n-octyl phthalate	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Fluoranthene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Fluorene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Hexachlorobenzene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Hexachlorobutadiene	mg/L	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Hexachlorocyclopentadiene	mg/L	R	0.005 U	0.005 UJ	R	R	NA	0.02 U	0.005 UJ [0.005 U]	NA	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Hexachloroethane	mg/L	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	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	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	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	11/02/05	05/17/06	08/15/06	11/13/06
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Isophorone	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Methylphenol (Cresol)	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Naphthalene	mg/L	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Nitrobenzene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
N-Nitrosodi-n-propylamine	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
N-Nitrosodiphenylamine	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Pentachlorophenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Phenanthrene	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Phenol	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Pyrene	mg/L	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	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	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	0.000000014 U	0.000000012 U	0.0000000043 U	0.0000000047 U [0.0000000048 U]
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	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	0.000000018 U	0.00000006 J	0.0000000081 U	0.0000000019 U [0.0000000022 U]
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	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	0.0000000051 U	0.000000016 U	0.0000000023 U	0.0000000002 U [0.0000000002 U]
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000011 UJ	0.000000025 U	0.000000004 UJ	0.0000000046 U	0.0000000018 U	NA	0.00000000061 U	0.00000000012 U [0.0000000012 U]	NA	0.0000000089 U	0.000000023 U	0.0000000028 U	0.0000000034 U [0.0000000031 U]
1,2,3,4,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000009 U	0.000000025 U	0.0000000033 UJ	0.0000000033 U	0.00000000082 U	NA	0.00000000055 U	0.00000000011 U [0.00000000093 U]	NA	0.0000000065 U	0.0000000076 U	0.0000000028 U	0.0000000024 U [0.0000000023 U]
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000005 UJ	0.000000025 U	0.0000000046 UJ	0.0000000005 U	0.00000000011 U	NA	0.00000000024 U	0.0000000002 U [0.00000000016 U]	NA	0.0000000006 U	0.0000000008 U	0.0000000004 U	0.00000000021 U [0.00000000023 U]
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000008 U	0.000000025 U	0.0000000042 UJ	0.0000000056 U	0.00000000014 U	NA	0.00000000014 U	0.00000000018 U [0.00000000015 U]	NA	0.00000000073 U	0.0000000082 U	0.0000000031 U	0.0000000003 U [0.00000000031 U]
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000005 U	0.000000025 U	0.0000000045 UJ	0.0000000046 U	0.00000000093 U	NA	0.00000000075 U	0.0000000002 U [0.0000000016 U]	NA	0.0000000052 U	0.0000000074 U	0.0000000038 U	0.0000000019 U [0.0000000021 U]
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000009 U	0.000000025 U	0.0000000044 UJ	0.0000000053 U	0.00000000012 U	NA	0.00000000011 U	0.00000000016 U [0.00000000014 U]	NA	0.0000000056 U	0.0000000075 U	0.0000000028 U	0.0000000029 U [0.0000000003 U]
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000007 U	0.000000025 U	0.0000000051 UJ	0.0000000053 U	0.00000000012 U	NA	0.00000000061 U	0.00000000024 U [0.00000000019 U]	NA	0.0000000008 U	0.0000000083 U	0.0000000045 U	0.00000000024 U [0.00000000027 U]
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000008 U	0.000000025 U	0.0000000004 UJ	0.0000000052 U	0.00000000012 U	NA	0.00000000011 U	0.00000000017 U [0.00000000014 U]	NA	0.00000000064 U	0.0000000073 U	0.0000000028 U	0.0000000028 U [0.00000000029 U]
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000001 U	0.000000001 U	0.00000000027 UJ	0.0000000039 U	0.00000000011 U	NA	0.00000000011 U	0.00000000013 U [0.00000000014 U]	NA	0.00000000051 U	0.0000000011 U	0.0000000026 U	0.00000000018 U [0.00000000019 U]
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000013 U	0.000000001 U	0.00000000038 UJ	0.0000000054 U	0.00000000027 U	NA	0.00000000017 U	0.00000000023 U [0.00000000021 U]	NA	0.0000000008 U	0.0000000016 U	0.0000000004 U	0.00000000034 U [0.0000000004 U]
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000006 U	0.000000025 U	0.0000000047 UJ	0.0000000048 U	0.00000000011 U	NA	0.00000000054 U	0.00000000021 U [0.00000000017 U]	NA	0.00000000066 U	0.0000000081 U	0.0000000041 U	0.00000000022 U [0.00000000024 U]
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000009 U	0.000000001 U	0.00000000027 UJ	0.0000000038 U	0.00000000011 U	NA	0.00000000011 U	0.00000000013 U [0.00000000014 U]	NA	0.00000000051 U	0.0000000011 U	0.0000000026 U	0.00000000018 U [0.00000000019 U]
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000008 U	0.000000001 U	0.0000000017 UJ	0.0000000023 U	0.00000000098 U	NA	0.00000000027 U	0.00000000012 U [0.0000000001 U]	NA	0.00000000035 U	0.0000000038 UJ	0.0000000023 U	0.00000000014 U [0.00000000015 U]
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000011 U	0.000000001 U	0.00000000024 UJ	0.0000000033 U	0.00000000082 U	NA	0.00000000083 U	0.00000000098 U [0.00000000079 U]	NA	0.0000000048 U	0.0000000041 UJ	0.0000000023 U	0.00000000013 U [0.00000000013 U]
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000008 U	NA	NA	NA	NA	NA	0.00000000021 U	0.00000000011 U [0.00000000013 U]	NA	0.00000000065 U	0.0000000016 U	0.0000000028 U	0.00000000024 U [0.00000000023 U]
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000038 J	NA	NA	NA	NA	NA	0.00000000073 U	0.0000000002 U [0.00000000014 U]	NA	0.00000000089 U	0.0000000023 U	0.0000000028 U	0.00000000034 U [0.00000000031 U]
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000033	NA	NA	NA	NA	NA	0.00000000024 U	0.00000000024 U [0.00000000019 U]	NA	0.0000000008 U	0.0000000083 U	0.0000000045 U	0.00000000024 U [0.00000000027 U]
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000008 U	NA	NA	NA	NA	NA	0.00000000014 U	0.00000000018 U [0.00000000015 U]	NA	0.00000000073 U	0.0000000082 U	0.0000000031 U	0.00000000031 U [0.00000000031 U]
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000009 U	NA	NA	NA	NA	NA	0.00000000018 U	0.00000000015 U [0.00000000014 U]	NA	0.00000000051 U	0.0000000011 U	0.0000000003 U	0.00000000018 U [0.00000000019 U]
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000018 J	NA	NA	NA	NA	NA	0.00000000017 U	0.00000000023 U [0.00000000021 U]	NA	0.0000000008 U	0.0000000021 U	0.0000000004 U	0.00000000013 U [0.00000000011 U]
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000008 U	NA	NA	NA	NA	NA	0.00000000027 U	0.00000000012 U [0.0000000001 U]	NA	0.00000000035 U	0.0000000038 U	0.0000000023 U	0.00000000016 U [0.00000000015 U]
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000011 U	NA	NA	NA	NA	NA	0.00000000083 U	0.00000000098 U [0.00000000079 U]	NA	0.0000000048 U	0.0000000041 U	0.0000000023 U	0.00000000013 U [0.00000000013 U]
2,3,7,8-TCDD Equivalent	mg/L	0.00000000284 U	0.00000000399 U	0.000000000924 U	0.0000000012 U	0.000000000373 U	NA	0.000000000338 U	0.000000000437 U [0.000000000386 U]	NA	0.0000000167 U	0.0000000123	0.00000000856 U	0.00000000596 U [0.00000000645 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	NA	0.0000000053 U	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	0.0000000047 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000022 U	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	0.00000000036 U	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000027 U	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000039 U	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	0.00000000033 U	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000037 U	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	0.00000000031 U	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000044 U	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	0.0000000003 U	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000029 U	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000043 U	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000004 U	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000028 U	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	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	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	11/02/05	05/17/06	08/15/06	11/13/06
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000017 U	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000018 U	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000027 U	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000036 U	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000044 U	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000033 U	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000029 U	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000043 U	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000017 U	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000018 U	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	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	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]
Aroclor-1221 (PCB-1221)	mg/L	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	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]
Aroclor-1232 (PCB-1232)	mg/L	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	0.0004 U	0.0004 U	NA	0.0004 U [0.0004 U]
Aroclor-1242 (PCB-1242)	mg/L	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	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]
Aroclor-1248 (PCB-1248)	mg/L	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	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]
Aroclor-1254 (PCB-1254)	mg/L	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	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]
Aroclor-1260 (PCB-1260)	mg/L	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	0.0002 U	0.0002 U	NA	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	0.0016 U	0.000564 [0.0007]	0.00136	0.0016 U	0.0016 U	NA	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	0.0004 U	0.000064 J [0.0002 J]	0.00086	0.0004 U	0.0004 U	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	0.0022 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	0.025 U	0.025 U	NA	0.025 U [0.025 U]
Arsenic	mg/L	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	0.01 U	0.002	NA	0.002 [0.0017 J]
Barium	mg/L	0.188	0.166	0.139 J	0.245	0.13	0.161	0.105	0.13 [0.127]	NA	0.134	0.162	NA	0.219 [0.214]
Beryllium	mg/L	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	0.001 U	0.001 U	NA	0.001 U [0.001 U]
Cadmium	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Chromium (Total)	mg/L	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	0.0046 J	0.0033 J	NA	0.01 U [0.01 U]
Cobalt	mg/L	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	0.0016 J	0.0018 J	NA	0.02 U [0.02 U]
Copper	mg/L	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	0.0041 J	0.0032 J	NA	0.005 U [0.005 U]
Cyanide (total)	mg/L	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	0.01 U	0.01 U	NA	0.01 [0.0058 J]
Lead	mg/L	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	0.0181	0.0044	NA	0.003 U [0.003 U]
Manganese	mg/L	0.427 J	0.429 J	0.494 J	1.32	0.873	0.74	0.568	0.725 [0.717]	NA	0.675	0.737	NA	0.741 [0.724]
Mercury	mg/L	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	0.0002 U	0.0002 U	NA	0.0002 U [0.0002 U]
Nickel	mg/L	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	0.0093 J	0.0046 J	NA	0.02 U [0.02 U]
Selenium	mg/L	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	0.005 U	0.005 U	NA	0.005 U [0.005 U]
Silver	mg/L	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	0.005 U	0.005 U	NA	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	0.000018 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	0.001 U	0.001 U	NA	0.001 U [0.001 U]
Vanadium	mg/L	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	0.0032 J	0.01 U	NA	0.01 U [0.01 U]
Zinc	mg/L	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	0.0352	0.0205	NA	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:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-03
Date Collected:	Units	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	11/02/05	05/17/06	08/15/06	11/13/06
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	0.0022 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	0.0043 J	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	0.191	NA	NA	NA	NA	0.153	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	0.00054 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	0.00028 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	0.0014 U	NA	NA	NA	NA	0.0045 J	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	0.0013 U	NA	NA	NA	NA	0.0023 J	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	0.0042 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	0.0025 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	0.433 J	NA	NA	NA	NA	0.739	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	0.000069 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	0.0036 J	NA	NA	NA	NA	0.0056 J	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	0.0045 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	0.0015 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	0.000018 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	0.00082 U	NA	NA	NA	NA	0.0016 J	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	0.012 U	NA	NA	NA	NA	0.02 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	NA	4.18
Conductivity Field	umhos/cm	NA	NA	NA	2.69	NA	3.96	NA	NA	NA	NA	NA	2.6	NA
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	0.14
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-81	-153
pH Field	pH Units	NA	NA	NA	NA	NA	NA	6.91	6.91	NA	6.88	6.7	NA	NA
pH Field	s.u.	NA	NA	NA	6.75	NA	6.9	NA	NA	NA	NA	NA	6.71	6.91
Temperature	Deg C	NA	NA	NA	8.61	NA	19.7	NA	NA	NA	NA	NA	22.3	10.38
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65	40
Turbidity (Field)	NTU	NA	NA	NA	1.79	NA	4	NA	NA	NA	NA	NA	3.29	4.6

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	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	05/04/07	11/07/07	05/07/08	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04
VOCs												
1,1,1-Trichloroethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,1,2,2-Tetrachloroethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,1,2-Trichloroethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,1-Dichloroethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,1-Dichloroethene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,2,4-Trichlorobenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.00092 J	NA	0.001 U	0.002 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.01 U [0.01 U]	0.002 U [0.004 U]	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 U	NA	0.002 U	NA	0.002 U	0.004 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,2-Dichlorobenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,2-Dichloroethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,2-Dichloropropane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,3-Dichlorobenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
1,4-Dichlorobenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]	0.00063 J [0.00071 J]	0.00087 J	NA	0.01 U	NA	0.01 U	0.00093 J	NA
2-Hexanone	mg/L	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.02 UJ	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0016 J	NA	0.01 U	NA	0.01 U	0.02 U	NA
Acetone	mg/L	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]	0.0017 J [0.003 J]	0.033 J	NA	0.01 U	NA	0.006 J	0.0071 J	NA
Benzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.00019 J	NA	0.001 U	NA	0.001 U	0.002 U	NA
Bromodichloromethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Bromoform	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	NA	0.001 U	NA	0.001 U	0.002 U	NA
Carbon disulfide	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Carbon tetrachloride	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Chlorobenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Chloroethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Chloroform (Trichloromethane)	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.00081 J	NA	0.001 U	NA	0.001 U	0.002 U	NA
Chloromethane (Methyl Chloride)	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
cis-1,2-Dichloroethene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.001 U	NA
cis-1,3-Dichloropropene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 UJ [0.001 UJ]	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.02 U	NA
Cyclohexane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Dibromochloromethane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.01 U [0.01 U]	0.002 U [0.004 U]	0.002 U [0.002 U]	0.002 UJ [0.002 UJ]	0.002 U	NA	0.002 U	NA	0.002 UJ	0.004 U	NA
Ethylbenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Isopropylbenzene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Methyl acetate	mg/L	0.05 U [0.05 U]	0.01 U [0.02 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.02 U	NA
Methyl cyclohexane	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Methyl Tert Butyl Ether	mg/L	0.025 U [0.025 U]	0.005 U [0.01 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0071	NA	0.005 U	NA	0.005 U	0.01 U	NA
Methylene chloride	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	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
Styrene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Tetrachloroethene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Toluene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.00039 J	NA	0.001 U	NA	0.001 U	0.002 U	NA
Total 1,3 Dichloropropenes	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.02 U	NA
trans-1,2-Dichloroethene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.001 U	NA
trans-1,3-Dichloropropene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ [0.001 UJ]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Trichloroethene	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.00024 J	NA	0.001 U	NA	0.001 U	0.002 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 UJ]	0.00066 J	NA	0.001 U	NA	0.0019	0.0012 J	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Vinyl chloride	mg/L	0.005 U [0.005 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	NA	0.001 U	NA	0.001 U	0.002 U	NA
Xylene (total)	mg/L	0.01 U [0.01 U]	0.002 U [0.004 U]	0.002 UJ [0.002 UJ]	0.002 U [0.002 U]	0.00069 J	NA	0.001 U	NA	0.001 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:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	05/04/07	11/07/07	05/07/08	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04
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	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 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]	0.005 U [0.005 U]	0.011	NA	0.005 U	NA	0.0011 J	0.0019 J	NA
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	NA	0.02 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	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	NA
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	NA	0.005 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]	0.005 U [0.005 U]	0.0018 J	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	R	NA
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	NA	0.005 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]	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 U	R	NA
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	NA	0.02 U	R	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]	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	0.02 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.021	NA	0.005 U	NA	0.0018 J	0.0065	NA
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	NA	0.02 U	R	NA
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	NA	0.02 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]	0.005 U [0.005 U]	0.0024 J	NA	0.005 U	NA	0.00077 J	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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	NA
Anthracene	mg/L	0.005 U [0.005 U]	0.005 U [0.00021 J]	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	NA
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	NA	0.005 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]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	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	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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA
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 [0.005 U]	0.005 U	NA	0.0041 J	NA	0.00047 J	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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA	0.01 U	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]	0.01 U [0.01 U]	0.0015 J	NA	0.01 U	NA	0.0012 J	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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.0018 J	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA
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	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.00099 J	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.0022 J	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	NA
Hexachlorocyclopentadiene	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	NA	0.005 U	NA	R	R	NA
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	NA	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:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	05/04/07	11/07/07	05/07/08	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04
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	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.021	NA	0.005 U	NA	0.0018 J	0.0065	NA
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]	0.0062	NA	0.005 U	NA	0.0029 J	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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 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]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.0007 J	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]	0.005 U [0.005 U]	0.019	NA	0.005 U	NA	0.005 U	0.016	NA
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	NA	0.00063 J	0.005 U	NA
CDD/F												
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000048 U [0.0000000051 U]	0.0000000097 U [0.0000000077 U]	0.0000000037 U [0.0000000073 U]	0.0000000042 U [0.0000000051 U]	0.0000000015 UJ	NA	0.000000015 U	NA	0.0000000012 U	0.0000000073 U	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000068 UJ [0.0000000075 UJ]	0.000000011 U [0.0000000076 U]	0.0000000048 U [0.0000000067 U]	0.000000006 U [0.0000000053 U]	0.0000000019 UJ	NA	0.000000074 J	NA	0.0000000078 U	0.000000007 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000023 U [0.0000000018 U]	0.0000000054 U [0.0000000029 U]	0.0000000018 U [0.0000000033 U]	0.0000000022 U [0.0000000026 U]	0.000000002 J	NA	0.0000000056 U	NA	0.0000000006 U	0.0000000004 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000033 U [0.0000000019 U]	0.0000000056 U [0.0000000048 U]	0.000000002 U [0.0000000044 U]	0.0000000049 U [0.0000000043 U]	0.0000000017 J	NA	0.000000001 U	NA	0.00000000069 U	0.0000000006 U	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000003 U [0.0000000023 U]	0.0000000063 U [0.0000000034 U]	0.0000000022 U [0.0000000041 U]	0.0000000025 U [0.0000000031 U]	0.000000001 U	NA	0.0000000017 U	NA	0.00000000042 U	0.0000000045 U	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000042 U [0.0000000048 U]	0.0000000044 U [0.0000000029 U]	0.0000000014 U [0.0000000022 U]	0.0000000029 U [0.0000000034 U]	0.0000000015 J	NA	0.0000000016 U	NA	0.00000000037 U	0.0000000069 U	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000068 U [0.0000000069 U]	0.0000000069 U [0.0000000046 U]	0.0000000021 U [0.0000000045 U]	0.000000004 U [0.0000000044 U]	0.0000000009 U	NA	0.0000000027 U	NA	0.0000000006 U	0.00000001 U	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000036 U [0.0000000042 U]	0.0000000043 U [0.0000000029 U]	0.0000000013 U [0.0000000019 U]	0.0000000025 U [0.0000000029 U]	0.0000000006 U	NA	0.0000000015 U	NA	0.00000000037 U	0.0000000068 U	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000048 U [0.0000000049 U]	0.0000000074 U [0.000000005 U]	0.000000002 U [0.0000000038 U]	0.0000000035 U [0.0000000039 U]	0.0000000009 U	NA	0.0000000026 U	NA	0.00000000064 U	0.00000001 U	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000051 U [0.0000000059 U]	0.0000000045 U [0.000000003 U]	0.0000000015 U [0.0000000025 U]	0.0000000029 U [0.0000000034 U]	0.0000000007 U	NA	0.0000000017 U	NA	0.00000000043 U	0.0000000091 U	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000053 U [0.0000000055 U]	0.0000000057 U [0.0000000038 U]	0.0000000018 U [0.000000004 U]	0.0000000035 U [0.0000000039 U]	0.0000000009 U	NA	0.0000000025 U	NA	0.00000000057 U	0.000000001 U	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000028 U [0.0000000023 U]	0.0000000058 U [0.0000000043 U]	0.0000000019 U [0.0000000025 U]	0.0000000039 U [0.000000004 U]	0.0000000008 U	NA	0.0000000019 U	NA	0.0000000007 U	0.0000000055 U	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000004 U [0.0000000045 U]	0.0000000097 U [0.0000000066 U]	0.000000003 U [0.0000000046 U]	0.0000000053 U [0.0000000053 U]	0.000000001 U	NA	0.0000000028 U	NA	0.00000000083 U	0.0000000072 U	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000044 U [0.000000005 U]	0.0000000045 U [0.000000003 U]	0.0000000013 U [0.0000000022 U]	0.0000000028 U [0.0000000032 U]	0.00000000098 J	NA	0.0000000017 U	NA	0.0000000004 U	0.0000000078 U	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000026 U [0.0000000022 U]	0.000000006 U [0.0000000044 U]	0.000000002 U [0.0000000026 U]	0.0000000041 U [0.0000000042 U]	0.0000000008 U	NA	0.0000000021 U	NA	0.0000000025 U	0.000000011 U	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000022 U [0.0000000049 U]	0.0000000037 U [0.0000000026 U]	0.0000000011 U [0.0000000017 U]	0.0000000023 U [0.0000000024 U]	0.0000000054 J	NA	0.000000016	NA	0.000000019	0.000000063 CON	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000019 U [0.0000000023 U]	0.000000005 U [0.0000000032 U]	0.0000000014 U [0.0000000024 U]	0.0000000033 U [0.0000000038 U]	0.000000001 U	NA	0.0000000012 U	NA	0.00000000053 U	0.0000000041 U	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000003 U [0.0000000023 U]	0.0000000063 U [0.0000000034 U]	0.0000000022 U [0.0000000041 U]	0.0000000025 U [0.0000000031 U]	0.000000002	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000033 U [0.0000000019 U]	0.0000000056 U [0.0000000048 U]	0.000000002 U [0.0000000044 U]	0.0000000049 U [0.0000000043 U]	0.0000000029	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000051 U [0.0000000059 U]	0.0000000045 U [0.000000003 U]	0.0000000015 U [0.0000000025 U]	0.0000000029 U [0.0000000034 U]	0.0000000025	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000068 U [0.0000000069 U]	0.0000000074 U [0.000000005 U]	0.0000000021 U [0.0000000045 U]	0.000000004 U [0.0000000044 U]	0.0000000009 U	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000041 U [0.0000000023 U]	0.0000000061 U [0.0000000046 U]	0.000000002 U [0.0000000026 U]	0.0000000041 U [0.0000000042 U]	0.0000000021 J	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000004 U [0.0000000045 U]	0.0000000097 U [0.0000000066 U]	0.000000003 U [0.0000000046 U]	0.0000000053 U [0.0000000053 U]	0.000000001 U	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000013 J [0.0000000049 U]	0.0000000037 U [0.0000000026 U]	0.0000000011 U [0.0000000017 U]	0.0000000023 U [0.0000000024 U]	0.0000000259 J	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000019 U [0.0000000023 U]	0.000000005 U [0.0000000032 U]	0.0000000014 U [0.0000000024 U]	0.0000000033 U [0.0000000038 U]	0.000000001 U	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.00000000908 U [0.000000001 U]	0.0000000175 U [0.0000000118 U]	0.00000000531 U [0.00000000854 U]	0.0000000107 U [0.0000000116 U]	0.000000002	NA	0.00000000436	NA	0.00000000032	0.0000000161	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
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:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	05/04/07	11/07/07	05/07/08	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04
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 [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	0.0002 U	NA
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	0.0002 U	NA
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	0.0004 U	NA
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	0.0002 U	NA
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]	0.00064	0.00051	0.0013	NA	0.00088	0.0002 U	NA
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	0.0002 U	NA
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	0.0002 U	NA
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]	0.00114	0.00101	0.0018	NA	0.00138	0.0016 U	NA
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]	0.00064	0.00051	0.0013	NA	0.00088	0.0004 U	NA
Pests/PCBs-Filtered												
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	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
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	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
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	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
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	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
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics												
Antimony	mg/L	0.025 U [0.025 U]	0.0102 J [0.0027 J]	0.025 U [0.025 U]	0.025 U [0.025 U]	0.0026 J	NA	0.0056 J	NA	0.0073 J	0.0044 J	0.009 J
Arsenic	mg/L	0.001 J [0.0014 J]	0.0073 [0.0054]	0.0015 J [0.0015 J]	0.004 [0.0043]	0.006 J	NA	0.0033 J	NA	0.0046 J	0.0051 J	0.0033 J
Barium	mg/L	0.335 [0.339]	0.0969 [0.095]	0.24 [0.249]	0.0961 [0.0939]	0.0939	NA	0.035	NA	0.0331	0.0583	0.0361 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	NA	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0012 J [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
Chromium (Total)	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.0045 J [0.01 U]	0.01 U [0.01 U]	0.002 J	NA	0.0305	NA	0.0058 J	0.0239	0.0424
Cobalt	mg/L	0.02 U [0.02 U]	0.02 U [0.02 U]	0.0041 J [0.02 U]	0.02 U [0.02 U]	0.02 U	NA	0.00076 J	NA	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U [0.0021 J]	0.005 U [0.005 U]	0.0056 [0.005 U]	0.005 U [0.005 U]	0.0094	NA	0.0222	NA	0.0161 U	0.02	0.0173
Cyanide (total)	mg/L	0.0049 J [0.0055 J]	0.01 U [0.01 U]	0.0053 [0.005]	0.01 U [0.01 U]	NA	NA	0.0175	NA	0.0127	0.0172	NA
Lead	mg/L	0.003 U [0.003 U]	0.0029 J [0.003 U]	0.003 U [0.003 U]	0.003 U [0.003 U]	0.004	NA	0.003 U	NA	0.003 U	0.003 U	0.003 U
Manganese	mg/L	1.13 [1.13]	0.425 [0.434]	0.324 [0.296]	1.05 [1.03]	0.0016 J	NA	0.0013 J	NA	0.01 U	0.01 U	0.0017 J
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	NA	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0033 J [0.02 U]	0.02 U [0.0037 J]	0.0065 J [0.02 U]	0.0055 J [0.0055 J]	0.0103 J	NA	0.02 U	NA	0.0032 J	0.0036 J	0.0031 J
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	NA	0.005 U	0.005	0.005 U
Silver	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0042 J [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
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 [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	0.001 U	0.001 U
Vanadium	mg/L	0.01 U [0.01 U]	0.0033 J [0.0025 J]	0.004 J [0.01 U]	0.01 U [0.01 U]	0.0238	NA	0.0484	NA	0.0239	0.036	0.049
Zinc	mg/L	0.02 U [0.02 U]	0.005 J [0.02 U]	0.0081 J [0.0077 J]	0.02 U [0.02 U]	0.02 U	NA	0.02 U	NA	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:		MWW1-03	MWW1-03	MWW1-03	MWW1-03	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	05/04/07	11/07/07	05/07/08	11/06/08	02/19/02	07/17/02	05/21/03	11/10/03	12/17/03	05/06/04	05/19/04
Inorganics-Filtered												
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	0.0082 J
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	0.0065 J	NA	NA	NA	NA	NA	0.0049 J
Barium (Dissolved)	mg/L	NA	NA	NA	NA	0.0951	NA	NA	NA	NA	NA	0.0353 U
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	0.001 U
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	0.005 U
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	0.0022 J	NA	NA	NA	NA	NA	0.0377
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	0.0012 J
Copper (Dissolved)	mg/L	NA	NA	NA	NA	0.0056	NA	NA	NA	NA	NA	0.0152
Lead (Dissolved)	mg/L	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	0.0015 J
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	0.000088 J	NA	NA	NA	NA	NA	0.0002 U
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	0.0071 J	NA	NA	NA	NA	NA	0.02 U
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	0.005 U
Silver (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	0.005 U
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	0.001 U
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	0.0245	NA	NA	NA	NA	NA	0.0479
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	0.02 U
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	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	6,340	2.71	4.27	1.412	NA	NA	NA	NA	1.08	NA	1.31
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.32	3.08	1.63	0.16	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	-118	-78	-54	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.44	6.81	7.04	7.06	NA	NA	NA	NA	12.02	NA	11.4
Temperature	Deg C	13.63	13.16	15.62	12.08	NA	NA	NA	NA	9.59	NA	15.4
Temperature, Ambient	Deg F	NA	40	65	60	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	4.22	4.8	NA	1.41	NA	NA	NA	NA	3.35	NA	1.4

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	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	10/27/04	05/11/05	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	08/26/08
VOCs																
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.0017 U	0.00095 J	NA	0.00025 J	NA	0.00062 J	NA	NA	0.0013 J	NA	0.001 U	NA	0.001 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 UJ	0.002 U	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	0.002 UJ	NA	0.002 U	NA	0.002 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.0021 J	NA	0.01 U	NA	0.0016 J	NA	NA	0.00084 J	NA	0.0018 J	NA	0.01 U	NA
2-Hexanone	mg/L	0.01 UJ	0.01 U	0.00083 J	NA	0.01 U	NA	0.01 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.00057 J	0.01 U	0.00053 J	NA	0.01 U	NA	0.00036 J	NA	NA	0.01 U	NA	0.00062 J	NA	0.01 U	NA
Acetone	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 UJ	NA	NA	0.0037 J	NA	0.013 U	NA	0.01 U	NA
Benzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
Carbon disulfide	mg/L	0.001 U	0.00036 J	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
Chloromethane (Methyl Chloride)	mg/L	0.0002 J	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 UJ	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 UJ	NA	NA	0.002 U	NA	0.002 U	NA	0.002 U	NA
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	0.01 U	NA	0.01 U	NA	0.01 U	NA
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U	NA
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Styrene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Toluene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.00041 J	0.002	NA	0.00028 J	NA	0.0011	NA	NA	0.0008 J	NA	0.001 U	NA	0.00079 J	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	0.002 U	NA	0.002 U	NA	0.002 UJ	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	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	10/27/04	05/11/05	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	08/26/08
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	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	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	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	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	NA	0.02 U	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	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	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.0052	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	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	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	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	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	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	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	NA
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	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	NA
2-Chlorophenol	mg/L	0.005 U	0.005 U	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	NA
2-Methylnaphthalene	mg/L	0.005 U	0.0024 J	0.0017 J	0.005 U	0.0068 J	NA	0.02 U	NA	NA	0.00024 J	NA	0.0023 J	NA	0.00085 J	NA
2-Methylphenol	mg/L	0.005 U	0.005 U	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	NA
2-Nitroaniline	mg/L	0.02 U	0.02 U	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	NA
2-Nitrophenol	mg/L	0.005 U	0.005 U	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	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	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	NA
3-Nitroaniline	mg/L	0.02 U	0.02 U	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	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	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	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	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	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	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	NA
4-Chloroaniline	mg/L	0.01 U	0.01 U	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	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	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	NA
4-Methylphenol	mg/L	0.01	0.0053	0.005	0.0011 J	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA	0.0066	NA	0.0013 J	NA
4-Nitroaniline	mg/L	0.02 U	0.02 U	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	NA
4-Nitrophenol	mg/L	0.02 U	0.02 U	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	NA
Acenaphthene	mg/L	0.005 U	0.0021 J	0.0012 J	0.005 U	0.0066 J	NA	0.02 U	NA	NA	0.00029 J	NA	0.0012 J	NA	0.00076 J	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	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	NA
Acetophenone	mg/L	0.01 U	0.01 U	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	NA
Anthracene	mg/L	0.005 U	0.005 U	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	NA
Atrazine	mg/L	0.005 U	0.005 U	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	NA
Benzaldehyde	mg/L	0.01 U	0.01 U	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	NA
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	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	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	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	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	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	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	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	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	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	NA
Biphenyl	mg/L	0.01 U	0.001 J	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	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	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	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	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	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	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	NA
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	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	NA
Caprolactam	mg/L	0.01 U	0.0028 J	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	NA
Carbazole	mg/L	0.0016 J	0.0013 J	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	NA
Chrysene	mg/L	0.005 U	0.005 U	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	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	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	NA
Dibenzofuran	mg/L	0.005 U	0.0012 J	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	NA
Diethyl phthalate	mg/L	0.005 U	0.005 U	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	NA
Dimethyl phthalate	mg/L	0.005 U	0.005 U	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	NA
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	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	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	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	NA
Fluoranthene	mg/L	0.005 U	0.0011 J	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	NA
Fluorene	mg/L	0.005 U	0.0011 J	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	NA
Hexachlorobenzene	mg/L	0.005 U	0.005 U	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	NA
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	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	NA
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	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	NA
Hexachloroethane	mg/L	0.005 U	0.005 U	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	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	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	10/27/04	05/11/05	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	08/26/08
SVOCs																
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	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	NA
Isophorone	mg/L	0.005 U	0.005 U	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	NA
Methylphenol (Cresol)	mg/L	0.01	0.0053	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	NA
Naphthalene	mg/L	0.0057	0.0063	0.0057	0.001 J	0.0023 J	NA	0.02 U	NA	NA	0.00069 J	NA	0.0071	NA	0.0027 J	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	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	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	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	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	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	NA
Pentachlorophenol	mg/L	0.005 U	0.005 U	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	NA
Phenanthrene	mg/L	0.005 U	0.00097 J	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	NA
Phenol	mg/L	0.0066	0.0098	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	NA
Pyrene	mg/L	0.005 U	0.00059 J	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	NA
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000018 U	0.0000000028 U	0.0000000013 U	NA	0.0000000012 U	00041 U [0.000000	0.0000000058 U	NA	NA	0.0000000013 U	NA	0.0000000015 U	NA	0.0000000012 U	0.0000000043 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000045 U	0.0000000017 U	0.0000000037 U	NA	0.0000000049 U	00081 U [0.000000	0.0000000021 U	NA	NA	0.0000000036 U	NA	0.0000000011 U	NA	0.0000000013 U	0.000000006 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000077 U	0.00000000017 U	0.00000000048 U	NA	0.000000002 U	00029 U [0.000000	0.00000000015 U	NA	NA	0.00000000052 U	NA	0.00000000063 U	NA	0.00000000098 U	0.0000000022 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000067 U	0.0000000003 U	0.00000000084 U	NA	0.000000002 U	00003 U [0.000000	0.0000000003 U	NA	NA	0.00000000086 U	NA	0.00000000091 U	NA	0.00000000081 U	0.0000000017 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000045 U	0.0000000001 U	0.00000000061 U	NA	0.00000000057 U	00035 U [0.000000	0.00000000018 U	NA	NA	0.0000000006 U	NA	0.00000000061 U	NA	0.0000000012 U	0.0000000026 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000012 U	0.00000000021 U	0.0000000006 U	NA	0.00000000073 U	00056 U [0.000000	0.00000000017 U	NA	NA	0.0000000004 U	NA	0.00000000062 U	NA	0.00000000044 U	0.0000000011 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000099 U	0.0000000002 U	0.00000000091 U	NA	0.00000000085 U	0004 U [0.000000	0.00000000019 U	NA	NA	0.00000000062 U	NA	0.0000000011 U	NA	0.00000000054 U	0.0000000022 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000059 U	0.0000000002 U	0.00000000053 U	NA	0.00000000067 U	00053 U [0.000000	0.00000000016 U	NA	NA	0.00000000038 U	NA	0.0000000006 U	NA	0.00000000042 U	0.00000000071 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000076 U	0.00000000018 U	0.0000000007 U	NA	0.00000000078 U	00037 U [0.000000	0.00000000018 U	NA	NA	0.00000000061 U	NA	0.0000000012 U	NA	0.00000000051 U	0.0000000017 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000086 U	0.00000000024 U	0.00000000082 U	NA	0.00000000076 U	00063 U [0.000000	0.0000000002 U	NA	NA	0.00000000044 U	NA	0.00000000064 U	NA	0.00000000046 U	0.00000000097 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000008 U	0.00000000018 U	0.00000000008 U	NA	0.00000000076 U	00036 U [0.000000	0.00000000017 U	NA	NA	0.00000000058 U	NA	0.0000000009 U	NA	0.00000000049 U	0.0000000017 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000002 U	0.00000000013 U	0.00000000056 U	NA	0.00000000095 U	0004 U [0.000000	0.00000000019 U	NA	NA	0.00000000065 U	NA	0.00000000062 U	NA	0.00000000064 U	0.0000000015 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000000012 U	0.00000000017 U	0.00000000083 U	NA	0.00000000015 U	00048 U [0.000000	0.00000000031 U	NA	NA	0.00000000092 U	NA	0.000000001 U	NA	0.00000000098 U	0.0000000026 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000066 U	0.00000000022 U	0.00000000067 U	NA	0.00000000074 U	00058 U [0.000000	0.00000000018 U	NA	NA	0.00000000043 U	NA	0.00000000064 U	NA	0.00000000043 U	0.00000000082 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.00000000061 U	0.00000000013 U	0.00000000057 U	NA	0.00000000092 U	00068 U [0.000000	0.00000000019 U	NA	NA	0.00000000066 U	NA	0.00000000064 U	NA	0.0000000013 U	0.00000000067 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.00000000037	0.00000000049 U	0.00000000083 J	NA	0.000000001 J	000033 [0.000000	0.00000000017 U	NA	NA	0.00000000015	NA	0.0000000004 U	NA	0.0000000062	0.0000000045
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000075 U	0.00000000093 U	0.00000000046 U	NA	0.0000000009 U	00021 U [0.000000	0.00000000012 U	NA	NA	0.00000000065 U	NA	0.00000000069 U	NA	0.00000000048 U	0.0000000016 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000077 U	0.00000000017 U	0.00000000061 U	NA	0.000000002 U	00035 U [0.000000	0.00000000018 U	NA	NA	0.0000000006 U	NA	0.00000000063 U	NA	0.0000000011 U	0.0000000026 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000067 U	0.0000000003 U	0.00000000084 U	NA	0.000000002 U	00003 U [0.000000	0.0000000003 U	NA	NA	0.00000000086 U	NA	0.00000000091 U	NA	0.00000000081 U	0.0000000017 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000012 U	0.00000000024 U	0.00000000082 U	NA	0.00000000077 U	00063 U [0.000000	0.0000000002 U	NA	NA	0.00000000044 U	NA	0.00000000064 U	NA	0.00000000046 U	0.0000000018 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000099 U	0.0000000002 U	0.00000000091 U	NA	0.00000000085 U	0004 U [0.000000	0.00000000019 U	NA	NA	0.00000000062 U	NA	0.0000000012 U	NA	0.00000000054 U	0.0000000022 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000002 U	0.00000000016 U	0.00000000067 U	NA	0.00000000095 U	00021 U [0.000000	0.00000000019 U	NA	NA	0.0000000011 U	NA	0.00000000064 U	NA	0.00000000056 J	0.0000000018 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000000012 U	0.00000000017 U	0.00000000083 U	NA	0.00000000015 U	00048 U [0.000000	0.00000000005 U	NA	NA	0.00000000092 U	NA	0.000000001 U	NA	0.00000000098 U	0.0000000026 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.00000000031 J	0.00000000058 J	0.00000000059 J	NA	0.00000000086	000033 [0.000000	0.00000000018 U	NA	NA	0.0000000014 J	NA	0.0000000004 U	NA	0.0000000077 J	0.0000000035
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000075 U	0.00000000093 U	0.00000000046 U	NA	0.0000000009 U	00021 U [0.000000	0.00000000013 U	NA	NA	0.00000000065 U	NA	0.00000000069 U	NA	0.00000000048 U	0.0000000016 U
2,3,7,8-TCDD Equivalent	mg/L	0.000000000626	0.000000000449 U	0.000000000941	NA	0.00000000147	0000912 [0.000000	0.00000000053 U	NA	NA	0.00000000107	NA	0.00000000218 U	NA	0.00000000163	0.00000000816
CDD/F-Filtered																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.00000000075 U	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	0.000000006 J	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	0.0000000006 U	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	0.0000000027 J	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	0.00000000037 U	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	0.00000000058 U	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	0.00000000041 U	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	0.00000000055 U	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	0.00000000038 U	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	0.00000000065 U	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	0.00000000037 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.00000000042 U	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	0.00000000059 U	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	0.0000000006 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.00000000042 U	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	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	10/27/04	05/11/05	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	08/26/08
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000046 U	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	0.0000000024 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000006 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000027 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000065 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000021 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000048 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000059 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000046 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0000000024 U	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	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U	NA	0.0004 U	NA	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.00055	0.00036	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.00038	NA	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.00044	NA	0.00068	NA	NA	0.0004	NA	0.0002 U	NA	0.00013 J	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA	0.0002 U	NA	0.00013 J	NA
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.00105	0.00086	NA	0.00094	NA	0.00118	NA	NA	0.0009	NA	0.00088	NA	0.00066	NA
Total PCBs	mg/L	0.0004 U	0.00055	0.00036	NA	0.00044	NA	0.00068	NA	NA	0.0004	NA	0.00038	NA	0.00026 J	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	0.0052 J	0.006 J	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	NA
Arsenic	mg/L	0.0075 J	0.0066 J	0.007 J	0.0063 J	0.0072	NA	0.0049	NA	NA	0.0056	NA	0.0088	NA	0.0039	NA
Barium	mg/L	0.039	0.128	0.0396	0.0265	0.0218	NA	0.0355	NA	NA	0.0271	NA	0.0342	NA	0.0277	NA
Beryllium	mg/L	0.001 U	0.001 U	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	NA
Cadmium	mg/L	0.005 U	0.005 U	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	NA
Chromium (Total)	mg/L	0.01 U	0.0101	0.01 U	0.0378	0.018	NA	0.01 U	NA	NA	0.0266	NA	0.0647	NA	0.0048 J	NA
Cobalt	mg/L	0.02 U	0.02 U	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	NA
Copper	mg/L	0.0035 J	0.0067 U	0.006	0.0219 U	0.0099	NA	0.0149	NA	NA	0.0154	NA	0.0098	NA	0.005 U	NA
Cyanide (total)	mg/L	0.018	0.028	0.0031 J	NA	0.015	NA	0.034	NA	NA	0.0085 J	NA	0.0079 J	NA	0.013	NA
Lead	mg/L	0.003 U	0.003 U	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	NA
Manganese	mg/L	0.01 U	0.01 U	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	NA
Mercury	mg/L	0.000041 J	0.0002 U	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	NA
Nickel	mg/L	NA	0.02 U	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	NA
Selenium	mg/L	0.005 U	0.005 U	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	NA
Silver	mg/L	0.005 U	0.005 U	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	NA
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	0.000031 J	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA
Vanadium	mg/L	0.0175	0.0248	0.0295	0.0544	0.0399	NA	0.0575	NA	NA	0.0541	NA	0.0253	NA	0.0227	NA
Zinc	mg/L	0.02 U	0.02 U	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	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	MWW1-04	MWW1-04	MWW1-04
Date Collected:	Units	10/27/04	05/11/05	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	08/26/08
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	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	NA
Barium (Dissolved)	mg/L	NA	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	NA
Cadmium (Dissolved)	mg/L	NA	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	NA
Cobalt (Dissolved)	mg/L	NA	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	NA
Lead (Dissolved)	mg/L	NA	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	NA
Mercury (Dissolved)	mg/L	NA	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	NA
Selenium (Dissolved)	mg/L	NA	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	NA
Thallium (Dissolved)	mg/L	NA	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	NA
Zinc (Dissolved)	mg/L	NA	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	11.6 J	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	11.5 J	11.5 J [11.5 J]	NA	10.9 J	NA	NA	NA	NA
Field Parameters																
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	1.261	NA	0.899	NA	NA	NA	1.463	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	1.183	1.06	1.404	NA	0.923	NA	994	1.478	1.52	NA	1.134	1.322
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	2.14	2.33	0.15	0.65	2.58	3.18	1.4	0.03	0.31	0.16	0.14	0.3
ORP, Field	millivolts	NA	NA	NA	-120	147	-108	124	-37	-173	193	-219	-209	28	-276	152
pH Field	pH Units	11.64	11.71	11.26	NA	10.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	NA	12.01	10.7	11.61	8.03	11.44	13.17	10.74	10.87	11.38	11.79	12.35	10.96
Temperature	Deg C	NA	NA	NA	7.05	10.39	17.97	14.09	8.57	10.19	9.87	19.58	15.45	15.79	10.62	17.65
Temperature, Ambient	Deg F	NA	NA	NA	30	60	65	40	30	55	NA	85	45	50	55	80
Turbidity (Field)	NTU	NA	NA	NA	3.63	3.17	1.37	3.75	10.4	4.96	4.21	3.11	2	3.4	NA	1.01

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	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	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	10/27/04	05/11/05	11/03/05	05/18/06
VOCs														
1,1,1-Trichloroethane	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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 U	NA	NA	NA	NA	0.002 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	0.0015 J	NA	NA	NA	NA	0.01 U	0.01 UJ	0.01 UJ	NA	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 UJ	NA	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	NA	0.01 UJ	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.00034 J	NA	NA	NA	NA	0.01 U	0.01 U	R	NA	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.0039 J	NA	0.01 U	0.01 U	0.01 U	0.01 UJ
Benzene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	NA	NA	NA	NA	0.0005 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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 UJ	NA	NA	NA	NA	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.005 U	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 UJ	NA	NA	NA	NA	0.001 U	0.001 UJ	0.001 UJ	NA	0.001 U	0.001 U	0.001 UJ	0.001 U
Styrene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	R	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.01 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	NA	NA	NA	NA	0.0005 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.01 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.00092 J	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	NA	NA	NA	NA	0.001 U	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	NA	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	NA	NA	NA	NA	0.001 U	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:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	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	10/27/04	05/11/05	11/03/05	05/18/06
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.0019 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.0034 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	NA	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.0014 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.0021 J	0.006 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.0029 J
Caprolactam	mg/L	0.01 U	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.002 J	NA	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.00075 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.00088 J
Di-n-octyl phthalate	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	R	R	NA	0.005 U	0.005 UJ	0.005 U	0.005 UJ
Hexachloroethane	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	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:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	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	10/27/04	05/11/05	11/03/05	05/18/06
SVOCs														
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.0034 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.0041 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.0016 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.00058 J	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	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	0.000000001 U	NA	NA	NA	NA	0.0000000074 U	0.0000000088 U	0.0000000082 U	NA	0.0000000016 U	0.0000000016 U	0.0000000013 U	0.0000000013 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000042 U	NA	NA	NA	NA	0.00000001 U	0.00000001 U	0.000000013 U	NA	0.0000000033 U	0.0000000086 U	0.0000000011 U	0.0000000025 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000056 U	NA	NA	NA	NA	0.0000000046 U	0.0000000029 U	0.0000000051 U	NA	0.00000000071 U	0.00000000081 U	0.00000000036 U	0.000000001 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000069 U	NA	NA	NA	NA	0.0000000048 U	0.0000000051 U	0.0000000057 U	NA	0.00000000086 U	0.0000000011 U	0.0000000087 U	0.0000000018 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000029 U	NA	NA	NA	NA	0.0000000019 U	0.0000000034 U	0.0000000058 U	NA	0.00000000051 U	0.0000000011 U	0.0000000045 U	0.0000000069 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000027 U	NA	NA	NA	NA	0.0000000023 U	0.0000000045 U	0.0000000016 U	NA	0.00000000083 U	0.0000000018 U	0.0000000051 U	0.0000000076 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000049 U	NA	NA	NA	NA	0.0000000003 U	0.0000000052 U	0.0000000015 U	NA	0.0000000012 U	0.0000000017 U	0.0000000076 U	0.0000000088 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000043 U	NA	NA	NA	NA	0.0000000015 U	0.0000000041 U	0.0000000016 U	NA	0.00000000051 U	0.0000000017 U	0.0000000045 U	0.000000007 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000035 U	NA	NA	NA	NA	0.0000000003 U	0.0000000049 U	0.0000000015 U	NA	0.00000000094 U	0.0000000015 U	0.0000000059 U	0.000000008 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000047 U	NA	NA	NA	NA	0.0000000018 U	0.0000000048 U	0.0000000022 U	NA	0.00000000065 U	0.0000000021 U	0.0000000069 U	0.0000000079 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000036 U	NA	NA	NA	NA	0.0000000028 U	0.0000000048 U	0.0000000015 U	NA	0.00000000098 U	0.0000000015 U	0.0000000067 U	0.0000000078 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.00000000057 U	NA	NA	NA	NA	0.0000000002 U	0.0000000036 U	0.0000000078 U	NA	0.00000000092 U	0.0000000012 U	0.0000000049 U	0.0000000012 UJ
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000000009 U	NA	NA	NA	NA	0.0000000033 U	0.0000000058 U	0.0000000088 U	NA	0.00000000015 U	0.0000000018 U	0.0000000077 U	0.0000000016 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000071 U	NA	NA	NA	NA	0.0000000017 U	0.0000000044 U	0.0000000019 U	NA	0.00000000058 U	0.0000000019 U	0.0000000056 U	0.0000000077 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.00000000016 U	NA	NA	NA	NA	0.0000000002 U	0.0000000035 U	0.0000000078 U	NA	0.00000000089 U	0.0000000011 U	0.0000000005 U	0.0000000012 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000011	NA	NA	NA	NA	0.0000000017 U	0.0000000027 U	0.0000000043 U	NA	0.0000000018 U	0.000000001 U	0.0000000025 U	0.0000000003 UJ
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000047 U	NA	NA	NA	NA	0.0000000017 U	0.0000000038 U	0.0000000055 U	NA	0.00000000068 U	0.0000000009 U	0.0000000038 U	0.0000000034 UJ
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000056 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000071 U	0.0000000011 U	0.0000000045 U	0.000000001 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000075 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000086 U	0.0000000016 U	0.0000000087 U	0.0000000018 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000071 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000083 U	0.0000000021 U	0.0000000069 U	0.0000000079 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000005 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000012 U	0.0000000017 U	0.0000000076 U	0.0000000088 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.00000000035 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000015 U	0.0000000014 U	0.0000000005 U	0.0000000012 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000000009 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000015 U	0.0000000018 U	0.0000000077 U	0.0000000018 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000078	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000018 U	0.000000001 U	0.0000000025 U	0.0000000003 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000047 U	NA	NA	NA	NA	NA	NA	NA	NA	0.00000000099 U	0.0000000009 U	0.0000000038 U	0.0000000034 U
2,3,7,8-TCDD Equivalent	mg/L	0.00000000214	NA	NA	NA	NA	0.00000000636 U	0.0000000123 U	0.0000000266 U	NA	0.00000000027 U	0.00000000377 U	0.00000000151 U	0.00000000242 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	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:		MWW1-04	MWW1-04	MWW1-04	MWW1-04	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	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	10/27/04	05/11/05	11/03/05	05/18/06
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 U]	0.0002 U	0.000095 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
Aroclor-1221 (PCB-1221)	mg/L	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	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	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	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	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	0.000095 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.0002 U [0.0002 U]	0.0002 U	0.000095 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ
Total PCBs-Realm/Encore	mg/L	0.00195 U	0.00059 [0.00073]	NA	NA	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	0.00055 U	0.00019 J [0.00033]	NA	NA	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	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	0.006 J [0.0072 J]	0.0046	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
Arsenic	mg/L	0.0052	NA	NA	NA	NA	0.0046 J	0.003 J	0.0049 J	0.01 U	0.0046 J	0.0073 J	0.01 U	0.0014 J
Barium	mg/L	0.0394 U	NA	NA	NA	NA	0.082	0.0664	0.0811	0.0302	0.0994	0.054	0.0705	0.0281
Beryllium	mg/L	0.001 U	NA	NA	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
Cadmium	mg/L	0.005 U	NA	NA	NA	NA	0.005 U	0.0004 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0099 J	NA	NA	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
Cobalt	mg/L	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 U	0.02 U
Copper	mg/L	0.0096	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	0.005 U
Cyanide (total)	mg/L	0.025	NA	NA	NA	NA	0.004 J	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U
Lead	mg/L	0.003 U	NA	NA	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
Manganese	mg/L	0.01 U	NA	NA	NA	NA	0.418	0.291	0.502 U	0.0305 U	0.531	0.324	0.372	0.11
Mercury	mg/L	0.0002 U	NA	NA	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
Nickel	mg/L	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 U	0.02 U
Selenium	mg/L	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	0.005 U
Silver	mg/L	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	0.005 U
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	0.001 U	0.000026 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.039	0.0616 [0.0609]	0.0025	NA	NA	0.00084 J	0.01 U	0.00092 J	0.01 U	0.0014 J	0.0017 J	0.01 U	0.01 U
Zinc	mg/L	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 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	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06
Date Collected:	Units	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	10/27/04	05/11/05	11/03/05	05/18/06
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	NA	NA	NA	0.0042	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0294	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	0.014	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	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	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	1.097	0.893	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.272	1.027 [1.027]	NA	0.765	NA	NA	1.284	NA	0.71	NA	NA	NA	0.462
Dissolved Oxygen	%	NA	NA	NA	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.51	2.89 [2.89]	0.2	0.34	NA	NA	NA	NA	NA	NA	NA	NA	0.5
ORP, Field	millivolts	NA	-121 [-121]	-176.4	-215.1	NA	NA	NA	NA	NA	NA	NA	NA	47
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	6.99	6.98	6.8
pH Field	s.u.	12.26	11.44 [11.44]	11.77	11.27	NA	NA	7.01	NA	7.2	NA	NA	NA	6.8
Temperature	Deg C	16.95	10.51 [10.51]	18.61	17.51	NA	NA	10	NA	11.6	NA	NA	NA	12.71
Temperature, Ambient	Deg F	60	25 [25]	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	50
Turbidity (Field)	NTU	1.05	4.27 [4.27]	0.99	2.63	NA	NA	17.4	NA	4.9	NA	NA	NA	1.98

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	MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08	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
VOCs																	
1,1,1-Trichloroethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.0005 U	0.001 U	NA	0.001 UJ	0.001 U	NA	NA	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	NA	0.01 U	0.0006 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	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 UJ	NA	0.01 U	0.03	0.02	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00078 J	0.001 U	NA	0.001 U	0.001 U	NA	NA	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 U	0.001 U	NA	0.01 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 UJ	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	NA	0.02 U	0.0012 U	0.002 U	NA	0.002 U	0.002 U	NA	NA	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	NA	0.01 U	0.00044 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00022 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00042 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	0.00064 J	NA	0.1 U	0.00082 U	0.01 U	NA	0.01 UJ	0.01 U	NA	NA	0.01 U	0.01 U	0.01 UJ
2-Hexanone	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.1 UJ	0.00092 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.1 UJ	0.00046 U	0.0005 J	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.1 U	0.001 U	0.01 U	NA	0.01 U	0.0009 J	NA	NA	0.01 UJ	0.01 U	0.01 U
Benzene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00032 U	0.00035 J	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ
Bromodichloromethane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00036 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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 UJ	NA	0.01 U	0.0004 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.0004 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ
Chlorobenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00028 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.05	0.036	NA	0.001 U	0.001 U	NA	NA	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 UJ	NA	0.01 U	0.0018 J	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.00043 J	0.001 U	NA	0.01 U	0.00026 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ
cis-1,2-Dichloroethene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00044 U	0.00032 J	NA	0.0005 U	0.0005 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 UJ	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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 UJ	NA	0.01 U	0.00026 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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 UJ	NA	0.01 U	0.00052 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.02 UJ	0.00052 U	0.002 U	NA	0.002 UJ	0.002 UJ	NA	NA	0.002 UJ	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	NA	0.1 U	0.00082 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	0.01 U	0.01 U	0.01 UJ
Methyl cyclohexane	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.05 U	0.00026 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 UJ	0.00077 J	0.001 U	NA	0.001 UJ	0.001 U	NA	NA	0.001 U	0.001 U	0.001 UJ
Styrene	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.0003 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00046 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00058 J	0.00026 J	NA	0.001 U	0.0012	NA	NA	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	NA	0.01 U	0.00054 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.0003 U	0.0005 U	NA	0.0005 U	0.0005 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	NA	0.01 U	0.00054 U	0.001 U	NA	R	0.001 U	NA	NA	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	NA	0.01 U	0.00028 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00056 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.00064 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	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	NA	0.01 U	0.0003 U	0.00027 J	NA	0.001 UJ	0.001 U	NA	NA	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 UJ	NA	0.02 U	0.00066 U	0.00043 J	NA	0.001 U	0.001 U	NA	NA	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:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08	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
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	NA	0.005 U	0.00078 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0012 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0017 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.01 U	0.00085 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.005 U	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.02 U	0.003 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.005 U	0.00079 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00057 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.001 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00064 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.02 U	0.0007 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.005 U	0.0021 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.02 U	0.00093 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.02 U	0.00071 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.02 U	0.0013 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.005 U	0.00088 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00099 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.01 U	0.00061 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.005 U	0.00079 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0013 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.02 U	0.0013 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.02 U	0.0019 U	0.05 U	NA	0.02 U	0.02 U	NA	NA	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	NA	0.005 U	0.0008 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00071 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.01 U	0.0026 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.005 U	0.00068 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0025 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.01 U	0.0028 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.005 U	0.0007 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00073 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00094 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00084 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.01 U	0.0026 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.005 U	0.00087 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00097 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U [0.005 U]	0.01 U	0.005 U	0.005 U	NA	0.005 U	0.0027 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00088 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.01 U	0.0025 U	0.025 U	NA	0.01 U	0.0014 J	NA	NA	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	NA	0.01 U	0.00082 U	0.025 U	NA	0.01 U	0.01 U	NA	NA	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	NA	0.005 U	0.00075 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00079 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00065 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00076 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00067 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00081 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.001 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00074 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00073 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	R	NA	NA	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	NA	0.005 U	0.00074 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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:		MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW1-06	MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08	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
SVOCs																	
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00063 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00063 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	0.0013 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00075 U	0.0025 J	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00081 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00067 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0014 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0024 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.00082 U	0.0023 J	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0026 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	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	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	0.005 U
CDD/F																	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.000000007 U [0.000000014 U]	0.000000022 U	0.000000098 U	0.000000016 U	NA	0.000000012 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.00000017 J [0.00000061 J]	0.00000002 U	0.000000017 U	0.00000002 U	NA	0.000000021 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000024 U [0.0000000057 U]	0.0000000072 U	0.0000000041 U	0.0000000089 U	NA	0.0000000041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000001 U [0.00000011]	0.000000012 U	0.0000000064 U	0.000000011 U	NA	0.0000000007 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000019 U [0.000000002 U]	0.0000000083 U	0.0000000048 U	0.000000011 U	NA	0.0000000052 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000003 U [0.0000000028 U]	0.0000000059 U	0.0000000033 U	0.0000000078 U	NA	0.0000000035 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000038 U [0.0000000034 U]	0.000000001 U	0.0000000049 U	0.00000001 U	NA	0.0000000066 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000028 U [0.0000000026 U]	0.0000000055 U	0.0000000033 U	0.0000000074 U	NA	0.0000000029 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000037 U [0.0000000033 U]	0.0000000098 U	0.0000000052 U	0.0000000099 U	NA	0.0000000051 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000035 U [0.0000000032 U]	0.0000000065 U	0.0000000035 U	0.0000000083 U	NA	0.0000000038 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000035 U [0.0000000032 U]	0.0000000093 U	0.000000004 U	0.0000000096 U	NA	0.0000000053 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000023 U [0.0000000023 U]	0.0000000081 U	0.000000004 U	0.0000000079 U	NA	0.0000000051 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000047 U [0.0000000042 U]	0.000000012 U	0.0000000071 U	0.000000015 U	NA	0.0000000089 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U [0.0000000029 U]	0.0000000064 U	0.0000000035 U	0.0000000076 U	NA	0.0000000032 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000023 U [0.0000000023 U]	0.0000000081 U	0.0000000041 U	0.000000008 U	NA	0.0000000052 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000022 U [0.0000000019 U]	0.0000000044 U	0.0000000028 U	0.0000000045 U	NA	0.000000004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000025 U [0.000000002 U]	0.0000000067 U	0.0000000038 U	0.0000000084 U	NA	0.0000000058 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000037 U [0.000000012 U]	0.0000000083 U	0.0000000048 U	0.0000000096 U	NA	0.0000000052 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.000000001 U [0.000000026]	0.000000012 U	0.0000000064 U	0.000000011 U	NA	0.0000000081 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000035 U [0.0000000032 U]	0.0000000065 U	0.0000000035 U	0.0000000078 U	NA	0.0000000038 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000038 U [0.000000011 U]	0.00000001 U	0.0000000081 U	0.00000001 U	NA	0.0000000084 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000038 U [0.0000000023 U]	0.0000000081 U	0.0000000047 U	0.000000008 U	NA	0.0000000059 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000024 U [0.000000016 U]	0.000000012 U	0.0000000091 U	0.000000015 U	NA	0.0000000089 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000022 U [0.0000000019 U]	0.0000000044 U	0.0000000028 U	0.0000000045 U	NA	0.0000000042 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000025 U [0.000000002 U]	0.0000000067 U	0.0000000038 U	0.0000000084 U	NA	0.0000000058 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.00000000458 [0.0000000056]	0.0000000233 U	0.0000000128 U	0.0000000272 U	NA	0.0000000167 U	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08	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
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	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	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	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	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	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	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	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	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	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	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	0.000054 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	NA	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	0.0002 U	0.0002 U	0.00011 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	NA	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	0.0004 U	0.0004 U	0.000056 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 UJ	NA	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	0.0002 U	0.0002 U	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
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	0.000061 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	0.0002 U	0.0002 U
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	0.000082 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.000055 J	0.0002 U	0.0002 U	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
Total PCBs-Realm/Encore	mg/L	0.0016 U [0.0016 U]	0.0016 U	0.0016 U	0.000555	0.0016 U	0.0016 U	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
Total PCBs	mg/L	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.000055 J	0.0004 U	0.0004 U	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
Pests/PCBs-Filtered																	
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000061 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	0.000482 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00011 U	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	NA	0.025 U	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
Arsenic	mg/L	0.0021 [0.0023]	0.0017 J	0.0027	0.0071	NA	0.0024	0.0039 U	0.0585	NA	0.0037 J	0.01 U	0.0041 J	0.01 U	0.0228	0.0053	0.0051
Barium	mg/L	0.0317 [0.0298]	0.035	0.0556	0.0313	NA	0.0492 U	0.156	0.163	NA	0.42	0.319	0.246	0.01 U	0.316	0.0811	0.174
Beryllium	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.001 U	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
Cadmium	mg/L	0.005 U [0.005 U]	0.005 U	0.0031 J	0.005 U	NA	0.005 U	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
Chromium (Total)	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U	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
Cobalt	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	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
Copper	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	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
Cyanide (total)	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U	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	NA	0.003 U	0.0025 U	0.003 U	NA	0.0391	0.064	0.004	0.003 U	0.0784	0.008	0.003 U
Manganese	mg/L	0.101 [0.0966]	0.117	0.321	0.173	NA	0.236	0.322	0.766	NA	0.187	0.167	0.147	0.01 U	0.336	0.18	0.0716
Mercury	mg/L	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	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
Nickel	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	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
Selenium	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	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
Silver	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	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
Sodium	mg/L	NA	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	NA	0.001 U	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
Vanadium	mg/L	0.01 U [0.01 U]	0.01 U	0.00089 J	0.0011 J	NA	0.00078 J	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
Zinc	mg/L	0.02 U [0.02 U]	0.02 U	0.02 U	0.0103 J	NA	0.02 U	0.012 U	0.02 U	NA	0.0544	0.0396	0.02 U	0.02 U	0.0433	0.0222	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	MWW5-01	MWW5-01	MWW5-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01	MWW9-01
Date Collected:	Units	11/14/06	05/02/07	11/08/07	05/08/08	05/30/08	11/05/08	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
Inorganics-Filtered																	
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	0.025 U	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0039 U	0.0473	NA	NA	NA	0.0031 J	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.178	0.161	NA	NA	NA	0.232	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00028 U	0.00039 J	NA	NA	NA	0.005 U	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	NA	NA	NA	0.01 U	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.003 J	0.0041 J	NA	NA	NA	0.02 U	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	0.005 U	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	0.003 U	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.375	0.815	NA	NA	NA	0.156	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000069 U	0.00022	NA	NA	NA	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0143 J	0.0113 J	NA	NA	NA	0.0039 J	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	0.005 U	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	0.005 U	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0053 J	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.001 J	0.01 U	NA	NA	NA	0.01 U	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.012 U	0.02 U	NA	NA	NA	0.0154 J	NA	NA	NA	NA
Miscellaneous																	
pH (water)	none	NA	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	NA
Field Parameters																	
Conductivity Field	mS/cm	0.715	NA	NA	NA	NA	NA	NA	NA	2.05	NA	NA	NA	NA	NA	NA	2.18
Conductivity Field	umhos/cm	NA	660	1.66	0.856	1.61	1.359	NA	NA	NA	NA	3.28	2.74	NA	NA	0.998	NA
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.31	4.78	0.16	0.29	4.1	0.8	NA	NA	0.24	NA	NA	NA	NA	NA	0.13	0.57
ORP, Field	millivolts	-15	19	-162	-142	-144	-135	NA	NA	76	NA	NA	NA	NA	NA	-19	-39
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.27	7.01	NA	NA
pH Field	s.u.	6.99	7.3	6.71	7.05	6.82	7.02	NA	NA	6.45	NA	7.4	7.32	NA	NA	6.95	6.97
Temperature	Deg C	11.97	9.71	13.55	11.1	15.23	15.55	NA	NA	11.65	NA	13.3	14.6	NA	NA	14.28	13.36
Temperature, Ambient	Deg F	45	NA	35	55	70	60	NA	NA	40	NA	NA	NA	NA	NA	50	45
Turbidity (Field)	NTU	3.68	2.5	2.7	NA	0.92	1.09	NA	NA	8.76	NA	2.78	13.7	NA	NA	12.5	1.88

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

Sample ID:		MWW9-01	MWW9-01	MWW9-01	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	05/03/07	11/08/07	05/08/08	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	05/03/07	11/08/07
VOCs																
1,1,1-Trichloroethane	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	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 UJ	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 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 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
1,1-Dichloroethane	mg/L	0.001 U	0.001 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	NA
1,1-Dichloroethene	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	NA
1,2,4-Trichlorobenzene	mg/L	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	NA
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 UJ	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	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 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
1,2-Dichlorobenzene	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	NA
1,2-Dichloroethane	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	NA
1,2-Dichloropropane	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	NA
1,3-Dichlorobenzene	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	NA
1,4-Dichlorobenzene	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	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.00071 J	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	0.01 U	NA
2-Hexanone	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 UJ	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	0.01 U	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	0.01 U	NA
Acetone	mg/L	0.002 J	0.01 U	0.0044 J	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	0.01 U	NA
Benzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	NA
Bromodichloromethane	mg/L	0.001 U	0.001 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	NA
Bromoform	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	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 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	NA
Carbon disulfide	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	NA
Carbon tetrachloride	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 UJ	0.001 U	NA
Chlorobenzene	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	NA
Chloroethane	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	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 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	NA
Chloromethane (Methyl Chloride)	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 UJ	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 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	NA
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 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	NA
Cyclohexane	mg/L	0.001 U	0.001 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	NA
Dibromochloromethane	mg/L	0.001 U	0.001 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	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	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	0.002 U	NA
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	NA
Isopropylbenzene	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	NA
Methyl acetate	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 UJ	0.01 U	NA
Methyl cyclohexane	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	0.001 U	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	0.005 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	NA
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	NA
Styrene	mg/L	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	0.001 U	0.001 U	NA
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	NA
Toluene	mg/L	0.001 U	0.001 U	0.001 U	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	0.001 U	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	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	0.001 U	0.0005 U	0.0005 U	0.0005 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	NA
trans-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	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 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 UJ	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
Trichlorofluoromethane (CFC-11)	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	NA
Trifluorotrichloroethane (Freon 113)	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	NA
Vinyl chloride	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	NA
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 UJ	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	0.002 U	NA

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

Sample ID:		MWW9-01	MWW9-01	MWW9-01	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	05/03/07	11/08/07	05/08/08	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	05/03/07	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	0.0088	0.005 U	0.005 U	0.005 U	0.005 U	0.0014 J	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	0.005 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
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
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	R	0.005 UJ	R	R	0.005 U	0.005 U	0.005 U	0.005 UJ	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 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:		MWW9-01	MWW9-01	MWW9-01	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	05/03/07	11/08/07	05/08/08	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	05/03/07	11/08/07
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	0.000000004 J	0.000000005 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	0.00000001 U	0.000000009 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	0.0000000021 U	0.000000005 U	0.0000000068 UJ	0.0000000062 U	0.0000000021 U	0.0000000024 U	0.000000002 U	0.000000013 U	0.000000021 U	0.000000024 U	0.00000001 U	0.000000015 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	0.0000000001 U	0.0000000025 U	0.0000000046 UJ	0.00000000056 U	0.0000000015 U	0.00000000067 U	0.0000000026 U	0.0000000039 U	0.0000000014 U	0.0000000015 U	0.0000000037 U	0.0000000039 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	0.0000000016 UJ	0.0000000025 U	0.0000000044 UJ	0.00000000045 U	0.0000000027 U	0.0000000006 U	0.0000000036 U	0.0000000081 U	0.0000000021 U	0.000000004 U	0.000000006 U	0.0000000069 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	0.0000000013 U	0.0000000025 U	0.0000000039 UJ	0.00000000036 U	0.0000000015 U	0.00000000079 U	0.0000000011 U	0.0000000005 U	0.0000000064 U	0.0000000017 U	0.0000000042 U	0.0000000046 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	0.0000000008 UJ	0.0000000025 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	0.0000000036 U	0.0000000039 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	0.0000000016 J	0.0000000025 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	0.0000000064 U	0.0000000061 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	0.0000000008 U	0.0000000025 U	0.0000000052 UJ	0.00000000039 U	0.0000000014 U	0.0000000013 U	0.0000000017 U	0.0000000004 U	0.0000000062 U	0.0000000025 U	0.0000000034 U	0.0000000039 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	0.0000000012 U	0.0000000025 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	0.0000000063 U	0.0000000066 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	0.0000000001 U	0.0000000025 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	0.000000004 U	0.0000000041 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	0.0000000012 U	0.0000000025 U	0.0000000043 UJ	0.00000000055 U	0.0000000002 U	0.0000000002 U	0.0000000022 U	0.0000000066 U	0.000000007 U	0.0000000003 U	0.000000006 U	0.0000000005 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	0.0000000001 U	0.000000001 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	0.0000000053 U	0.0000000057 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	0.0000000012 UJ	0.000000001 U	0.0000000004 UJ	0.00000000086 U	0.0000000034 U	0.0000000021 U	0.0000000027 U	0.0000000064 U	0.0000000013 U	0.0000000041 U	0.0000000087 U	0.000000001 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	0.0000000008 UJ	0.0000000025 U	0.0000000054 UJ	0.00000000042 U	0.0000000015 U	0.0000000015 U	0.0000000002 U	0.0000000051 U	0.0000000068 U	0.0000000028 U	0.0000000039 U	0.0000000041 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	0.0000000001 UJ	0.000000001 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	0.0000000054 U	0.0000000058 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	0.0000000001 U	0.000000001 U	0.0000000019 UJ	0.00000000044 U	0.0000000013 U	0.0000000002 U	0.0000000041 U	0.0000000029 U	0.0000000056 U	0.0000000002 U	0.0000000032 U	0.0000000034 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	0.0000000013 U	0.000000001 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	0.0000000005 U	0.0000000049 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	0.0000000052	NA	NA	NA	NA	0.0000000079 U	0.0000000026 U	0.0000000005 U	0.000000014 U	0.0000000017 U	0.0000000042 U	0.0000000046 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	0.0000000027 J	NA	NA	NA	NA	0.0000000006 U	0.0000000036 U	0.0000000081 U	0.0000000021 U	0.0000000043 U	0.0000000067 U	0.0000000069 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	0.0000000081 J	NA	NA	NA	NA	0.0000000017 U	0.0000000022 U	0.0000000062 U	0.000000007 U	0.0000000031 U	0.000000004 U	0.0000000041 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	0.0000000102 J	NA	NA	NA	NA	0.0000000025 U	0.0000000028 U	0.0000000075 U	0.0000000078 U	0.0000000032 U	0.0000000064 U	0.0000000066 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	0.0000000047 J	NA	NA	NA	NA	0.0000000017 U	0.0000000028 U	0.0000000045 U	0.0000000075 U	0.0000000022 U	0.0000000054 U	0.0000000058 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	0.0000000013 J	NA	NA	NA	NA	0.0000000021 U	0.0000000027 U	0.0000000064 U	0.000000013 U	0.000000015 U	0.0000000087 U	0.000000001 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	0.0000000069 J	NA	NA	NA	NA	0.0000000002 U	0.0000000041 U	0.0000000029 U	0.0000000056 U	0.0000000002 U	0.0000000032 U	0.0000000034 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	0.0000000013 U	NA	NA	NA	NA	0.00000000083 U	0.0000000017 U	0.0000000033 U	0.0000000062 U	0.0000000021 U	0.0000000005 U	0.0000000049 U
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	0.00000000175	0.00000000399 U	0.000000001 U	0.00000000177 U	0.000000000545 U	0.000000000396 U	0.000000000586 U	0.0000000134 U	0.00000000226 U	0.000000000765 U	0.0000000162 U	0.0000000017 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	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:		MWW9-01	MWW9-01	MWW9-01	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	05/03/07	11/08/07	05/08/08	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	05/03/07	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	0.0002 U	0.0002 UJ	0.0002 UJ	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
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	0.0016 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	0.003	0.0095	0.0062	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	0.002 U	0.002 U
Barium	mg/L	0.0865	0.215	0.192	0.0441	0.079	0.0577 J	0.0737	0.058	0.108	0.202	0.186	0.0376	0.0562	0.033	0.0905
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	0.005 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
Chromium (Total)	mg/L	0.0062 J	0.0074 J	0.01 U	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	0.01 U	0.01 U
Cobalt	mg/L	0.02 U	0.02 U	0.0072 J	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	0.02 U	0.02 U
Copper	mg/L	0.0019 J	0.005 U	0.005 U	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	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	0.003 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	0.0207	0.143	0.0747	0.0397 J	0.0139	0.0099 J	0.0346 U	0.0204	0.103	4.12	0.173	0.0203	0.023	0.0031 J	0.0392
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	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	0.0002 U	0.0002 U
Nickel	mg/L	0.0052 J	0.0045 J	0.02 U	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	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0049 J	0.0063	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0044 J	0.005 U	0.0031 J
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	0.001 U	0.001 U	0.001 U	0.000043 J	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	0.0038 J	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	0.0208	0.02 U	0.02 U	0.02 U	0.02 U	0.0054 J

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

Sample ID:		MWW9-01	MWW9-01	MWW9-01	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	05/03/07	11/08/07	05/08/08	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	05/03/07	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	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	0.0444	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	0.0053 J	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	0.0384 J	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	0.807	NA	NA
Conductivity Field	umhos/cm	1,428	2.35	1.78	NA	NA	NA	0.844	NA	NA	NA	NA	NA	NA	580	0.814
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.39	0.3	0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.66	4.97	1.02
ORP, Field	millivolts	-85	-130	-116	NA	NA	NA	NA	NA	NA	NA	NA	NA	221	169	-9
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	7.43	6.65	7.11	6.83	NA	NA	NA
pH Field	s.u.	7.15	7.03	6.89	NA	NA	NA	7.11	NA	NA	NA	NA	NA	6.3	6.67	6.68
Temperature	Deg C	16.9	16.35	17	NA	NA	NA	8.54	NA	NA	NA	NA	NA	12.34	8.76	13.47
Temperature, Ambient	Deg F	NA	35	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	NA	35
Turbidity (Field)	NTU	4.13	4.6	NA	NA	NA	NA	0.54	NA	NA	NA	NA	NA	0.79	0.51	0.6

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
Date Collected:	Units	11/09/07	05/08/08	11/06/08	12/15/09	12/15/09	09/23/11	10/02/12	MWW10-03 (Duplicate) 10/02/12
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
1,1,2,2-Tetrachloroethane	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
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
1,1-Dichloroethane	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
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
1,2,4-Trichlorobenzene	mg/L	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 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	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
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
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
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
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
2-Butanone (Methyl Ethyl Ketone)	mg/L	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	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	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	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	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	0.001 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
Bromomethane (Methyl Bromide)	mg/L	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	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	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
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
Chloroform (Trichloromethane)	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
Chloromethane (Methyl 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
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
cis-1,3-Dichloropropene	mg/L	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	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	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 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	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	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	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 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	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	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Styrene	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
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
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
Total 1,3 Dichloropropenes	mg/L	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	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 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	0.001 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 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 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 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	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:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	11/09/07	05/08/08	11/06/08	12/15/09	12/15/09	09/23/11	10/02/12	MWW10-03 (Duplicate) 10/02/12
SVOCs									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/L	NA	0.005 U	0.005 UJ	NA	NA	NA	NA	NA
2-Chlorophenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Methylphenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
2-Nitroaniline	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
2-Nitrophenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/L	NA	0.02 UJ	0.02 U	NA	NA	NA	NA	NA
3-Nitroaniline	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Chloroaniline	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Methylphenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
4-Nitroaniline	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
4-Nitrophenol	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA
Acenaphthene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Acenaphthylene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Acetophenone	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Anthracene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Atrazine	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzaldehyde	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Biphenyl	mg/L	NA	0.01 U	0.01 UJ	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Butyl benzylphthalate	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Caprolactam	mg/L	NA	0.01 U	0.01 UJ	NA	NA	NA	NA	NA
Carbazole	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA
Chrysene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Dibenzofuran	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Diethyl phthalate	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Di-n-octyl phthalate	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Fluoranthene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Fluorene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/L	NA	0.005 U	0.005 UJ	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/L	NA	0.005 U	0.005 UJ	NA	NA	NA	NA	NA
Hexachloroethane	mg/L	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:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03
Date Collected:	Units	11/09/07	05/08/08	11/06/08	12/15/09	12/15/09	09/23/11	10/02/12	MWW10-03 (Duplicate) 10/02/12
SVOCs									
Indeno(1,2,3-cd)pyrene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Isophorone	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Methylphenol (Cresol)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Naphthalene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Nitrobenzene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Pentachlorophenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Phenanthrene	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Phenol	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA
Pyrene	mg/L	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	NA	0.000000011 U	0.000000053 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	0.000000014 U	0.000000006 U	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	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	NA	0.0000000072 U	0.0000000058 U	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	0.0000000084 U	0.0000000037 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.0000000058 U	0.0000000048 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.0000000079 U	0.0000000055 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.0000000055 U	0.0000000042 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.0000000075 U	0.0000000049 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.0000000061 U	0.0000000048 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.0000000072 U	0.0000000049 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	0.000000006 U	0.0000000054 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	0.000000012 U	0.0000000064 U	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.0000000056 U	0.0000000046 U	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	0.000000006 U	0.0000000056 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	0.0000000039 U	0.0000000036 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	0.0000000056 U	0.0000000049 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	0.0000000084 U	0.0000000037 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	0.0000000072 U	0.0000000058 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	0.0000000061 U	0.0000000048 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	0.0000000079 U	0.0000000055 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	0.000000006 U	0.0000000056 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	0.000000012 U	0.0000000064 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	0.0000000039 U	0.0000000036 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	0.0000000056 U	0.0000000049 U	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	0.0000000201 U	0.0000000015 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
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:		MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03	MWW10-03 (Duplicate)
Date Collected:	Units	11/09/07	05/08/08	11/06/08	12/15/09	12/15/09	09/23/11	10/02/12	10/02/12	
CDD/F-Filtered										
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	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
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	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
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	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
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	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
Pests/PCBs										
Aroclor-1016 (PCB-1016)	mg/L	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	0.000095 U
Aroclor-1221 (PCB-1221)	mg/L	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	0.000095 U
Aroclor-1232 (PCB-1232)	mg/L	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	0.000095 U
Aroclor-1242 (PCB-1242)	mg/L	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	0.000095 U
Aroclor-1248 (PCB-1248)	mg/L	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	0.000095 U
Aroclor-1254 (PCB-1254)	mg/L	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	0.000095 U
Aroclor-1260 (PCB-1260)	mg/L	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	0.000095 U
Total PCBs-Realm/Encore	mg/L	NA	0.0016 U	0.0016 U	0.0014 U	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	0.0004 U	0.0004 U	0.0002 U	NA	NA	NA	NA	NA
Pests/PCBs-Filtered										
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	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
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	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
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	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
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics										
Antimony	mg/L	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	0.0011 J	0.00068 J	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	0.161	0.144	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA
Chromium (Total)	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA
Copper	mg/L	NA	0.005 U	0.0106	NA	NA	NA	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	0.003 U	0.0019 J	NA	NA	NA	0.001U	0.001U	0.001U
Manganese	mg/L	NA	0.0172	0.0382	0.0117	0.001 B [0.001 B]	0.001U	0.12B	0.097B	0.097B
Mercury	mg/L	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA
Nickel	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA
Selenium	mg/L	NA	0.0055	0.0051	NA	NA	NA	NA	NA	NA
Silver	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA
Zinc	mg/L	NA	0.02 U	0.02 U	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
Date Collected:	Units	11/09/07	05/08/08	11/06/08	12/15/09	12/15/09	09/23/11	10/02/12	10/02/12	(Duplicate) 10/02/12
Inorganics-Filtered										
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous										
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters										
Conductivity Field	mS/cm	NA	NA	NA	NA	1.050	1.111	0.980	0.980	
Conductivity Field	umhos/cm	NA	1.97	1.58	1.252	NA	NA	0.841	0.841	
Dissolved Oxygen	%	NA	NA	NA	NA	NA	NA	12.5	12.5	
Dissolved Oxygen, Field	mg/L	NA	2.78	1.11	2.39	0.96	1.28	1.19	1.19	
ORP, Field	millivolts	NA	30	71	112	154.6	42.5	48.0	48.0	
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	
pH Field	s.u.	NA	7.31	6.93	7.07	6.94	6.92	6.88	6.88	
Temperature	Deg C	NA	8.79	15.82	9.1	14.92	16.96	17.81	17.81	
Temperature, Ambient	Deg F	45	55	60	25	35	59	NA	NA	
Turbidity (Field)	NTU	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
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MWF12-01	MWF1R	MWF7-01	MWM16-21	MWW10-03	MWW10-03 DUPLICATE	MWW1-04
Date Collected:	Units	12/03/13	12/04/13	12/04/13	12/04/13	12/05/13	12/05/13	12/05/13	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
Summary of Historical Semi-Annual and Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MWF12-01	MWF1R	MWF7-01	MWM16-21	MWW10-03	MWW10-03 DUPLICATE	MWW1-04
Date Collected:	Units	12/03/13	12/04/13	12/04/13	12/04/13	12/05/13	12/05/13	12/05/13	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
RACER Trust
Pontiac North Campus

Sample ID:		MW-40-99	MW-40-99	MWF1R	MWF1R	MWF7-01	MWF7-01 DUPLICATE	MWF7-01	MWF12-01	MWF12-01	MWM16-21	MWM16-21	MWW1-04	MWW1-04 DUPLICATE	MWW1-04	MWW10-03	MWW10-03
Date Collected:	Units	09/18/14	09/22/15	09/19/14	09/22/15	09/19/14	09/19/14	09/22/15	09/19/14	09/22/15	09/19/14	09/22/15	09/23/14	09/23/14	09/23/15	09/18/14	09/23/15
PCBs																	
Aroclor-1016	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1221	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1232	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1242	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1248	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00027	<0.0001	0.00025	<0.000095	0.000095 U
Aroclor-1254	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000078 J	<0.0001	0.000095 U	<0.000095	0.000095 U
Aroclor-1260	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.000098	<0.0001	0.000095 U	<0.000095	0.000095 U
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	NA	NA	<0.025	0.025 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.025	0.025 U
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	NA	NA	<0.005	0.005 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 UJ
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.005	0.005 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.005	0.005 U
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	NA	NA	<0.01	0.01 U
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	NA	NA	<0.05	0.05 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.05	0.05 U
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	NA	NA	<0.005	0.005 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	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:		MW-40-99	MW-40-99	MWF1R	MWF1R	MWF7-01	MWF7-01 DUPLICATE	MWF7-01	MWF12-01	MWF12-01	MWM16-21	MWM16-21	MWW1-04	MWW1-04 DUPLICATE	MWW1-04	MWW10-03	MWW10-03
Date Collected:	Units	09/18/14	09/22/15	09/19/14	09/22/15	09/19/14	09/19/14	09/22/15	09/19/14	09/22/15	09/19/14	09/22/15	09/23/14	09/23/14	09/23/15	09/18/14	09/23/15
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.001	0.001 U
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	NA	NA	<0.002	0.002 U
Inorganics																	
Antimony	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003	0.0031	0.0032	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.001 B	0.001 U
Manganese	mg/L	NA	NA	NA	NA	NA	NA	NA	2.4	2.8 [2.6]	NA	NA	NA	NA	NA	0.03	0.12
Vanadium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013	0.014	0.02	NA	NA
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	11.84	9.77	7.11	7.30
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	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:		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
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: 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
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: 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
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
RACER Trust
Pontiac North Campus

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

Appendix C
Qual and Annual Groundw
RACER Trust
Pontiac North Campus

Location ID: Date Collected:		INJ-01-17 10/02/18	INJ-02-18 10/02/18	MW-01-17 10/03/18	MW-02-17 10/02/18	MW-03-17 10/02/18	MW-04-17 10/02/18	MW-05-18 10/01/18	MW-40-99 10/03/18	MWF7-02 10/04/18	MWF8-01 10/04/18	MWF12-01 10/03/18	MWF12-02 10/03/18	MWF16-06 10/04/18	MWF16-23 10/01/18	MWF16-25 10/01/18	MWM16-02 10/02/18	MWM16-31 10/02/18
PCBs																		
Aroclor-1016	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	0.0001 U	0.0001 U	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	NA	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	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]	0.002 U	NA	0.002 U	0.01 UY	0.002 U	0.002 U	0.002 U	0.002 U
Acetone	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 [0.05 U]	0.05 U	NA	0.05 U	0.25 UY	0.05 U	0.05 U	0.05 U	0.05 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	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U
2-Butanone	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	NA	0.025 U	0.13 UY	0.025 U	0.025 U	0.025 U	0.025 U
Carbon Disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 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	NA	0.001 U	0.014 Y	0.001 U	0.001 U	0.001 U	0.001 U
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]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
CFC-12	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 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	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
Chlorodibromomethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	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 [0.001 U]	0.002	NA	0.001 U	0.038 Y	0.001 U	0.004	0.001 U	0.001 U
Chloromethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	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 [0.001 U]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	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	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	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	0.002	0.001 U	0.001 U	0.004 [0.004]	0.001 U	0.048 [0.048]	0.001 U	NA	0.002	0.047 Y	0.009	0.003	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]	0.001 U	NA	0.001 U	0.005 UY	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	0.011 [0.011]	0.001 U	NA	0.001 U	0.009 Y	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	0.001 U	0.001 U	0.001 U	0.006 [0.006]	0.001 U	0.003 [0.003]	0.001 U	NA	0.001 U	0.012 Y	0.019	0.005	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]	0.001 U	NA	0.001 U	0.005 UY	0.004	0.001 U	0.001 U	0.001 U
Dichloromethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 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	NA	0.001 U	0.005 UY	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 [0.001 U]	0.001 U	NA	0.001 U	0.005 UY	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 [0.001 U]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 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]	0.001 U	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	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]	0.01 U	NA	0.01 U	0.05 UY	0.01 U	0.01 U	0.01 U	0.01 U
Methyl N-Butyl Ketone	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 [0.05 U]	0.05 U	NA	0.05 U	0.25 UY	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 [0.001 U]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
4-Methyl-2-pentanone	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 [0.05 U]	0.05 U	NA	0.05 U	0.25 UY	0.05 U	0.05 U	0.05 U	0.05 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	0.005 U [0.005 U]	0.005 U	NA	0.005 U	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 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]	0.001 U	NA	0.001 U	0.005 UY	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]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.006	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.034 [0.033]	0.001 U	NA	0.001 U	0.07 Y	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]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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	0.03 UY	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.006	0.001 U	0.001 U	0.004 [0.004]	0.001 U	0.073 [0.073]	0.001 U	NA	0.001	0.163 Y	0.009	0.003	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]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.002	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.003 [0.003]	0.001 U	NA	0.001 U	0.012 Y	0.015	0.001 U	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	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	NA	0.001 U	0.005 UY	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 U]	0.001 U	NA	0.001 U	0.005 UY	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 [0.001 U]	0.001 U	NA	0.001 U	0.005 UY	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes	mg/L	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

Location ID: Date Collected:		INJ-01-17 10/02/18	INJ-02-18 10/02/18	MW-01-17 10/03/18	MW-02-17 10/02/18	MW-03-17 10/02/18	MW-04-17 10/02/18	MW-05-18 10/01/18	MW-40-99 10/03/18	MWF7-02 10/04/18	MWF8-01 10/04/18	MWF12-01 10/03/18	MWF12-02 10/03/18	MWF16-06 10/04/18	MWF16-23 10/01/18	MWF16-25 10/01/18	MWM16-02 10/02/18	MWM16-31 10/02/18
Lead	mg/L	0.003 U	0.003 U	NA	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	20.1	23.7	NA	NA	16.9	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	0.402	0.386	NA	NA	0.562	0.487	NA	NA	NA	NA	NA	0.292	NA	NA	NA	NA	NA
Mercury	mg/L	0.0002 U	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	0.005 U	0.03	NA	NA	0.006	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/L	0.0005 U	0.0005 U	NA	NA	0.0005 U	0.0005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.002 U	0.002 U	NA	NA	0.002 U	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	0.005 U	0.005 U	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																		
Alkalinity, total (as CaCO3)	mg/L	238	368	NA	NA	250	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness	mg/L	244	246	NA	NA	199	221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	562	556	NA	NA	532	536	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	mg/L	3 U	4	NA	NA	3 U	3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																		
pH	SU	7.06	7.12	7.35	6.73	7.02	7.07	6.81	7.12	5.91	5.56	6.92	7.10	6.44	6.91	7.02	6.79	7.04
Turbidity	NTU	1.43	1.43	2.78	5.84	8.46	2.45	5.23	9.87	0.57	2.54	6.47	1.27	1.86	10.2	8.89	9.90	4.55

Pontiac North Campus

Location ID: Date Collected:		MWM16-37 10/02/18	MWM31-02 10/02/18	MWM32-01 10/02/18	MWOS-01 10/01/18	MWW1-04 10/04/18	MWW1-15 10/03/18	MWW01-SEN03 10/05/18	MWW01-SEN04 10/03/18	MWW5-01 10/01/18	MWW10-03 10/02/18	MWW10-SEN02 10/05/18	MWW10-SEN02 11/29/18	TW-09-01 10/01/18	TW-10-02 10/01/18	TW-MD-01 10/03/18	TW-MD-02 10/03/18	TW-MD-03 10/03/18
PCBs																		
Aroclor-1016	mg/L	NA	NA	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	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Aroclor-1221	mg/L	NA	NA	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	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Aroclor-1232	mg/L	NA	NA	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	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Aroclor-1242	mg/L	NA	NA	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	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Aroclor-1248	mg/L	NA	NA	NA	NA	0.0001 U [0.0001 U]	0.0001 U	0.0001 U	0.0002 [0.0001]	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Aroclor-1254	mg/L	NA	NA	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	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Aroclor-1260	mg/L	NA	NA	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	NA	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	0.0001 U
Total PCBs	mg/L	NA	NA	NA	NA	0.0001 [0.0001 U]	0.0001 U	0.0001 U	0.0002 [0.0001]	0.0001 U	0.0001 U	NA	0.0001 U	0.0001 U	NA	0.0001 U	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]	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U
Acetone	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]	0.05 U	0.05 U	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	0.05 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	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
Bromomethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 U
2-Butanone	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	NA	0.025 U	0.025 U	0.025 U
Carbon Disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 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	NA	0.001 U	0.001 U	0.001 U
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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
CFC-12	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 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	NA	0.001 U	0.001 U	0.001 U
Chlorodibromomethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 U
Chloroethane	mg/L	0.005 U	0.005 U	0.005 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	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U
Chloroform	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	NA	0.001 U	0.001 U	0.001 U
Chloromethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	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]	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 U
1,2-Dibromoethane	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	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	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]	0.001 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	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [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	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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
Dichloromethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 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	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]	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	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]	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	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]	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	0.01 U	0.01 U
Methyl N-Butyl Ketone	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]	0.05 U	0.05 U	0.05 U	NA	0.05 U	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]	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	0.001 U	0.001 U
4-Methyl-2-pentanone	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]	0.05 U	0.05 U	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	0.05 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 [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U
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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [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	0.005 U	0.005 U
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	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	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	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	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	NA	0.001 U	0.001 U	0.001 U
Vinyl Chloride	mg/L	0.003	0.001 U	0.001 U	0.001 U	0.001 U [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	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									

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

Location ID: Date Collected:		MWM16-37 10/02/18	MWM31-02 10/02/18	MWM32-01 10/02/18	MWOS-01 10/01/18	MWW1-04 10/04/18	MWW1-15 10/03/18	MWW01-SEN03 10/05/18	MWW01-SEN04 10/03/18	MWW5-01 10/01/18	MWW10-03 10/02/18	MWW10-SEN02 10/05/18	MWW10-SEN02 11/29/18	TW-09-01 10/01/18	TW-10-02 10/01/18	TW-MD-01 10/03/18	TW-MD-02 10/03/18	TW-MD-03 10/03/18
Lead	mg/L	NA	NA	NA	NA	NA	0.003 U	0.011	0.004 [0.003]	0.003 U	0.003 U	0.012	NA	0.003 U	NA	0.003 U	0.003 U	0.003 U
Magnesium	mg/L	NA	NA	NA	NA	NA	28.6	16.2	27.6	28.2	NA	42.2	NA	36.6	NA	30.1	22.4	28.6
Manganese	mg/L	NA	NA	NA	NA	NA	0.236	0.477	0.37 [0.369]	0.52	0.338	0.563	NA	0.561	NA	1	0.747	0.82
Mercury	mg/L	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	NA	NA	NA	NA	NA	0.005 U	0.023	0.005 U [0.005 U]	0.005 U	NA	0.128	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U
Selenium	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U
Silver	mg/L	NA	NA	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U [0.0005 U]	0.0005 U	NA	0.0005 U	NA	0.0005 U	NA	0.0005 U	0.0005 U	0.0005 U
Thallium	mg/L	NA	NA	NA	NA	NA	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	NA	0.002 U	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U
Vanadium	mg/L	NA	NA	NA	NA	0.016 [0.015]	0.005 U	0.007	0.005 U [0.005 U]	0.005 U	NA	0.021	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U
Zinc	mg/L	NA	NA	NA	NA	NA	0.005 U	0.027	0.005 U [0.005 U]	0.005 U	NA	0.051	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U
Miscellaneous																		
Alkalinity, total (as CaCO3)	mg/L	NA	NA	NA	NA	NA	528	754	498	558	NA	686	NA	770	NA	504	524	460
Hardness	mg/L	NA	NA	NA	NA	NA	155	137	218	512	NA	NA	NA	675	NA	314	253	294
Total Dissolved Solids	mg/L	NA	NA	NA	NA	NA	794	1,110	580	810	NA	NA	1,910 X	1,460	NA	630	620	1,180
Total Suspended Solids	mg/L	NA	NA	NA	NA	NA	9	249	27	3 U	NA	4,940	4,940	11	NA	12	14	28
Field Parameters																		
pH	SU	7.12	7.03	6.92	6.97	11.46	7.43	7.57	6.92	6.86	6.94	6.75	6.55	7.08	6.48	6.90	6.90	7.01
Turbidity	NTU	4.63	1.65	1.18	7.87	3.80	5.10	141	13.2	4.29	0.51	NA	30.1	7.12	4.89	7.79	6.26	3.06

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

Location ID: Date Collected:		TW-MD-04 10/03/18	TW-MD-05 10/03/18	TW-MD-06 10/04/18	TW-MD-07 10/04/18
PCBs					
Aroclor-1016	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1221	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1232	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1242	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1248	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1254	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Aroclor-1260	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Total PCBs	mg/L	0.0001 U	0.0001 U	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
Acetone	mg/L	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	mg/L	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
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
2-Butanone	mg/L	0.025 U	0.025 U	0.025 U	0.025 U
Carbon Disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Carbon Tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
CFC-11	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
CFC-12	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Chlorodibromomethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane	mg/L	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
1,2-Dibromo-3-chloropropane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	mg/L	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
1,3-Dichlorobenzene	mg/L	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
1,1-Dichloroethane	mg/L	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
1,1-Dichloroethene	mg/L	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	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Dichloromethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	mg/L	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
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	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
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U
Methyl N-Butyl Ketone	mg/L	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
4-Methyl-2-pentanone	mg/L	0.05 U	0.05 U	0.05 U	0.05 U
Methyl tert-butyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	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
Tetrachloroethene	mg/L	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
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	mg/L	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
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/L	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
o-Xylene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Total Xylenes	mg/L	0.002 U	0.002 U	0.002 U	0.002 U
Volatile Organics-SIM					
1,4-Dioxane	mg/L	NA	NA	NA	NA
Inorganics					
Antimony	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic	mg/L	0.002	0.004	0.01	0.002 U
Barium	mg/L	0.341	0.095	0.18	0.206
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Calcium	mg/L	166	47.2	152	148
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	0.009	0.005 U	0.005 U	0.005 U
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Iron	mg/L	21.9	11.5	24.9	23.9

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

Location ID: Date Collected:		TW-MD-04 10/03/18	TW-MD-05 10/03/18	TW-MD-06 10/04/18	TW-MD-07 10/04/18
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U
Magnesium	mg/L	43.7	21.9	43	43.9
Manganese	mg/L	1.16	0.356	0.947	0.201
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Thallium	mg/L	0.002 U	0.002 U	0.002 U	0.002 U
Vanadium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
Zinc	mg/L	0.005 U	0.005 U	0.009	0.005 U
Miscellaneous					
Alkalinity, total (as CaCO3)	mg/L	422	456	434	494
Hardness	mg/L	390	113	390	365
Total Dissolved Solids	mg/L	1,700	586	1,080	958
Total Suspended Solids	mg/L	37	20	46	43
Field Parameters					
pH	SU	6.69	6.85	6.81	6.61
Turbidity	NTU	2.35	8.92	8.20	3.40

APPENDIX D

CHEMICAL CONCENTRATION GRAPHS

