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Annual Groundwater Monitoring Report

Pontiac North Campus

January 5, 2012

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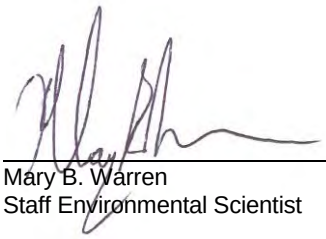

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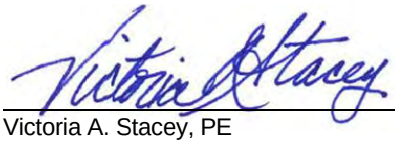

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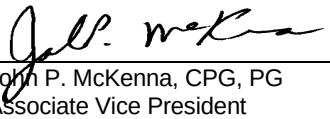

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Annual Groundwater Monitoring Report

Pontiac North Campus

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List of Acronyms and Abbreviations

AIR	Area of Industrial Redevelopment
DO	dissolved oxygen
EEC	Encore Environmental Consortium, LLC
EI	Environmental Indicators
ENCORE	Environmental Corporate Remediation
FSP	Field Sampling Plan
GM	General Motors LLC
GMP	Groundwater Monitoring Program
NRDWC	Nonresidential Drinking Water Criteria
LNAPL	light non-aqueous phase liquid
MDEQ	Michigan Department of Environmental Quality
MLC	Motors Liquidation Company
mg/L	milligrams per liter
ORP	oxygen reduction potential
PCBs	polychlorinated biphenyls
QAPP	Quality Assurance Project Plan
RFI	RCRA Facility Investigation
RCRA	Resource Conservation and Recovery Act
RDWC	Residential Drinking Water Criteria
Site	Pontiac North Campus
SSPL	Site-specific parameter list
TCL	target compound list
U.S. EPA	United States Environmental Protection Agency
USPS	United States Postal Service
VOCs	volatile organic compounds

1. Introduction

On July 10, 2009, Motors Liquidation Company (MLC) (formerly known as General Motors Corporation), who had filed for Chapter 11 protection under the Bankruptcy Code in federal court, sold certain assets to General Motors Company (now known as General Motors LLC (GM LLC)), including a portion of Pontiac North Campus. Effective March 31, 2011, the Revitalizing Auto Communities Environmental Response Trust (RACER Trust) was created through a Bankruptcy Settlement Agreement between MLC, the federal government, fourteen states, and the St. Regis Mohawk Tribe.

The annual groundwater sampling event was conducted between September 20 and 26, 2011 at the RACER Pontiac North Campus (hereafter referred to as the "Site") in Pontiac, Michigan (Figure 1). This groundwater sampling event was completed in accordance with the Resource Conservation and Recovery Act (RCRA) Environmental Indicators (EI) Report (ENVIRON, 2002).

On October 30, 2009, MLC and GM jointly submitted a request to the U.S. EPA to modify the Groundwater Monitoring Program (GMP) for the Site (Appendix A). The U.S. EPA responded via email to MLC and GM LLC granting the request for modification to the plan (Appendix B). Additionally, MLC and GM LLC have been conducting separate groundwater monitoring events since 2009.

Groundwater and LNAPL (if present) elevation measurements were recorded and groundwater samples were collected from a sub-set of the original list of monitoring wells presented in the EI Report (ENVIRON, 2002) as approved by the U.S. EPA (Appendices A and B). Beginning with the annual event in 2009, the focused set of monitoring wells being sampled is listed below.

Shallow Saturated Zone	
MW-40-99	MWM16-21
MWF1R	MWM16-43
MWF7-01*	MWW1-04
MWF12-01	MWW10-03

* MWF7-01 was not sampled in September 2011 because the well was inaccessible at the time of sampling.

The monitoring well locations are shown on Figures 2 and 3. 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 accessible monitoring wells on September 20 and 21, 2011 in accordance with procedures outlined in the Field Sampling Plan (FSP) of the RCRA Facility Investigation (RFI) Work Plan (EEC, 2001a). Groundwater and LNAPL levels were collected with either a static water level meter or an oil/water interface probe. These levels were measured to the nearest 0.01 foot. 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 shown in Table 1.

2.2 Groundwater Sample Collection

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

During purging, representative groundwater samples were collected from each monitoring well in the field at various time intervals and measured for dissolved oxygen (DO), temperature, specific electrical conductivity, turbidity, oxygen reduction potential (ORP), and pH. These water quality measurements were used to determine groundwater stability prior to collection of the groundwater samples submitted for laboratory analysis.

Groundwater samples were collected and submitted for laboratory analysis for target compound list (TCL) VOCs using U.S. EPA Method 8260B, polychlorinated biphenyls (PCBs) using U.S. EPA Method 8082, and select Site-specific parameter list (SSPL) metals using U.S. EPA Method 6020 and 7470A. Groundwater samples were not collected from MWF7-01. Groundwater samples were analyzed by TestAmerica in North Canton, Ohio in accordance with methods described in the RFI Work Plan.

3. Groundwater Sampling Results

3.1 Groundwater Flow

Groundwater elevations from shallow monitoring wells (screened across the water table) were used to create a shallow potentiometric surface (Figure 2) of the overburden material. Shallow groundwater flow across the Site and the GM property is generally to the 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), as shown on Figure 2. Groundwater level data will continue to be evaluated as part of the groundwater monitoring program to monitor changes in groundwater flow direction.

3.2 Analytical Results

The groundwater data were compared to select MDEQ Part 201 Generic Cleanup Criteria and Screening Levels (March 25, 2011). The select Part 201 criteria used to evaluate groundwater quality at the Site include residential and non-residential drinking water criteria (RDWC and NRDWC), volatilization to indoor air inhalation criteria, and groundwater contact criteria. These criteria are presented in Table 2. A summary of the September 2011 annual sampling event groundwater analytical data is included in Table 2, and is presented on Figure 3. A summary of groundwater analytical data dating back to 2001 is included in Appendix C.

It should be noted that the criteria used for comparison include criteria that are designed to be protective of potential exposures via drinking water use and are conservative for evaluating the groundwater data from the shallow and intermediate saturated zones at the Site. The Site and the immediate vicinity obtain potable water from the City of Detroit and do not rely on local groundwater as a drinking water supply. Therefore, groundwater with constituent concentrations higher than these generic screening criteria does not necessarily indicate that the groundwater poses unacceptable risks; it only suggests that the potential for the groundwater to pose unacceptable risks should be evaluated considering Site-specific factors.

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. However, groundwater at the Site does have the potential to migrate off-site based on the calculated southwesterly groundwater flow direction. Due to the potential for off-Site migration, residential drinking water criteria

are used for screening data near the downgradient property boundary. The September 2011 groundwater data, presented in Table 2 and on Figure 3, have been compared to residential screening criteria to assist the evaluation of groundwater quality near the downgradient property boundary.

The following is a summary of the September 2011 groundwater sample analytes and concentrations that exceeded selected screening criteria:

VOCs

- No exceedances of RDWC or NRDWC were detected in groundwater samples collected during the September 2011 sampling event.

PCBs

- No exceedances of RDWC or NRDWC were detected in groundwater samples collected during the September 2011 sampling event.

Inorganics

- The concentration of manganese detected at MWF12-01 (0.9 mg/L) exceeds the aesthetic RDWC and NRDWC of 0.05 mg/L. However, this concentration of manganese does not exceed the Non-residential Health-Based Drinking Water criteria of 2.5 mg/L.

pH

- MWW1-04 had an elevated ph reading of 11.77. The pH readings from the remaining wells that were sampled in September 2011 were within the RDWC and IDWC pH range of 6.5 to 8.5.

4. Conclusions

Groundwater analytical results are similar to previous sampling results at most locations. A summary of changes in constituent concentrations since the November 2010 sampling event is as follows:

- Methyl ethyl ketone (MEK) was detected at a concentration less than criteria in the groundwater sample collected from MW40-99 in September 2011. MEK was not detected in the November 2010 event. MEK is a common laboratory contaminant.

- Chloroform and bromodichloromethane were detected at concentrations less than criteria in the groundwater sample collected from MWM16-43. Chloroform is a common laboratory contaminant and bromodichloromethane is a common byproduct of drinking water chlorination. Chloroform was either not detected or detected below RDWC and NRDWC in samples from MWM16-43 in the two sampling events collected prior to September 2011 (December 2009 and November 2010).

- Cyclohexane and methylcyclohexane were detected at concentrations less than criteria in the groundwater sample collected from MW40-99. Neither compound was detected in samples collected in November 2010.

- Acetone was detected at a concentration less than criteria in the groundwater sample collected from MW40-99 in September 2011. Acetone is a common laboratory contaminant and a failure of a laboratory control sample for acetone was noted. Acetone concentrations were either not detected or below RDWC and NRDWC in November 2010 for MWM16-21, MW-40-99, MWW10-03, MWF12-01, and MWF7-01.

- Vanadium was detected at a concentration greater than RDWC and NRDWC in the groundwater sample collected from MWW1-04 (0.0616 mg/L) in December 2009. Vanadium was detected in September 2011 at 0.025 mg/L, which is less than RDWC and NRDWC.

- Manganese was detected at a concentration greater than the aesthetic RDWC and NRDWC in MWF12-01 (0.9 mg/L) in September 2011. Manganese was detected at a concentration greater than either RDWC or NRDWC at MWF12-01 (2.5 mg/L) in November 2010.

- Total PCBs detected in MWW1-04 (0.0003 mg/L) was below RDWC and NRDWC (both 0.0005 mg/L) in the September 2011 event. (MWW1-04 was not sampled in November 2010.) Total PCBs were detected above RDWC and NRDWC in December 2009. Total PCBs were not detected above criteria in MWW10-03 in December 2009, November 2010, or September 2011.

5. References

Encore Environmental Consortium, LLC (EEC). 2001a. RCRA Facility Investigation (RFI) Work Plan, General Motors Corporation, Pontiac North Campus, Pontiac, Michigan. May, 2001.

EEC. 2001b. Quality Assurance Project Plan (QAPP), General Motors Corporation, Pontiac North Campus, Pontiac, Michigan. May, 2001.

EEC. 2003. RCRA Facility Investigation (RFI) Supplemental Report No. 1, General Motors Corporation, Pontiac North Campus, Pontiac, Michigan. November, 2003.

ENVIRON International Corporation (ENVIRON). 2002. Resource Conservation and Recovery Act Environmental Indicators Report, General Motors Corporation, Pontiac North Campus Facility, Pontiac, Michigan. July, 2002.

MDEQ, 2006, Michigan Part 201 Generic Cleanup Criteria. Michigan Department of Environmental Quality, Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. January 23, 2006.

U.S. EPA, 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.

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Tables

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TABLE 1
SEPTEMBER 2011 GROUNDWATER ELEVATION SUMMARY
RACER Trust - PONTIAC NORTH CAMPUS

Well ID	Top of Well Casing Elevation[1]	Depth to Water (ft)	Depth to LNAPL (ft)	Groundwater Elevation	LNAPL Thickness (ft)	Equivalent Groundwater Elevation [2]
SITEWIDE						
MWP1R	982.67	17.67	--	965.00	--	--
SWDF-2	948.38	7.21	--	941.17	--	--
DWD10	952.70	42.71	--	909.99	--	--
DWD12	976.53	70.85	--	905.68	--	--
DWD13	945.28	37.39	--	907.89	--	--
GWD8R	950.39	30.87	--	919.52	--	--
GWD9	952.58	34.00	--	918.58	--	--
GWF4	973.93	46.35	--	927.58	--	--
GWM3	988.32	44.02	--	944.30	--	--
GWP3	983.94	77.20	--	906.74	--	--
GWP6	977.41	56.20	--	921.21	--	--
GWS2	983.51	42.95	--	940.56	--	--
IWD7R	950.51	12.35	--	938.16	--	--
IWF3	973.85	33.37	--	940.48	--	--
IWM2	987.92	43.57	--	944.35	--	--
IWP2	983.93	Dry	--	Dry	--	--
IWP5	976.62	52.64	--	923.98	--	--
MWF1R	--	25.57	--	--	--	--
MWF2	973.85	19.88	--	953.97	--	--
MWM1	988.28	8.35	--	979.93	--	--
MWP4	977.31	11.17	--	966.14	--	--
MWS1	983.17	10.23	--	972.94	--	--
OFFSITE						
MWOS-01	943.74	7.49	--	936.25	--	--
MWOS-05 D.P.	944.26	--	--	CNL	--	--
PZOS-01	945.08	--	--	CNL	--	--
PZOS-02	946.38	--	--	CNL	--	--
FIERO						
F-7						
MWF7-01	970.30	20.53	--	949.77	--	--
F-8						
MWF8-01	972.94	19.03	--	953.91	--	--
F-12						
MWF12-01	965.39	17.79	--	947.60	--	--
MWF12-02	966.81	18.63	--	948.18	--	--
MWF12-03	--	21.17	--	--	--	--
MWF12-05	--	19.25	--	--	--	--
MWF12-06	--	19.18	--	--	--	--
MWF12-07	--	22.75	--	--	--	--
MWF12-10	--	17.76	--	--	--	--
F-16						
MWF16-04	973.68	NM	--	CNA	--	--
MWF16-25	975.24	26.78	--	948.46	--	--
F-17						
PZ17-01	963.37	--	--	CNL	--	--
PZ17-02	977.43	24.25	--	953.18	--	--
PZ17-03	967.04	15.93	--	951.11	--	--
PZ17-04	972.47	20.42	--	952.05	--	--
PZ17-05	975.97	26.41	--	949.56	--	--
PONTIAC SCHOOL BOARD PROPERTY						
MWPS-02	942.30	5.28	--	937.02	--	--
DEMOLITION AREA						
W-1						
MWW1-01	963.65	3.95	--	959.70	--	--
MWW1-02	946.02	6.01		940.01		
MWW1-03	945.92	6.70	--	939.22	--	--
MWW1-04	944.20	4.70	--	939.50	--	--
MWW1-06	943.63	4.99	--	938.64	--	--
MW-40-99	952.32	13.13	--	939.19	--	--
MWD6R	950.49	NM	--	CNA	--	--
W-5						
MWW5-01	970.57	18.23	--	952.34	--	--
W-8						
MWW8-34	966.55	14.96	14.95	951.59	0.01	951.59
MWW8-36	968.62	17.11	16.51	951.51	0.60	951.39
MWW8-48	971.08	18.93	18.91	952.15	0.02	952.15
MWW8-65	969.62	34.55	31.07	935.07	3.48	934.38

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TABLE 1
SEPTEMBER 2011 GROUNDWATER ELEVATION SUMMARY
RACER Trust - PONTIAC NORTH CAMPUS

Well ID	Top of Well Casing Elevation[1]	Depth to Water (ft)	Depth to LNAPL (ft)	Groundwater Elevation	LNAPL Thickness (ft)	Equivalent Groundwater Elevation [2]
RWW8-119	969.36	18.49	--	950.87	--	--
RWW8-124	967.77	16.91	--	950.86	--	--
RWW8-125	967.64	16.86	--	950.78	--	--
RWW8-129	966.71	16.03	--	950.68	--	--
RWW8-130	966.44	15.75	--	950.69	--	--
RWW8-131	966.01	14.88	--	951.13	--	--
RWW8-132	965.47	15.27	--	950.20	--	--
RWW8-133	966.34	17.55	15.51	948.79	2.04	948.38
W-9						
GWD11R	976.82	59.45	--	917.37	--	--
W-10						
MWW10-01	963.75	--	--	CNL	--	--
MWW10-03	958.20	9.35	--	948.85	--	--
MWW10-05	967.45	--	--	CNL	--	--
MWW10-07	967.51	6.68	--	960.83	--	--
MWW10-08	967.31	8.04	7.11	959.27	0.93	959.08
MFD						
M-1						
MWM1-01	--	--	--	CNL	--	--
MWM1-02	--	--	--	CNL	--	--
MWM1-03	964.94	12.99	--	951.95	--	--
MWM1-04	970.25	18.51	--	951.74	--	--
MWM1-05	--	--	--	CNL	--	--
M-2						
MWM2-25	967.18	14.81	--	952.37	--	--
M-4						
MWM4-05	985.70	8.05	--	977.65	--	--
MWM4-07	985.22	27.61	--	957.61	--	--
MWM4-06	961.10	Plant 25 basement wells. Could not access.				
MWM4-08	960.81					
M-16						
MWM16-03	960.92	NM	--	CNA	--	--
MWM16-04	980.20	22.04	--	958.16	--	--
MWM16-21	980.81	23.51	--	957.30	--	--
MWM16-22	982.91	23.60	--	959.31	--	--
MWM16-43	979.66	23.08	--	956.58	--	--
MWM16-49	984.79	--	--	CNL	--	--
MWM16-54	983.67	27.41	--	956.26	--	--

Notes:
NM = Mot Measured
CNL = Could Not Locate
CNA = Could Not Access
1 - 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 (0.8). The calculation is as follows:

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

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Table 2
September 2011 - Groundwater Analytical Results Data Summary
RACER Trust
Pontiac North Campus

Location ID: / Date Collected:	Units	Groundwater Contact Criteria	Groundwater Surface Water Interface Criteria	Non-residential Drinking Water Criteria	Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria	Residential Drinking Water Criteria	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria	MW-40-99 09/25/11	MWF12-01 09/22/11	MWM16-21 09/23/11	MWM16-43 09/23/11	MWW10-03 09/23/11	MWF1R 09/22/11	MWW1-04 09/25/11
Pesticides/PCBs[1]														
Aroclor-1016 (PCB-1016)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	< 0.00020
Aroclor-1221 (PCB-1221)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	< 0.00020
Aroclor-1232 (PCB-1232)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	< 0.00020
Aroclor-1242 (PCB-1242)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	< 0.00020
Aroclor-1248 (PCB-1248)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	0.00030
Aroclor-1254 (PCB-1254)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	< 0.00020
Aroclor-1260 (PCB-1260)	mg/L	0.0033	0.0002	0.0005	0.045	0.0005	0.045	NA	NA	NA	NA	< 0.00020	NA	< 0.00020
Volatile Organics														
1,1,1-Trichloroethane	mg/L	1,300	0.089	0.2	1,300	0.2	660	< 0.001	0.015	< 0.001	< 0.001	< 0.001	0.00053 J	NA
1,1,2,2-Tetrachloroethane	mg/L	4.7	0.078	0.035	77	0.0085	12	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,1,2-Trichloroethane	mg/L	21	0.33	0.005	110	0.005	17	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,1-Dichloroethane	mg/L	2,400	0.74	3	2,300	0.88	1,000	< 0.001	0.0024	< 0.001	< 0.001	< 0.001	0.00095 J	NA
1,1-Dichloroethene	mg/L	11	0.13	0.007	1.3	0.007	0.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00022 J	NA
1,2,4-Trichlorobenzene	mg/L	19	0.099	0.07	300	0.07	300	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	--	--	--	--	--	--	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.025	0.0057	0.00005	15	0.00005	2.4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,2-Dichlorobenzene	mg/L	1.60E+02	0.013	0.6	160	0.6	160	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,2-Dichloroethane	mg/L	19	0.36	0.005	59	0.005	9.6	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,2-Dichloropropane	mg/L	16	0.23	0.005	36	0.005	16	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,3-Dichlorobenzene	mg/L	2	0.028	0.019	41	0.0066	18	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
1,4-Dichlorobenzene	mg/L	6.4	0.017	0.075	74	0.075	16	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	240,000	2	38	240,000	13	240,000	0.00068 J	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	NA
2-Hexanone	mg/L	5,200	--	3	8,700	1	4,200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	13,000	--	5	20,000	1.8	20,000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA
Acetone	mg/L	31,000	2	2	1,000,000	0.73	1,000,000	0.0063 J	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	NA
Benzene	mg/L	11	0.2	0.005	35	0.005	5.6	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Bromodichloromethane	mg/L	14	--	0.08	37	0.08	4.8	< 0.001	< 0.001	< 0.001	0.00039 J	< 0.001	< 0.001	NA
Bromoform	mg/L	140	--	0.08	3,100	0.08	470	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Bromomethane (Methyl Bromide)	mg/L	70	0.035	0.029	9	0.01	4	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Carbon disulfide	mg/L	1,200	--	2	550	0.8	250	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Carbon tetrachloride	mg/L	4.6	0.045	0.005	2.4	0.005	0.37	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Chlorobenzene	mg/L	86	0.025	0.1	470	0.1	210	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Chloroethane	mg/L	440	1	2	5,700	0.43	5,700	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Chloroform (Trichloromethane)	mg/L	150	0.35	0.08	180	0.08	28	< 0.001	< 0.001	< 0.001	0.00061 J	< 0.001	< 0.001	NA
Chloromethane (Methyl Chloride)	mg/L	490	--	1	45	0.26	8.6	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
cis-1,2-Dichloroethene	mg/L	200	0.62	0.07	210	0.07	93	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
cis-1,3-Dichloropropene	mg/L	--	--	--	--	--	--	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Cyclohexane	mg/L	--	--	--	--	--	--	0.00017 J	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Dibromochloromethane	mg/L	18	--	0.08	110	0.08	14	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Dichlorodifluoromethane (CFC-12)	mg/L	300	--	5	300	1.7	220	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Ethylbenzene	mg/L	170	0.018	0.074	170	0.074	110	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Isopropylbenzene	mg/L	56	0.028	2	56	0.8	56	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Methyl acetate	mg/L	--	--	--	--	--	--	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	NA
Methyl cyclohexane	mg/L	--	--	--	--	--	--	0.00029 J	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Methyl Tert Butyl Ether	mg/L	610	7	0.04	47,000	0.04	47,000	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Methylene chloride	mg/L	220	2	0.005	1,400	0.005	220	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Styrene	mg/L	9.7	0.08	0.1	310	0.1	170	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Tetrachloroethene	mg/L	12	0.06	0.005	170	0.005	25	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Toluene	mg/L	530	0.27	0.79	530	0.79	530	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
trans-1,2-Dichloroethene	mg/L	220	2	0.1	200	0.1	85	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
trans-1,3-Dichloropropene	mg/L	--	--	--	--	--	--	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Trichloroethene	mg/L	22	0.2	0.005	97	0.005	15	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Trichlorofluoromethane (CFC-11)	mg/L	1,100	--	7	1,100	2.6	1,100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA

ARCADIS

Table 2
September 2011 - Groundwater Analytical Results Data Summary
RACER Trust
Pontiac North Campus

Location ID: / Date Collected:	Units	Groundwater Contact Criteria	Groundwater Surface Water Interface Criteria	Non-residential Drinking Water Criteria	Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria	Residential Drinking Water Criteria	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria	MW-40-99 09/25/11	MWF12-01 09/22/11	MWM16-21 09/23/11	MWM16-43 09/23/11	MWW10-03 09/23/11	MWF1R 09/22/11	MWW1-04 09/25/11
Volatile Organics continued														
Trifluorotrichloroethane (Freon 113)	mg/L	170	0.032	170	170	170	170	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Vinyl chloride	mg/L	1	0.013	0.002	13	0.002	1.1	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	NA
Xylene, total	mg/L	190	0.041	0.28	190	0.28	190	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	NA
Inorganics														
Antimony	mg/L	68	0.13	0.006	--	0.006	--	NA	NA	NA	NA	NA	NA	0.0046
Lead[2]	mg/L	--	0.014	0.004	--	0.004	--	NA	NA	NA	NA	< 0.001	NA	NA
Manganese[2]	mg/L	9,100	1.3	0.05	--	0.05	--	NA	0.9	NA	NA	NA	NA	NA
Vanadium	mg/L	970	0.012	0.062	--	0.0045	--	NA	NA	NA	NA	NA	NA	0.025

Notes:

All criteria listed are from Michigan Department of Environmental Quality Operational Memorandum #1, Attachment #1, dated March 25, 2011.

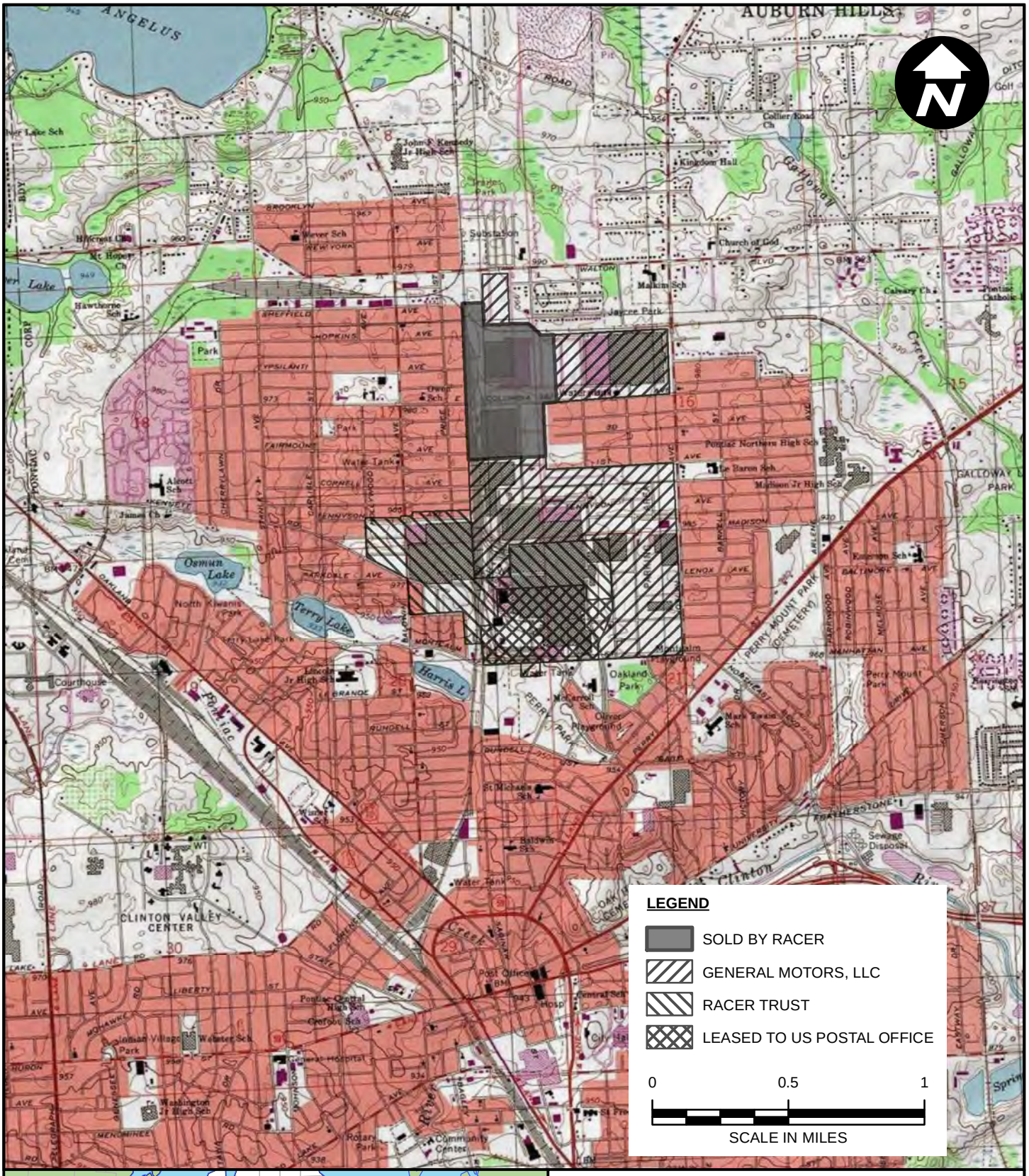
"<" indicates the analyte not detected greater than the reporting limit listed.

"J" indicates the result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an appoximate value.

1. The criteria listed is for Total PCBs.
2. Groundwater Surface Water Interface Criteria listed is calculated based on a hardness of 150 mg/L-$CaCO_3$ for southern Lower Peninsula Waters protected as a drinking water source.

ARCADIS

Figures



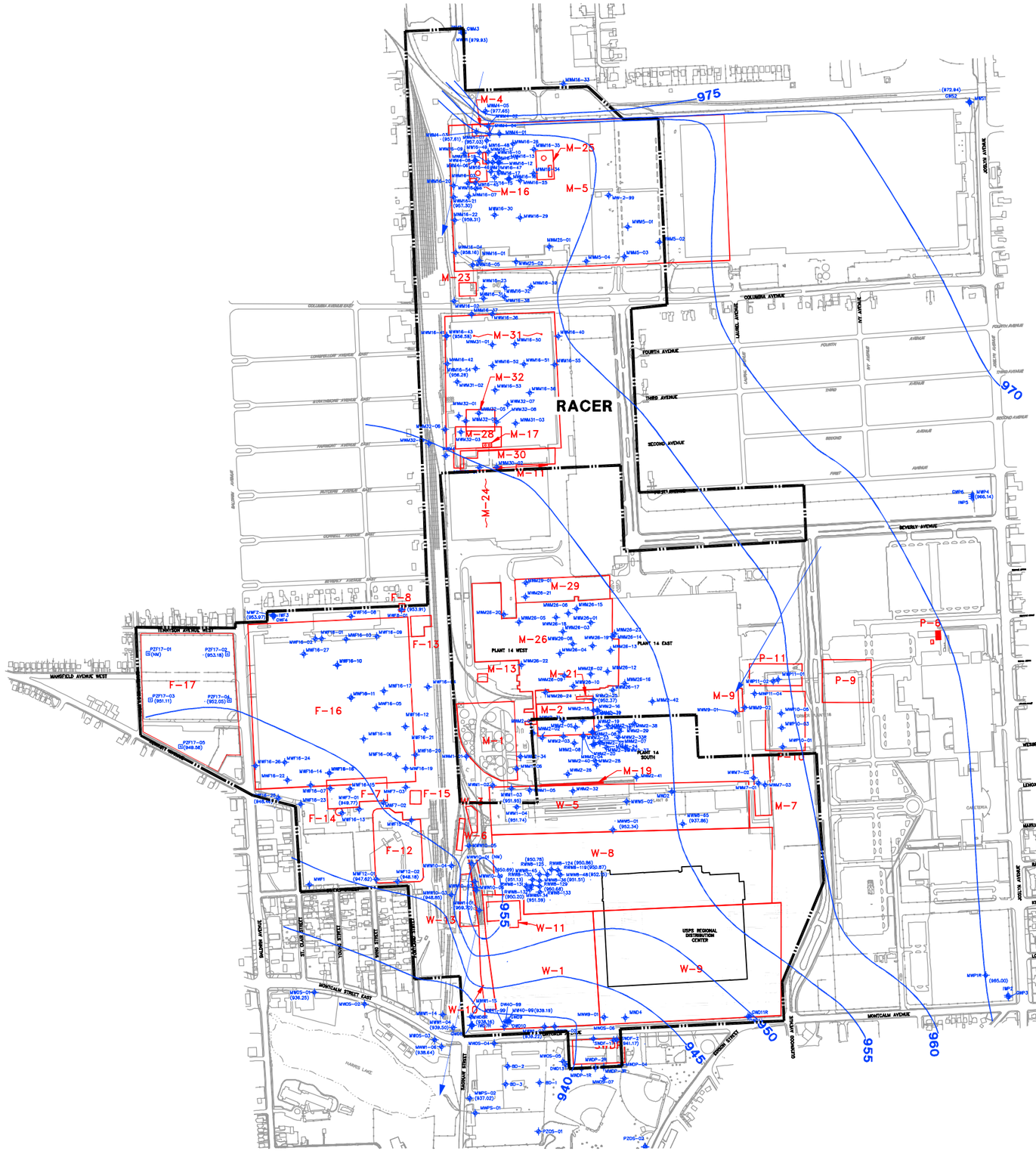
RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SITE LOCATION

ARCADIS

FIGURE
1

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



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER PIEZOMETER LOCATION
- FENCED AREA
- APPROXIMATE AOI AREA
- (962.59) GROUNDWATER ELEVATION IN FEET
- 950 GROUNDWATER ELEVATION CONTOUR LINE IN FEET
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE RACER TRUST PROPERTY BOUNDARY
- (962.59)* MEASUREMENT NOT USED TO CALCULATE GROUNDWATER CONTOURS, MEASUREMENT INCONSISTENT WITH HISTORICAL DATA

NOTES:

1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS CALCULATED FROM WATER LEVELS COLLECTED SEPTEMBER 21–22, 2011.
3. IN AREAS OF HIGH MONITORING WELL DENSITY, NOT ALL WELLS SHOWING SIMILAR ELEVATIONS ARE SHOWN.

0 400' 800'
GRAPHIC SCALE

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

SHALLOW GROUNDWATER FLOW MAP SEPTEMBER 21-22, 2011

ARCADIS

FIGURE 2

CITY: BRIGHTON DIV/GROUP: 141 DB: A.FOX LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BRIGHTON\ACT\B0064607\2011\000001\DWG\64607W02.dwg LAYOUT: 2SAVED: 12/7/2011 2:58 PM ACADVER: 18.1S (LMS TECH) PAGESETUP:
XREFS: IMAGES: PROJECTNAME: ---
64411X20
12/7/2011 3:31 PM BY: FOX, AARON ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED:

CITY: BRIGHTON DIV/GROUP: 141 DB: A. FOX LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*;OFF=*REF*
G:\ENVCAD\BRIGHTON\ACTIVE\00064607\2011\00002\DWG\64607C01.DWG LAYOUT: 3SAVED: 1/5/2012 4:15 PM BY: FOX, AARON
XREFS: IMAGES: PROJECTNAME: ---- PLTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/5/2012 4:15 PM BY: FOX, AARON
64411X00
64411X20

MWM8-43	5/9/2008	11/7/2008	12/16/2009	11/5/2010	9/23/2011
COC/F					
2,3,7,8-TCDD (TEQ)	NA	NA	NA	NA	NA
Field Parameters					
pH Field	6.9	7.2	7.1	NA	6.96
Inorganics					
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium (Total)	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide (Total)	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Pests/PCBs					
Total PCBs	NA	NA	NA	NA	NA
SVOCs					
2,4-Dimethylphenol	NA	NA	NA	NA	NA
benzo(a)pyrene	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA
dibenz(a,h)anthracene	NA	NA	NA	NA	NA
pentachlorophenol	NA	NA	NA	NA	NA
VOCs					
1,1,1-Trichloroethane	NA	NA	NA	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	NA	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethane	NA	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethene	NA	NA	NA	ND(0.001)	ND(0.001)
1,2-Dichloroethane	NA	NA	NA	ND(0.001)	ND(0.001)
Acetone	NA	NA	NA	ND(0.01)	ND(0.01)
Benzene	NA	NA	NA	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	NA	NA	NA	ND(0.001)	ND(0.001)
Ethylbenzene	NA	NA	NA	ND(0.001)	ND(0.001)
Methylene chloride	NA	NA	NA	ND(0.005)	ND(0.005)
Tetrachloroethene	NA	NA	NA	ND(0.001)	ND(0.001)
Toluene	NA	NA	NA	ND(0.001)	ND(0.001)
Trichloroethene	NA	NA	NA	ND(0.001)	ND(0.001)
Vinyl Chloride	NA	NA	NA	ND(0.001)	ND(0.001)

MWM16-21	5/9/2008	11/5/2008	12/16/2009	11/5/2010	9/23/2011
COC/F					
2,3,7,8-TCDD (TEQ)	NA	NA	NA	NA	NA
Field Parameters					
pH Field	7.53	7.26	6.91	NA	7.18
Inorganics					
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium (Total)	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide (Total)	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Pests/PCBs					
Total PCBs	NA	NA	NA	NA	NA
SVOCs					
2,4-Dimethylphenol	NA	NA	NA	NA	NA
benzo(a)pyrene	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA
dibenz(a,h)anthracene	NA	NA	NA	NA	NA
pentachlorophenol	NA	NA	NA	NA	NA
VOCs					
1,1,1-Trichloroethane	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
Acetone	ND(0.01)	NA	NA	ND(0.025)	ND(0.025)
Benzene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	NA	NA	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
Toluene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)
Vinyl Chloride	ND(0.001)	NA	NA	ND(0.001)	ND(0.001)

MWM7-01	11/7/2007	5/7/2008	11/4/2008	12/15/2009	11/4/2010
COC/F					
2,3,7,8-TCDD (TEQ)	NA	NA	NA	NA	NA
Field Parameters					
pH Field	6.66	NA	NA	NA	NA
Inorganics					
Antimony	ND(0.025)	ND(0.025)	NA	NA	NA
Arsenic	ND(0.002)	0.0013 J	NA	NA	NA
Barium	0.0586	0.0901	NA	NA	NA
Beryllium	ND(0.001)	ND(0.001)	NA	NA	NA
Cadmium	0.00069 J	ND(0.005)	NA	NA	NA
Chromium (Total)	ND(0.01)	ND(0.01)	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA
Cobalt	ND(0.02)	ND(0.02)	NA	NA	NA
Copper	ND(0.005)	ND(0.005)	NA	NA	NA
Cyanide (Total)	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA
Lead	ND(0.003)	ND(0.003)	NA	NA	NA
Manganese	0.379	0.421	NA	NA	NA
Nickel	ND(0.02)	ND(0.02)	NA	NA	NA
Selenium	ND(0.005)	ND(0.005)	NA	NA	NA
Thallium	ND(0.001)	ND(0.001)	NA	NA	NA
Vanadium	ND(0.01)	ND(0.01)	NA	NA	NA
Pests/PCBs					
Total PCBs	ND(0.0016)	ND(0.0016)	NA	NA	NA
SVOCs					
2,4-Dimethylphenol	ND(0.005)	ND(0.005)	NA	NA	NA
benzo(a)pyrene	ND(0.005)	ND(0.005)	NA	NA	NA
bis(2-ethylhexyl)phthalate	ND(0.005)	ND(0.005)	NA	NA	NA
dibenz(a,h)anthracene	ND(0.005)	ND(0.005)	NA	NA	NA
pentachlorophenol	ND(0.005)	ND(0.005)	NA	NA	NA
VOCs					
1,1,1-Trichloroethane	0.0075	0.014	0.038	0.023	0.014
1,1,2-Trichloroethane	ND(0.001)	ND(0.001)	ND(0.0017)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.0019	0.0048	0.012	0.0085	0.0048
1,1-Dichloroethene	0.00063 J	0.0017	0.0036	0.0027	0.0019
1,2-Dichloroethane	ND(0.001)	ND(0.001)	ND(0.0017)	ND(0.001)	ND(0.001)
Acetone	ND(0.01)	ND(0.01)	ND(0.017)	ND(0.01)	0.0018 J
Benzene	ND(0.001)	ND(0.001)	ND(0.0017)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.00036 J	0.00087 J	0.0026	0.0013 J	0.0009 J
Ethylbenzene	ND(0.001)	ND(0.001)	ND(0.0017)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.005)	ND(0.005)	ND(0.0017) J	ND(0.005)	ND(0.005)
Tetrachloroethene	0.00095 J	0.0016	0.0055 J (ON/MDW)	0.0033	0.0016
Toluene	ND(0.001)	ND(0.001)	ND(0.0017)	ND(0.001)	ND(0.001)
Trichloroethene	0.00034 J	0.00032 J	0.00051 J	0.00032 J	ND(0.001)
Vinyl Chloride	ND(0.001)	ND(0.001)	ND(0.0017)	ND(0.001)	ND(0.001)

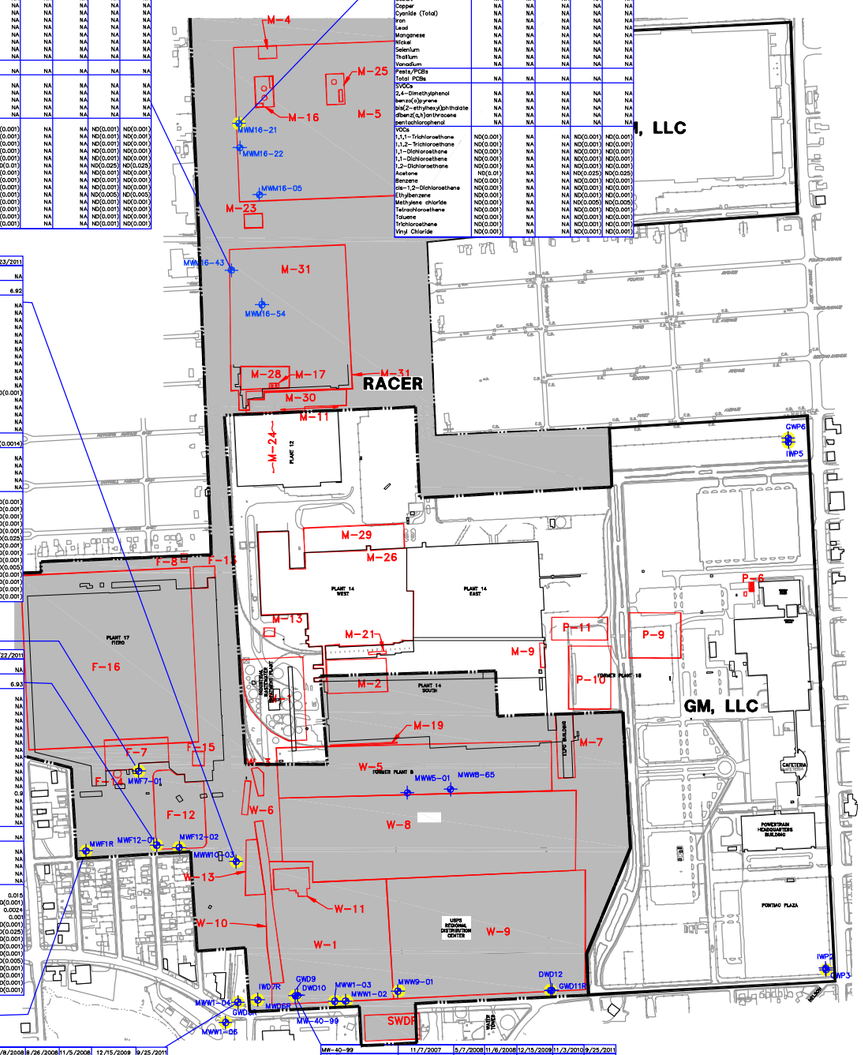
MWM9-03	11/8/2007	11/8/2007	5/8/2008	11/8/2008	12/15/2009	11/4/2010	9/23/2011
COC/F							
2,3,7,8-TCDD (TEQ)	ND(0.000000017)	NA	NA	NA	NA	NA	NA
Field Parameters							
pH Field	6.68	NA	7.31	6.93	7.07	NA	6.92
Inorganics							
Antimony	ND(0.025)	NA	NA	NA	NA	NA	NA
Arsenic	ND(0.002)	NA	NA	NA	NA	NA	NA
Barium	0.0905	NA	NA	NA	NA	NA	NA
Beryllium	ND(0.001)	NA	NA	NA	NA	NA	NA
Cadmium	ND(0.005)	NA	NA	NA	NA	NA	NA
Chromium (Total)	ND(0.01)	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	ND(0.02)	NA	NA	NA	NA	NA	NA
Copper	ND(0.005)	NA	NA	NA	NA	NA	NA
Cyanide (Total)	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	ND(0.003)	NA	NA	NA	NA	0.0005 B	ND(0.001)
Manganese	0.0362	NA	NA	NA	NA	NA	NA
Nickel	ND(0.02)	NA	NA	NA	NA	NA	NA
Selenium	ND(0.005)	NA	NA	NA	NA	NA	NA
Thallium	ND(0.001)	NA	NA	NA	NA	NA	NA
Vanadium	ND(0.01)	NA	NA	NA	NA	NA	NA
Pests/PCBs							
Total PCBs	ND(0.0018)	NA	NA	NA	NA	ND(0.0014)	ND(0.0014)
SVOCs							
2,4-Dimethylphenol	ND(0.005)	NA	NA	NA	NA	NA	NA
benzo(a)pyrene	ND(0.005)	NA	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	ND(0.005)	NA	NA	NA	NA	NA	NA
dibenz(a,h)anthracene	ND(0.005)	NA	NA	NA	NA	NA	NA
pentachlorophenol	ND(0.005)	NA	NA	NA	NA	NA	NA
VOCs							
1,1,1-Trichloroethane	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethane	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,2-Dichloroethane	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Acetone	NA	ND(0.01)	NA	NA	NA	ND(0.025)	ND(0.025)
Benzene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Ethylbenzene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Methylene chloride	NA	ND(0.001)	NA	NA	NA	ND(0.005)	ND(0.005)
Tetrachloroethene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Toluene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Trichloroethene	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Vinyl Chloride	NA	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)

MWM12-04	11/7/2007	5/7/2008	11/4/2008	12/15/2009	11/4/2010	9/22/2011
COC/F						
2,3,7,8-TCDD (TEQ)	NA	NA	NA	NA	NA	NA
Field Parameters						
pH Field	NA	NA	NA	NA	NA	6.93
Inorganics						
Antimony	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA
Chromium (Total)	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA
Cyanide (Total)	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	2.5	0.8
Nickel	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA
Pests/PCBs						
Total PCBs	NA	NA	NA	NA	NA	NA
SVOCs						
2,4-Dimethylphenol	NA	ND(0.005 J)	NA	NA	NA	NA
benzo(a)pyrene	NA	ND(0.005 J)	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	NA	ND(0.005 J)	NA	NA	NA	NA
dibenz(a,h)anthracene	NA	ND(0.005 J)	NA	NA	NA	NA
pentachlorophenol	NA	ND(0.005 J)	NA	NA	NA	NA
VOCs						
1,1,1-Trichloroethane	0.061	NA	0.048	0.062	0.0091	0.013
1,1,2-Trichloroethane	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.009	NA	0.0075	0.008	0.0016	0.0024
1,1-Dichloroethene	0.0063	NA	0.003	0.0035	0.00056 J	0.001
1,2-Dichloroethane	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)
Acetone	ND(0.02)	NA	0.065	ND(0.02)	0.0012 J	ND(0.01)
Benzene	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	0.0061	NA	0.00055 J	0.00069 J	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.002)	NA	ND(0.0017 J)	ND(0.002)	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.002)	NA	ND(0.0017 J)	ND(0.002)	ND(0.001)	ND(0.001)
Toluene	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)
Vinyl Chloride	ND(0.002)	NA	ND(0.0017)	ND(0.002)	ND(0.001)	ND(0.001)

MWF1	11/7/2007	5/8/2008	12/15/2009	11/4/2010	9/22/2011
COC/F					
2,3,7,8-TCDD (TEQ)	NA	NA	NA	NA	NA
Field Parameters					
pH Field	7.17	NA	6.73 [6.73]	NA	6.82
Inorganics					
Antimony	0.003 J	ND(0.025)	NA	NA	NA
Arsenic	0.0012 J	0.0927	NA	NA	NA
Barium	0.212	0.439	NA	NA	NA
Beryllium	ND(0.001)	ND(0.001)	NA	NA	NA
Cadmium	ND(0.005)	ND(0.005)	NA	NA	NA
Chromium (Total)	ND(0.01)	ND(0.01)	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA
Cobalt	ND(0.02)	ND(0.02)	NA	NA	NA
Copper	ND(0.005)	ND(0.005)	NA	NA	NA
Cyanide (Total)	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA
Lead	ND(0.003)	0.0032	NA	NA	NA
Manganese	0.199	0.348	NA	NA	NA
Nickel	ND(0.02)	ND(0.02)	NA	NA	NA
Selenium	ND(0.005)	0.0063	NA	NA	NA
Thallium	ND(0.001)	ND(0.001)	NA	NA	NA
Vanadium	ND(0.01)	0.0069 J	NA	NA	NA
Pests/PCBs					
Total PCBs	NA	NA	NA	NA	NA
SVOCs					
2,4-Dimethylphenol	ND(0.005)	ND(0.005)	NA	NA	NA
benzo(a)pyrene	ND(0.005)	ND(0.005)	NA	NA	NA
bis(2-ethylhexyl)phthalate	ND(0.005)	ND(0.005)	NA	NA	NA
dibenz(a,h)anthracene	ND(0.005)	ND(0.005)	NA	NA	NA
pentachlorophenol	ND(0.005)	ND(0.005)	NA	NA	NA
VOCs					
1,1,1-Trichloroethane	0.0072	0.0012	NA	ND(0.001)	0.00053 J
1,1,2-Trichloroethane	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethane	0.0017	0.00055 J	NA	0.00022 J	0.00095 J
1,1-Dichloroethene	0.00089 J	0.00029 J	NA	ND(0.001)	0.00022 J
1,2-Dichloroethane	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
Acetone	ND(0.01)	ND(0.01)	NA	ND(0.025)	ND(0.025)
Benzene	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.001)	ND(0.001)	NA	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
Toluene	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)
Vinyl Chloride	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)

MWM11-04	11/9/2007	11/14/2007	5/8/2008	8/26/2008	11/5/2008	12/15/2009	9/25/2011
COC/F							
2,3,7,8-TCDD (TEQ)	ND(0.000000021B)	NA	NA	NA	NA	NA	NA
Field Parameters							
pH Field	11.38	11.79	12.35	10.96	12.28	11.44	11.77
Inorganics							
Antimony	0.0069 J	NA	NA	NA	NA	NA [0.0072 J]	0.0046
Arsenic	0.0088	NA	NA	NA	NA	NA	NA
Barium	0.0342	NA	NA	NA	NA	NA	NA
Beryllium	ND(0.001)	NA	NA	NA	NA	NA	NA
Cadmium	ND(0.005)	NA	NA	NA	NA	NA	NA
Chromium (Total)	0.0047	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	ND(0.02)	NA	NA	NA	NA	NA	NA
Copper	0.0098	NA	NA	NA	NA	NA	NA
Cyanide (Total)	0.0079 J	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	ND(0.003)	NA	NA	NA	NA	NA	NA
Manganese	ND(0.01)	NA	NA	NA	NA	NA	NA
Nickel	0.035	NA	NA	NA	NA	NA	NA
Selenium	ND(0.005)	NA	NA	NA	NA	NA	NA
Thallium	ND(0.001)	NA	NA	NA	NA	NA	NA
Vanadium	0.0263	NA	NA	NA	NA	NA [0.0609]	0.025
Pests/PCBs							
Total PCBs	0.00038	NA	NA	NA	NA	NA [0.00033]	0.0003
SVOCs							
2,4-Dimethylphenol	0.007	NA	NA	NA	NA	NA	NA
benzo(a)pyrene	ND(0.005)	NA	NA	NA	NA	NA	NA
bis(2-ethylhexyl)phthalate	ND(0.005)	NA	NA	NA	NA	NA	NA
dibenz(a,h)anthracene	ND(0.005)	NA	NA	NA	NA	NA	NA
pentachlorophenol	0.007 J (ON/MDW)	NA	NA	NA	NA	NA	NA
VOCs							
1,1,1-Trichloroethane	ND(0.001)	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.001)	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ND(0.001)	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ND(0.001)	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.001)	NA	NA	NA	NA	NA	NA
Acetone	ND(0.013)	NA	NA	NA	NA	NA	NA
Benzene	ND(0.001)	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ND(0.001)	NA	NA	NA	NA	NA	NA
Ethylbenzene	ND(0.001)	NA	NA	NA	NA	NA	NA
Methylene chloride	ND(0.001)	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.001)	NA	NA	NA	NA	NA	NA
Toluene	ND(0.001)	NA	NA	NA	NA	NA	NA
Trichloroethene	ND(0.001)	NA	NA	NA	NA	NA	NA
Vinyl Chloride	ND(0.001)	NA	NA	NA	NA	NA	NA

MW-40-99	11/7/2007	5/7/2008	11/5/2008	12/15/2009	11/3/2010	9/25/2011
COC/F						
2,3,7,8-TCDD (TEQ)	ND(0.000000022J)	NA	NA	NA	NA	NA
Field Parameters						
pH Field	6.85	NA	NA	6.87	NA	7.19
Inorganics						
Antimony	ND(0.025)	NA	NA	NA	NA	NA
Arsenic	0.0037	NA	NA	NA	NA	NA
Barium	0.168	NA	NA	NA	NA	NA
Beryllium	ND(0.001)	NA	NA	NA	NA	NA
Cadmium	ND(0.005)	NA	NA	NA	NA	NA
Chromium (Total)	ND(0.01)	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA
Cobalt	ND(0.02)	NA	NA	NA	NA	NA
Copper	ND(0.005)	NA	NA	NA	NA	NA
Cyanide (Total)	ND(0.01)	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA
Lead	ND(0.003)	NA	NA	NA	NA	NA
Manganese	0.29	NA	NA	NA	NA	NA
Nickel	ND(0.02)	NA	NA	NA	NA	NA
Selenium	ND(0.005)	NA	NA	NA	NA	NA
Thallium	ND(0.001)	NA	NA	NA	NA	NA
Vanadium	ND(0.01)	NA	NA	NA	NA	NA
Pests/PCBs						
Total PCBs	ND(0.0016)	NA	NA	NA	NA	NA
SVOCs						
2,4-Dimethylphenol	ND(0.005)	ND(0.012)	ND(0.005)	NA	NA	NA
benzo(a)pyrene	ND(0.005)	ND(0.012)	ND(0.005)	NA	NA	NA
bis(2-ethylhexyl)phthalate	ND(0.005)	ND(0.012)	ND(0.005)	NA	NA	NA
dibenz(a,h)anthracene	ND(0.005)	ND(0.012)	ND(0.005)	NA	NA	NA
pentachlorophenol	ND(0.005)	ND(0.012)	ND(0.005)	NA	NA	NA
VOCs						
1,1,1-Trichloroethane	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,1,2-Trichloroethane	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethane	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,1-Dichloroethene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
1,2-Dichloroethane	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Acetone	ND(0.01)	NA	NA	NA	0.0014 J	0.0063 J
Benzene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
cis-1,2-Dichloroethene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Ethylbenzene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Methylene chloride	ND(0.001)	NA	NA	NA	ND(0.005)	ND(0.005)
Tetrachloroethene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Toluene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Trichloroethene	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)
Vinyl Chloride	ND(0.001)	NA	NA	NA	ND(0.001)	ND(0.001)



LEGEND:

- APPROXIMATE GENERAL MOTORS (GM) COMPANY, LLC PROPERTY BOUNDARY
- APPROXIMATE RACER TRUST (RACER) PROPERTY BOUNDARY
- MWM1 — GROUNDWATER MONITORING WELL LOCATION
- MWW1-04 — GROUNDWATER MONITORING WELL LOCATION WITH CONSTITUENT(S) CURRENTLY OR HISTORICALLY EXCEEDING INDUSTRIAL CRITERIA
- FENCED AREA
- M-5 — APPROXIMATE AOI AREA AND IDENTIFICATION NUMBER

MICHIGAN PART 201 GENERIC CRITERIA FOR GROUNDWATER

RDWC – RESIDENTIAL DRINKING WATER CRITERIA
IDWC – NON-RESIDENTIAL DRINKING WATER CRITERIA
RGVIC – RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR INHALATION CRITERIA
IGVIC – NON-RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR INHALATION CRITERIA
GCC – GROUNDWATER CONTACT CRITERIA

- CONSTITUENT CONCENTRATION EXCEEDS NON-RESIDENTIAL SCREENING CRITERIA (THIS MAY INCLUDE HISTORICAL DATA NOT PRESENTED ON THIS FIGURE)
- CONSTITUENT CONCENTRATION EXCEEDS RESIDENTIAL SCREENING CRITERIA (THIS MAY INCLUDE HISTORICAL DATA NOT PRESENTED ON THIS FIGURE)

NOTES:

1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
2. ALL CONCENTRATIONS ARE PRESENTED IN MILLIGRAMS PER LITER (mg/L).
3. DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS.
4. ND (0.25) – CONSTITUENT NOT DETECTED, ASSOCIATED DETECTION LIMIT PRESENTED IN BRACKETS.
5. J – ESTIMATED CONCENTRATION.
6. NA – NOT ANALYZED
7. ANALYTICAL DATA DATING BACK TO NOVEMBER 2007 PRESENTED ON THIS FIGURE. ALL HISTORICAL DATA PRESENTED IN ATTACHMENT 3.
8. NS – NOT SAMPLED

0 500' 1000'
GRAPHIC SCALE

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

GROUNDWATER ANALYTICAL SUMMARY SEPTEMBER 2011 ANNUAL GROUNDWATER MONITORING EVENT

ARCADIS

FIGURE
3

ARCADIS

Appendix A

Letter to U.S. EPA

Transmitted Via Email

October 30, 2009

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

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

Dear Mr. Nemani:

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

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

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

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

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

Sincerely,

Robert Hare
MLC Project Manager
248-225-3277

Jean Caufield
GM LLC Project Manager
313-506-9468

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

Attachment A
Proposed Modifications
Semi-Annual Groundwater Monitoring Program

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

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

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

This submittal proposes the following:

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

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

SEMI-VOLATILE ORGANIC COMPOUNDS

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

SHALLOW MONITORING WELLS

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

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

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

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

INTERMEDIATE MONITORING WELLS

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

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

DEEP MONITORING WELLS

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

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

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

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

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

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

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Appendix B

Email Approval from U.S. EPA

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

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

Bob:

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

The submittal requested approval for the following provisions.

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

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

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

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

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

If you have any questions, please contact me.

Nate

NATE NEMANI, P.E.
RCRA CORRECTIVE ACTION PROJECT MANAGER
LAND AND CHEMICALS DIVISION
REMEDIATION AND REUSE BRANCH,
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(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
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[attachment "PNC Proposed Modifications to GMP.pdf" deleted by Nate Nemani/R5/USEPA/US]

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Appendix C

Historical Semi-Annual Sampling Event Groundwater Analytical Data Summary (CD)

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

Sample ID: / Date Collected:	Units	DWD10 01/22/02	DWD10 11/12/02	DWD10 05/19/03	DWD10 12/11/03	DWD10 05/03/04	DWD10 10/26/04	DWD10 05/11/05	DWD10 11/02/05	DWD10 05/17/06	DWD10 11/13/06	DWD10 05/02/07	DWD10 11/07/07	DWD10 05/07/08	DWD10 11/06/08	DWD12 01/18/02	DWD12 11/12/02	DWD12 05/20/03	DWD12 10/31/03
VOCs																			
1,1,1-Trichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,1,2,2-Tetrachloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,1-Dichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,1-Dichloroethene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,2,4-Trichlorobenzene	mg/L	0.01 U	0.0033 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.02 U	0.0067 U	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,2-Dichlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,2-Dichloroethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,2-Dichloropropane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,3-Dichlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
1,4-Dichlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.1 U	0.033 UJ	0.00096 J	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	NA
2-Hexanone	mg/L	0.1 U	0.033 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.1 U	0.033 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
Acetone	mg/L	0.1 U	0.033 UJ	0.045 J	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	NA
Benzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Bromodichloromethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Bromoform	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.01 UJ	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Carbon disulfide	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00024 J	0.00055 J	0.00093 J	NA
Carbon tetrachloride	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Chlorobenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Chloroethane	mg/L	0.01 UJ	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Chloromethane (Methyl Chloride)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.00021 J	0.001 U	0.001 U	0.00014 J	0.00021 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.005 U	0.0017 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	NA
cis-1,3-Dichloropropene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	NA
Cyclohexane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA
Dibromochloromethane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.02 U	0.0067 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	NA
Ethylbenzene	mg/L	0.01 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	R	R	0.001 UJ	NA
Isopropylbenzene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00061 J	0.001 U	0.001 U	0.001 U	0.001 U	NA
Methyl acetate	mg/L	0.1 U	0.033 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
Methyl cyclohexane	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA
Methyl Tert Butyl Ether	mg/L	0.05 U	0.017 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0052	0.0014 J	0.0027 J	NA
Methylene chloride	mg/L	0.01 U	0.0016 J	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.018	0.001 UJ [0.001 UJ]
Styrene	mg/L	0.01 UJ	0.0033 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0006 J	0.001 U	0.001 U	0.001 U	R	NA
Tetrachloroethene	mg/L	0.01 UJ	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Toluene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Total 1,3 Dichloropropenes	mg/L	0.01 U	0.0033 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.005 UJ	0.0017 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	NA
trans-1,3-Dichloropropene	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA
Trichloroethene	mg/L	0.01 U	0.0033 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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Vinyl chloride	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA
Xylene (total)	mg/L	0.01 U	0.0033 U	0.001 UJ	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.001 U	0.001 U	0.001 UJ	NA

Appendix C
Summary of Historical Semi-Annual Groundawater 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
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
SVOCs																			
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	NA
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Acetophenone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
Anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Atrazine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Biphenyl	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Caprolactam	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA
Carbazole	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA
Chrysene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.00041 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Fluorene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	0.005 UJ	0.005 U	0.005 UJ	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R	0.005 U	NA
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
SVOCs																			

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

Sample ID: / Date Collected:	Units	DWD10 01/22/02	DWD10 11/12/02	DWD10 05/19/03	DWD10 12/11/03	DWD10 05/03/04	DWD10 10/26/04	DWD10 05/11/05	DWD10 11/02/05	DWD10 05/17/06	DWD10 11/13/06	DWD10 05/02/07	DWD10 11/07/07	DWD10 05/07/08	DWD10 11/06/08	DWD12 01/18/02	DWD12 11/12/02	DWD12 05/20/03	DWD12 10/31/03
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Isophorone	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Naphthalene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Phenol	mg/L	0.005 U	0.006	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
Pyrene	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA
CDD/F																			
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	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	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	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	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	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	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	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	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	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	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	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
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
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
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
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
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
Total Heptachlorodibenzofuran (HpCDF)	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)	mg/L	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
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
Total Pentachlorodibenzofuran (PeCDF)	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)	mg/L	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Sample ID: / Date Collected:	Units	DWD10 01/22/02	DWD10 11/12/02	DWD10 05/19/03	DWD10 12/11/03	DWD10 05/03/04	DWD10 10/26/04	DWD10 05/11/05	DWD10 11/02/05	DWD10 05/17/06	DWD10 11/13/06	DWD10 05/02/07	DWD10 11/07/07	DWD10 05/07/08	DWD10 11/06/08	DWD12 01/18/02	DWD12 11/12/02	DWD12 05/20/03	DWD12 10/31/03
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 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
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	NA
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	NA
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	NA
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	NA
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	NA
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
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
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
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	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
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
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
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
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
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
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
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
Cyanide (total)	mg/L	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	0.0016 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
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
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
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
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
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
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 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
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
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

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

Sample ID: / Date Collected:	Units	DWD10 01/22/02	DWD10 11/12/02	DWD10 05/19/03	DWD10 12/11/03	DWD10 05/03/04	DWD10 10/26/04	DWD10 05/11/05	DWD10 11/02/05	DWD10 05/17/06	DWD10 11/13/06	DWD10 05/02/07	DWD10 11/07/07	DWD10 05/07/08	DWD10 11/06/08	DWD12 01/18/02	DWD12 11/12/02	DWD12 05/20/03	DWD12 10/31/03
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
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
Barium (Dissolved)	mg/L	0.115	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.202	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	NA	NA	NA	NA	NA	NA	NA	NA	0.49	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
Dissolved Oxygen	mg/L	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
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	-84	147	-124	-169	-199	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
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
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
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35	65	60	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

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

Sample ID:		DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	DWD12	GWD8	GWD8	GWD8	GWD8	GWD8	GWD8
Date Collected:	Units	12/17/03	05/04/04	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
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 [0.001 U]	0.001 U	0.006 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 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
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 [0.001 U]	0.001 U	0.012 U	0.0031 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 UJ [0.001 UJ]	0.001 U	0.0064 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
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 [0.001 U]	0.001 U	0.0096 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.00048 J
1,2,4-Trichlorobenzene	mg/L	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	0.0068 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 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
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 [0.001 U]	0.001 U	0.0088 U	0.0031 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 [0.001 U]	0.001 U	0.0044 U	0.0031 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 [0.001 U]	0.001 U	0.0084 U	0.0031 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 [0.001 U]	0.001 U	0.0068 U	0.0031 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 [0.001 U]	0.001 U	0.006 U	0.0031 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 [0.001 U]	0.001 U	0.0068 U	0.0031 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	0.01 U	0.01 U [0.01 U]	0.01 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
2-Hexanone	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	0.018 U	0.031 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [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
Acetone	mg/L	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ [0.01 UJ]	0.01 U	0.01 U [0.01 U]	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
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 [0.001 U]	0.001 U	0.0064 U	0.0045	0.00056 J	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 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
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 [0.001 U]	0.001 U	0.0072 U	0.0031 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 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
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 [0.001 U]	0.001 U	0.008 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.00038 J
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 [0.001 U]	0.001 U	0.0048 U	0.0031 U	0.001 U	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	0.001 U [0.001 U]	0.001 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
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 [0.001 U]	0.001 U	0.01 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [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
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.00027 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
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [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
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 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
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 [0.001 UJ]	0.001 UJ	0.0052 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [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
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]	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
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 [0.001 U]	0.001 UJ	0.0048 U	0.0031 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 [0.001 U]	0.001 U	0.0048 U	0.0031 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 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
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 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
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 UJ	0.00037 J	0.0003 J	0.00019 J	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0052 U	0.016 U	0.005 U	0.005 U	0.005 U	0.005 U
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 [0.001 U]	0.001 U	0.014 U	0.0031 UJ	0.001 U	0.0022 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 [0.001 U]	0.001 U	0.006 U	0.0031 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	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]	0.001 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
Toluene	mg/L	0.001 U	0.00038 J	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	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
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]	0.001 U	0.011 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 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
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 [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
Trichloroethene	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.0056 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 UJ	0.011 U	0.0031 U	0.001 U	0.001 U	0.001 UJ	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U [0.001 U]	0.001 U	0.013 U	0.0031 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 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
Xylene (total)	mg/L	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U [0.002 U]	0.002 U [0.002 U]	0.002 UJ [0.002 UJ]	0.002 U	0.013 U	0.0031 UJ	0.001 U	0.001 U	0.001 U	0.002 U

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

Sample ID: / Date Collected:	Units	DWD12 12/17/03	DWD12 05/04/04	DWD12 10/27/04	DWD12 05/13/05	DWD12 11/04/05	DWD12 05/18/06	DWD12 11/10/06	DWD12 05/04/07	DWD12 11/09/07	DWD12 05/08/08	DWD12 11/06/08	GWD8 09/14/01	GWD8 01/10/02	GWD8 05/21/03	GWD8 12/12/03	GWD8 05/05/04	GWD8 10/26/04
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 [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
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0012 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0017 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.00085 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00085 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 [0.02 U]	0.02 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	0.005 U [0.005 U]	0.005 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
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00057 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ	0.00085 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00064 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 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
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0021 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 [0.02 U]	0.02 U	0.00093 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.00071 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	0.0013 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00088 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00099 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.00061 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00079 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0013 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	0.02 U	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	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
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0008 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00071 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.0026 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00068 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0025 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.0028 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0007 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00073 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00094 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00085 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00084 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 UJ	0.0026 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00087 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 [0.005 U]	0.005 U	0.00097 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 [0.005 U]	0.005 U	0.0027 U	0.005 U	0.0029 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	0.00054 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
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 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
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	0.00082 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00075 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00079 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00065 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00076 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	0.00088 J [0.00084 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	0.00067 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [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
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00081 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00074 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00073 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	R	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 UJ [0.005 UJ]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	R	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00074 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																		

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

Sample ID: / Date Collected:	Units	DWD12 12/17/03	DWD12 05/04/04	DWD12 10/27/04	DWD12 05/13/05	DWD12 11/04/05	DWD12 05/18/06	DWD12 11/10/06	DWD12 05/04/07	DWD12 11/09/07	DWD12 05/08/08	DWD12 11/06/08	GWD8 09/14/01	GWD8 01/10/02	GWD8 05/21/03	GWD8 12/12/03	GWD8 05/05/04	GWD8 10/26/04
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00063 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00063 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	0.0013 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00075 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00081 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00067 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0014 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0024 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00082 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0026 U	0.0052	0.0088	0.005 U	0.0092	0.018
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.0011 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																		
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	DWD12 12/17/03	DWD12 05/04/04	DWD12 10/27/04	DWD12 05/13/05	DWD12 11/04/05	DWD12 05/18/06	DWD12 11/10/06	DWD12 05/04/07	DWD12 11/09/07	DWD12 05/08/08	DWD12 11/06/08	GWD8 09/14/01	GWD8 01/10/02	GWD8 05/21/03	GWD8 12/12/03	GWD8 05/05/04	GWD8 10/26/04
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
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
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	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
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	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
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	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
Pests/PCBs																		
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000054 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.00011 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U [0.0004 U]	0.0004 U	0.000056 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000075 U	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	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
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	0.000082 U	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 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
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	0.000482 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	0.00011 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	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	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	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	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	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	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	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	0.000482 U	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	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]	0.025 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
Arsenic	mg/L	0.0413	0.0413	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
Barium	mg/L	0.523	0.49	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
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	0.00054 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	0.00028 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0068 J	0.0074 J	0.0027 J	0.0108	0.0026 J	0.016 [0.0033 J]	0.0019 J	0.01 U [0.01 U]	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
Cobalt	mg/L	0.02 U	0.0067 J	0.0045 J	0.02 U	0.02 U	0.02 U [0.02 U]	0.0064 J	0.02 U [0.02 U]	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
Copper	mg/L	0.0059 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	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
Cyanide (total)	mg/L	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	0.003 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
Manganese	mg/L	0.0562	0.0548	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
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	0.000069 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0038 J	0.0061 J	0.02 U	0.0096 J	0.02 U	0.0095 J [0.0024 J]	0.0024 J	0.02 U [0.02 U]	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
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	0.0045 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	0.0015 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
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	0.005 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]	0.0023 J	0.00082 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.023	0.02 U	0.02 U	0.02 U	0.02 U	0.0222 [0.0115 J]	0.02 U	0.02 U [0.02 U]	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

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

Sample ID: / Date Collected:	Units	DWD12 12/17/03	DWD12 05/04/04	DWD12 10/27/04	DWD12 05/13/05	DWD12 11/04/05	DWD12 05/18/06	DWD12 11/10/06	DWD12 05/04/07	DWD12 11/09/07	DWD12 05/08/08	DWD12 11/06/08	GWD8 09/14/01	GWD8 01/10/02	GWD8 05/21/03	GWD8 12/12/03	GWD8 05/05/04	GWD8 10/26/04
Inorganics-Filtered																		
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	0.0039 U	0.0044 J	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.252	0.358	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0023 J	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0024 J	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	NA
Lead (Dissolved)	mg/L	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0703	0.0641 J	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000072 J	0.0002 U	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.0064 J	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.001 U	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	0.012 U	0.0236	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	1.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	2.18	NA	NA	NA	NA	NA	NA	1,620	2.12	1.94	2.35	NA	NA	NA	1.427	NA	NA
Dissolved Oxygen	mg/L	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	0.15	0.38	0.33	0.04	1.03	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	-93	-95	-87	-115	-31	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	7.03	6.93	7.34	6.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.03
pH Field	s.u.	7.15	NA	NA	NA	NA	NA	7.14	7.04	6.72	7.52	7.76	NA	NA	NA	7.12	NA	NA
Temperature	Deg C	7.93	NA	NA	NA	NA	NA	13.92	15.25	12.58	13.49	15.69	NA	NA	NA	11.34	NA	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	50	NA	45	55	60	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	4.63	NA	NA	NA	NA	NA	4.62	2.31	4.4	NA	21.6	NA	NA	NA	4.26	NA	NA

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

Sample ID:		GWD8	GWD8	GWD8	GWD8R	GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	05/11/05	11/02/05	05/17/06	11/13/06	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	R	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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 UJ	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 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 UJ	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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.00027 J	0.001 U	0.001 U	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
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.0013 J	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
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.067 U	3.3 UJ	0.15 UJ	0.4 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	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
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.016	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 UJ	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 UJ	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
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	0.00072 J	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
Chloroform (Trichloromethane)	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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.00025 J	0.001 U	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
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	0.0033 U	R	0.0077 UJ	0.02 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 UJ	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.013 U	0.67 U	0.031 UJ	0.08 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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
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 UJ	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.0017 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 UJ	0.33 U	0.015 UJ	0.04 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 U	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 UJ	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0067 U	0.33 U	0.015 UJ	0.04 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0067 U	0.33 U	0.015 UJ	0.04 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

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

Sample ID:		GWD8	GWD8	GWD8	GWD8R	GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	05/11/05	11/02/05	05/17/06	11/13/06	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
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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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	0.0012 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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 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 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 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 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 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 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00071 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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 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 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 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 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 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 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 UJ	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 U	0.005 UJ	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																					

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

Sample ID:		GWD8	GWD8	GWD8	GWD8R	GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	**Units**	**05/11/05**	**11/02/05**	**05/17/06**	**11/13/06**	**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**
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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 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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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 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 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 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 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 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 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 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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
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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWD8	GWD8	GWD8	GWD8R	GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	05/11/05	11/02/05	05/17/06	11/13/06	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
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 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 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 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 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 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 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 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
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	0.0014 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	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
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	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	0.0091 J	0.007 J	0.0064	0.005 U	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
Barium	mg/L	0.522	0.541	0.526	0.355	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
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 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 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.00036 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U	0.0045 J	0.0041 J	0.0258	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
Cobalt	mg/L	0.0013 J	0.0013 J	0.0013 J	0.0037 J	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
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	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
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 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	0.0554	0.0516	0.0475	0.0936	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
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 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	0.02 U	0.0035 J	0.0034 J	0.0154 J	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
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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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	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 UJ	0.000065 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.0188 J	0.02 U	0.014 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0126 J	0.02 U	0.02 U	0.0065 J

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

Sample ID:		GWD8	GWD8	GWD8	GWD8R	GWD8R	GWD8R	GWD8R	GWD8R	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9	GWD9
Date Collected:	Units	05/11/05	11/02/05	05/17/06	11/13/06	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
Inorganics-Filtered																					
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0071 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	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	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	1.302	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.191	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	NA	1,303	1.295	1.329	1.38	NA	NA	NA	1.069	NA	NA	NA	NA	NA	NA	1,274	1.228
Dissolved Oxygen	mg/L	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	0.44	0.08	0.4	0.27	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.27	0.66
ORP, Field	millivolts	NA	NA	NA	-34	-135	-119	-123	-36	NA	NA	NA	NA	NA	NA	NA	NA	NA	-59	136	-100
pH Field	pH Units	6.93	7.17	6.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	7.21	7.17	7.08	NA	NA	NA
pH Field	s.u.	NA	NA	NA	7.19	7.58	7.16	7.34	7.29	NA	NA	NA	7.34	NA	NA	NA	NA	NA	7.26	6.67	7.28
Temperature	Deg C	NA	NA	NA	8.84	15.9	14.64	13.51	16.36	NA	NA	NA	3.41	NA	NA	NA	NA	NA	11.57	13.67	11.84
Temperature, Ambient	Deg F	NA	NA	NA	40	NA	35	60	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35
Turbidity (Field)	NTU	NA	NA	NA	11.2	4.12	4.5	NA	4.08	NA	NA	NA	3.99	NA	NA	NA	NA	NA	4.04	0.77	3.8

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

Sample ID: / Date Collected:	Units	GWD9 05/07/08	GWD9 11/06/08	GWD11 01/29/02	GWD11 11/12/02	GWD11 05/20/03	GWD11 12/17/03	GWD11 05/04/04	GWD11 10/27/04	GWD11 05/12/05	GWD11 11/04/05	GWD11 05/18/06	GWD11R 05/04/07	GWD11R 11/09/07	GWD11R 03/13/08	GWD11R 05/08/08	GWD11R 11/06/08	GWP3 09/12/01	GWP3 01/08/02	GWP3 05/20/03
VOCs																				
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 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	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
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	0.001 U [0.001 U]	0.01 U	0.005 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 UJ	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U [0.002 U]	0.02 U	0.01 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	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 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	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.002 J	NA	0.01 U	0.01 U [0.01 U]	0.1 U	0.05 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	0.1 U	0.05 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 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
Acetone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.0021 J	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.0013 J]	0.76 J	0.25 J	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.0016 J	0.005 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 UJ	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 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 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
Carbon disulfide	mg/L	0.00052 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00099 J	NA	0.001 U	0.00077 J [0.00043 J]	0.01 U	0.005 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	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 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	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 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	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.00028 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 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
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.005 U	0.0025 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 UJ [0.002 UJ]	0.02 U	0.01 U	0.002 U
Ethylbenzene	mg/L	0.001 U	0.001 UJ	R	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 UJ
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	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 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
Methyl cyclohexane	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.00024 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.05 U	0.025 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00064 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
Styrene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 U	R
Tetrachloroethene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 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	0.001 U [0.001 U]	0.01 U	0.005 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	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.005 U	0.0025 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ [0.001 UJ]	0.01 U	0.005 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 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
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00022 J	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ [0.001 UJ]	0.01 U	0.005 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	0.01 U	0.005 U	0.001 U
Xylene (total)	mg/L	0.002 UJ	0.002 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 UJ	0.002 U [0.002 U]	0.01 U	0.005 U	0.001 UJ

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

Sample ID:		GWD9	GWD9	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11	GWD11R	GWD11R	GWD11R	GWD11R	GWD11R	GWP3	GWP3	GWP3
Date Collected:	Units	05/07/08	11/06/08	01/29/02	11/12/02	05/20/03	12/17/03	05/04/04	10/27/04	05/12/05	11/04/05	05/18/06	05/04/07	11/09/07	03/13/08	05/08/08	11/06/08	09/12/01	01/08/02	05/20/03
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 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
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	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	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
2-Chloronaphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 UJ [0.005 UJ]	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	NA	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	NA	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	NA	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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	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	NA	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	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	NA	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	NA	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	NA	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 UJ [0.01 UJ]	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00053 J	0.005 U	0.005 U	0.005 U	0.005 U	0.0011 J	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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 UJ	0.01 U	0.01 U	0.0031 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 UJ [0.01 UJ]	0.041	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	NA	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	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	NA	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	R	R	R	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	R
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
SVOCs																				

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

Sample ID: / Date Collected:	Units	GWD9 05/07/08	GWD9 11/06/08	GWD11 01/29/02	GWD11 11/12/02	GWD11 05/20/03	GWD11 12/17/03	GWD11 05/04/04	GWD11 10/27/04	GWD11 05/12/05	GWD11 11/04/05	GWD11 05/18/06	GWD11R 05/04/07	GWD11R 11/09/07	GWD11R 03/13/08	GWD11R 05/08/08	GWD11R 11/06/08	GWP3 09/12/01	GWP3 01/08/02	GWP3 05/20/03
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
CDD/F																				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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
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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	GWD9 05/07/08	GWD9 11/06/08	GWD11 01/29/02	GWD11 11/12/02	GWD11 05/20/03	GWD11 12/17/03	GWD11 05/04/04	GWD11 10/27/04	GWD11 05/12/05	GWD11 11/04/05	GWD11 05/18/06	GWD11R 05/04/07	GWD11R 11/09/07	GWD11R 03/13/08	GWD11R 05/08/08	GWD11R 11/06/08	GWP3 09/12/01	GWP3 01/08/02	GWP3 05/20/03
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
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	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	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	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.00005 J	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	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	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
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00005 J	0.0004 U	0.0004 U	0.0004 U [0.0004 U]	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
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
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
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
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
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
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
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
Total PCBs (Dissolved)	mg/L	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	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
Arsenic	mg/L	0.0081	0.0075	0.0059 J	0.0031 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0019 J	0.0069	0.0074	NA	0.0209	0.0185 [0.0187]	0.0078 J	0.0084 J	0.0319
Barium	mg/L	0.166	0.162	0.102	0.336	0.036	0.0329	0.0412	0.0863	0.09	0.0382	0.0319	0.0974	0.0883	NA	0.123	0.117 [0.116]	0.115	0.117	0.0488
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	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	0.0003 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0033 J	0.01 U	0.0077 J	0.0034 J	0.0028 J	0.0043 J	0.01 U	0.01 U	0.01 U	0.0076 J	0.0037 J	0.0054 J	0.0217	NA	0.0062 J	0.01 U [0.0023 J]	0.01 U	0.0073 J	0.0087 J
Cobalt	mg/L	0.02 U	0.02 U	0.02 UJ	0.02 U	0.00076 J	0.0022 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0044 J	0.02 U [0.02 U]	0.02 U	0.02 U	0.0048 J
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0054 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	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	0.01 U	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	NA	0.003 U	0.003 U [0.003 U]	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.0265	0.0233	0.0726	0.255	0.0461	0.0298 U	0.0278	0.0788	0.137	0.0399	0.0138	0.0366	0.0351	NA	0.026	0.0257 [0.0258]	0.0497	0.051 J	0.0411
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	0.02 U	0.0067 J	0.0053 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0058 J	0.0026 J	0.0038 J	0.0278	NA	0.02 U	0.02 U [0.02 U]	0.02 U	0.0038 J	0.0063 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	NA	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	NA	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	NA	0.001 U	0.001 U [0.001 U]	0.01 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	NA	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0069 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

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

Sample ID: / Date Collected:	Units	GWD9 05/07/08	GWD9 11/06/08	GWD11 01/29/02	GWD11 11/12/02	GWD11 05/20/03	GWD11 12/17/03	GWD11 05/04/04	GWD11 10/27/04	GWD11 05/12/05	GWD11 11/04/05	GWD11 05/18/06	GWD11R 05/04/07	GWD11R 11/09/07	GWD11R 03/13/08	GWD11R 05/08/08	GWD11R 11/06/08	GWP3 09/12/01	GWP3 01/08/02	GWP3 05/20/03
Inorganics-Filtered																				
Antimony (Dissolved)	mg/L	NA	NA	0.0027 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.025 U	NA
Arsenic (Dissolved)	mg/L	NA	NA	0.0052 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0069 J	0.0089 J	NA
Barium (Dissolved)	mg/L	NA	NA	0.0989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.111	0.114	NA
Beryllium (Dissolved)	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	0.001 U	NA
Cadmium (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA
Chromium Total (Dissolved)	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA
Cobalt (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA
Copper (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA
Lead (Dissolved)	mg/L	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA
Manganese (Dissolved)	mg/L	NA	NA	0.0618	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0458	0.0477 J	NA
Mercury (Dissolved)	mg/L	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA
Nickel (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA
Selenium (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA
Silver (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA
Thallium (Dissolved)	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.001 U	NA
Vanadium (Dissolved)	mg/L	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA
Zinc (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.02 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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	0.487	0.539	NA	NA	NA	0.932	NA	NA	NA	NA	NA	135	0.629	0.811	0.731	0.799	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.07	0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	0	1.86	0.56	1.21	NA	NA	NA
ORP, Field	millivolts	-200	-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	-141	-165	-114	-134	-85	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	8.78	8.34	9.12	6.86	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.66	7.57	NA	NA	NA	9.34	NA	NA	NA	NA	NA	7.79	7.44	7.35	7.56	7.72	NA	NA	NA
Temperature	Deg C	13.8	13.91	NA	NA	NA	11.3	NA	NA	NA	NA	NA	14.97	12.43	11.4	14.11	17.17	NA	NA	NA
Temperature, Ambient	Deg F	65	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	NA	55	60	NA	NA	NA
Turbidity (Field)	NTU	NA	4.91	NA	NA	NA	4.08	NA	NA	NA	NA	NA	4.03	4.5	3.07	NA	4.91	NA	NA	NA

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

Sample ID:		GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6
Date Collected:	Units	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08	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
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	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.021 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.025 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.02 U	0.12 U	0.001 U	0.001 U	R	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 UJ	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
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.052 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
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	0.018 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
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	0.0092 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
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	0.017 U	0.12 U	0.001 U	0.001 U	R	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	0.014 U	0.12 U	0.001 U	0.001 U	R	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	0.012 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
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	0.014 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
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.034 U	1.2 U	0.01 U	0.01 U	R	0.01 U	0.01 UJ	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.038 U	1.2 U	0.01 U	0.01 U	R	0.01 UJ	0.01 UJ	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	R	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	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
Acetone	mg/L	0.01 U	0.01 U	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	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
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	0.013 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
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 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
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	0.015 U	0.12 U	0.001 U	0.001 U	R	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 U	0.001 U	0.001 U	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
Carbon disulfide	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.00045 J	0.001 U	0.001 U	0.001 U	0.00065 J	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
Carbon tetrachloride	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.01 U	0.12 U	0.001 U	0.001 U	R	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	0.012 U	0.12 U	0.001 U	0.001 U	R	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	0.022 U	0.12 U	0.001 U	0.001 U	R	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 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
Chloromethane (Methyl 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	0.011 U	0.12 U	0.001 U	0.001 U	R	0.001 UJ	0.001 U	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	0.018 U	0.062 U	0.0005 U	0.0005 U	R	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 U	0.001 U	0.001 U	0.001 U	0.001 U	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
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 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
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	0.022 U	0.12 U	0.001 U	0.001 U	R	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 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
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 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
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	0.01 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
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	0.034 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
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 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
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	0.011 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
Methylene chloride	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.028 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 UJ	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	0.012 U	0.12 U	R	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.019 U	0.12 U	0.001 U	0.001 U	R	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	0.015 U	0.12 U	0.001 U	0.001 U	R	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	0.022 U	0.12 U	0.001 U	0.001 U	R	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	0.012 U	0.062 U	0.0005 U	0.0005 U	R	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.022 U	0.12 U	0.001 U	0.001 U	R	0.001 UJ	0.001 U	0.001 U	0.001 U
Trichloroethene	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	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 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
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	0.027 U	0.12 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
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	0.012 U	0.12 U	0.001 U	0.001 U	R	0.001 U	0.001 U	0.001 U	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	0.027 U	0.12 U	0.001 UJ	0.001 U	R	0.002 U	0.002 U	0.002 U	0.002 U

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

Sample ID:		GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6
Date Collected:	Units	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08	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
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	0.00078 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
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	0.0012 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
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	0.0017 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
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	0.00085 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
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	0.00085 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
2,4-Dinitrophenol	mg/L	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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
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	0.00079 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
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	0.00057 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
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 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
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	0.001 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
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	0.00064 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
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	0.0011 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
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	0.0007 U	0.02 U	0.02 U	0.02 UJ	R	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	0.0021 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
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	0.00093 U	0.02 U	0.02 U	0.02 UJ	R	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.00071 U	0.02 U	0.02 U	0.02 UJ	R	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	0.0013 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
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	0.00088 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
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	0.00099 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
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	0.00061 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
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	0.00079 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
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	0.0013 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
4-Nitroaniline	mg/L	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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
4-Nitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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
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	0.0008 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
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	0.00071 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
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	0.0026 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
Anthracene	mg/L	0.005 U	0.00045 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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	0.0025 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
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	0.0028 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
Benzo(a)anthracene	mg/L	0.005 U	0.00055 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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	0.00073 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
Benzo(b)fluoranthene	mg/L	0.005 U	0.00069 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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	0.00085 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
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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 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
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	0.00087 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
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	0.00097 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
bis(2-Ethylhexyl)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	0.0027 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
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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
Caprolactam	mg/L	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	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
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	0.00082 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
Chrysene	mg/L	0.005 U	0.00096 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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	0.00079 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
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	0.0011 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
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	0.00065 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
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	0.00076 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
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.00082 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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	0.0011 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
Fluoranthene	mg/L	0.005 U	0.0028 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00026 J	0.00081 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.001 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
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	0.00074 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.00073 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
Hexachlorocyclopentadiene	mg/L	0.005 U	R	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.0011 U	0.005 U	R	0.005 UJ	R	0.005 U	0.005 U	0.005 U	0.005 UJ
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	0.00074 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																					

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

Sample ID: / Date Collected:	Units	GWP3 12/12/03	GWP3 05/05/04	GWP3 02/02/05	GWP3 05/12/05	GWP3 11/03/05	GWP3 05/19/06	GWP3 11/10/06	GWP3 05/03/07	GWP3 11/08/07	GWP3 05/09/08	GWP3 11/06/08	GWP6 09/18/01	GWP6 01/08/02	GWP6 05/20/03	GWP6 12/12/03	GWP6 05/06/04	GWP6 10/28/04	GWP6 05/12/05	GWP6 11/03/05	GWP6 05/18/06
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	0.00063 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.00063 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.0013 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
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	0.00075 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
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	0.00081 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.00067 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
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	0.0014 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.0024 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.0017 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00082 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.0026 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.0016 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
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	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	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	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	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	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	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	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	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	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	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	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
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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6
Date Collected:	Units	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08	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
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	NA	NA	NA
Aroclor-1221 (PCB-1221)	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)	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)	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)	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)	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)	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	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs-Filtered																					
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	0.0022 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
Arsenic	mg/L	0.0281	0.0295	NA	0.0363	0.0308	0.0287	0.03	0.0298	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
Barium	mg/L	0.129	0.119	NA	0.181	0.141	0.154	0.142	0.16	0.149	0.207	0.178	0.0599	0.0885	0.119	0.106	0.11	0.102	0.109	0.108	0.111
Beryllium	mg/L	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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
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	0.00031 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
Chromium (Total)	mg/L	0.0036 J	0.0035 J	NA	0.02	0.01 U	0.0053 J	0.0244	0.0052 J	0.0148	0.0239	0.0336	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
Cobalt	mg/L	0.0036 J	0.02 U	NA	0.0043 J	0.02 U	0.0015 J	0.0017 J	0.02 U	0.02 U	0.02 U	0.003 J	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
Copper	mg/L	0.005 U	0.005 U	NA	0.0199	0.005 U	0.005 U	0.0018 J	0.0021 J	0.005 U	0.0051	0.0047 J	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
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	0.0064	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
Manganese	mg/L	0.01 U	0.0233	0.0229 J	0.11	0.0202	0.0233	0.038	0.0276	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
Mercury	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	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
Nickel	mg/L	0.003 J	0.003 J	NA	0.0156 J	0.02 U	0.0038 J	0.0173 J	0.004 J	0.0088 J	0.0168 J	0.0239	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
Selenium	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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
Silver	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 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
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	NA	0.000052 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	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
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.0083 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0012 J	0.0011 J	0.0023 J	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
Zinc	mg/L	0.02 U	0.02 U	NA	0.0601	0.02 U	0.02 U	0.02 U	0.02 U	0.0073 J	0.0167 J	0.02 U	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

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

Sample ID:		GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP3	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6	GWP6
Date Collected:	Units	12/12/03	05/05/04	02/02/05	05/12/05	11/03/05	05/19/06	11/10/06	05/03/07	11/08/07	05/09/08	11/06/08	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
Inorganics-Filtered																					
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0039 U	0.01 U	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0646	0.0881	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0744	0.0679 J	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000069 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.02 U	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.001 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00082 U	0.01 U	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	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	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	0.638	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	0.605	NA	NA	NA	NA	0.643	NA	660	0.683	0.662	0.727	NA	NA	NA	0.459	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	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	0.07	0.3	0.27	0.17	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	NA	NA	NA	188	-13	159	-128	-146	-15	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	7.33	7.44	7.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.56	7.89	7.8	7.4
pH Field	s.u.	7.36	NA	NA	NA	NA	7.12	6.95	6.94	7.35	7.79	7.55	NA	NA	NA	8.03	NA	NA	NA	NA	NA
Temperature	Deg C	14.46	NA	NA	NA	NA	16.01	14.83	16.14	14.04	14.4	15.83	NA	NA	NA	8.81	NA	NA	NA	NA	NA
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	50	50	NA	35	60	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	4.82	NA	NA	NA	NA	4.7	8.11	3.95	25.1	NA	14.5	NA	NA	NA	4	NA	NA	NA	NA	NA

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

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	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	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
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	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
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	0.014 U	0.0014 U	0.001 U	0.001 U	R	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
1,1-Dichloroethane	mg/L	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	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
1,1-Dichloroethene	mg/L	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	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
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
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 U	0.029 U	0.0029 U	0.002 U	0.002 U	0.005 U	0.011 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA
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	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
1,2-Dichlorobenzene	mg/L	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	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
1,2-Dichloroethane	mg/L	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	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
1,2-Dichloropropane	mg/L	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	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
1,3-Dichlorobenzene	mg/L	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	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
1,4-Dichlorobenzene	mg/L	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	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
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.14 U	0.014 UJ	0.01 U	0.01 U	0.025 U	0.057 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA
2-Hexanone	mg/L	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	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
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 U	0.14 U	R	0.01 U	0.01 U	R	0.057 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.14 U	0.014 UJ	0.038	0.01 U	0.17	0.24 J	0.021 J	0.01 U	0.0019 J	0.00092 J	0.01 U	NA	0.01 U	NA
Benzene	mg/L	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	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
Bromodichloromethane	mg/L	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	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
Bromoform	mg/L	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	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
Bromomethane (Methyl Bromide)	mg/L	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	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
Carbon disulfide	mg/L	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	0.00025 J	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.00049 J	0.001 U	NA	0.001 U	NA
Carbon tetrachloride	mg/L	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	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
Chlorobenzene	mg/L	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	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
Chloroethane	mg/L	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	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
Chloroform (Trichloromethane)	mg/L	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	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
Chloromethane (Methyl Chloride)	mg/L	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	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
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0071 U	0.00072 U	0.0005 U	0.0005 U	0.0012 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
Cyclohexane	mg/L	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	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
Dibromochloromethane	mg/L	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	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
Dichlorodifluoromethane (CFC-12)	mg/L	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	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
Ethylbenzene	mg/L	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	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
Isopropylbenzene	mg/L	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	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
Methyl acetate	mg/L	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	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
Methyl cyclohexane	mg/L	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	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
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.071 U	0.0072 U	0.005 U	0.005 U	0.012 U	0.029 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Methylene chloride	mg/L	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	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
Styrene	mg/L	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	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
Tetrachloroethene	mg/L	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	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
Toluene	mg/L	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	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
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0071 U	0.00072 U	0.0005 U	0.0005 U	0.0012 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
trans-1,3-Dichloropropene	mg/L	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	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
Trichloroethene	mg/L	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	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
Trichlorofluoromethane (CFC-11)	mg/L	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	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
Trifluorotrichloroethane (Freon 113)	mg/L	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	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
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.014 UJ	0.0014 U	0.001 U	0.001 U	0.0025 U	0.0057 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.001 U	0.014 U	0.0014 U	0.001 U	0.001 U	0.0025 U	0.011 U	0.002 U	0.002 U	0.002 U	0.00099 J	0.002 U	NA	0.002 U	NA

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

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	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	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
SVOCs																					
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	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
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00046 J	0.00026 J	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
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	0.02 U	0.02 U	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	0.02 U	0.02 U	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
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	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
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.0021 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
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 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
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 U	0.01 U	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
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
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	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.0088	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0013 J	0.005 U	0.005 U	NA	0.005 U	NA
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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	0.039	0.012	0.0067 J	0.002 J	0.01 U	0.01 U	0.0013 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
SVOCs																					

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

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	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	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
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00048 J	0.00036 J	NA	0.005 U	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	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	0.007	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	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	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	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	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	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	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	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	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	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	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	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	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
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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		GWP6	GWP6	GWP6	GWP6	GWP6	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7	IWD7R	IWD7R	IWD7R	IWD7R	IWD7R
Date Collected:	Units	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	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
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	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	NA	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	NA	NA	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA
Total PCBs	mg/L	NA	NA	NA	NA	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	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	0.0002 U	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	0.0002 U	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	0.0004 U	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	0.0002 U	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	0.0002 U	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	0.0002 U	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	0.0002 U	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	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																					
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U	NA
Arsenic	mg/L	0.0105	0.0147	0.0158	0.0142	0.0149	0.0052 J	0.0044 J	0.0027 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0014 J	0.0057	0.0102	0.0086	0.0111	NA
Barium	mg/L	0.117	0.113	0.137	0.109	0.122	0.432	0.0677	0.413	0.39	0.379	0.305	0.355	0.353	0.418	0.404	0.291	0.373	NA	0.301	NA
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	0.001 U	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	0.00028 J	0.00057 J	0.005 U	0.005 U	0.00037 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
Chromium (Total)	mg/L	0.0189	0.0027 J	0.145	0.0295	0.0277	0.01 U	0.0068 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.0132	NA
Cobalt	mg/L	0.0064 J	0.0035 J	0.0029 J	0.02 U	0.02 U	0.0014 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	NA	0.02 U	NA
Copper	mg/L	0.005 U	0.005 U	0.0128	0.0065	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
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	0.003 U	0.0135	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	NA	0.003 U	NA
Manganese	mg/L	0.0483	0.0366	0.121	0.0524	0.0568	0.177	0.0631	0.142	0.0809	0.0947	0.0776	0.0867	0.0782	0.0861	0.0781	0.0661	0.0427	NA	0.0638	NA
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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Nickel	mg/L	0.0136 J	0.0018 J	0.0907	0.0236	0.0277	0.02 U	0.0057 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.0097 J	NA
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	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA
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	0.01 U	0.000044 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA
Vanadium	mg/L	0.01 U	0.01 U	0.0047 J	0.00085 J	0.01 U	0.01 U	0.0049 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA
Zinc	mg/L	0.02 U	0.02 U	0.0123 J	0.0127 J	0.02 U	0.02 U	0.592	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.021	0.0088 J	0.02 U	0.02 U	NA	0.0198 J	NA

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

Sample ID: / Date Collected:	Units	GWP6 11/14/06	GWP6 05/02/07	GWP6 11/07/07	GWP6 05/07/08	GWP6 11/05/08	IWD7 09/11/01	IWD7 01/09/02	IWD7 11/13/02	IWD7 05/21/03	IWD7 12/12/03	IWD7 05/05/04	IWD7 10/26/04	IWD7 05/11/05	IWD7 11/02/05	IWD7 05/17/06	IWD7R 11/13/06	IWD7R 05/04/07	IWD7R 10/22/07	IWD7R 11/08/07	IWD7R 05/08/08
Inorganics-Filtered																					
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0062 J	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.404	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.00028 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.159	0.0028 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	0.0025 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																					
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	0.471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.182	NA	1.092	NA	NA
Conductivity Field	umhos/cm	NA	510	0.487	0.474	0.519	NA	NA	NA	NA	1.418	NA	NA	NA	NA	NA	NA	1,138	NA	1.072	1.025
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	NA	NA
Dissolved Oxygen, Field	mg/L	0.37	0.99	0	0.5	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.18	0.29	NA	1.67	0.71
ORP, Field	millivolts	-102	-182	-158	-164	-113	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-104	-109	-192	-89	-128
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.58	7.15	7.21	6.79	NA	NA	NA	NA	NA
pH Field	s.u.	7.91	7.77	7.23	7.22	7.71	NA	NA	NA	NA	7.59	NA	NA	NA	NA	NA	7.09	7.18	8.11	7.09	7.41
Temperature	Deg C	8.25	15.8	10.17	14.7	17.95	NA	NA	NA	NA	8.77	NA	NA	NA	NA	NA	10.76	14.4	17.25	11.46	14.18
Temperature, Ambient	Deg F	45	NA	35	65	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	60	35	55
Turbidity (Field)	NTU	4.65	2.78	4.5	NA	2.45	NA	NA	NA	NA	3.93	NA	NA	NA	NA	NA	3.68	1.87	1.81	4.3	NA

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

Sample ID: / Date Collected:	Units	IWD7R 11/05/08	IWP5 09/20/01	IWP5 01/10/02	IWP5 11/14/02	IWP5 05/20/03	IWP5 12/15/03	IWP5 05/07/04	IWP5 10/29/04	IWP5 05/13/05	IWP5 11/04/05	IWP5 05/19/06	IWP5 11/15/06	IWP5 05/02/07	IWP5 11/08/07	IWP5 05/09/08	IWP5 11/05/08	MW-40-99 01/10/02	MW-40-99 11/12/02
VOCs																			
1,1,1-Trichloroethane	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
1,1-Dichloroethene	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 UJ	0.005 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	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	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	1 UJ	2.5 U	0.25 UJ	0.01 U	0.05 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ
2-Hexanone	mg/L	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Acetone	mg/L	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	0.0016 J	0.01 U	0.01 U	0.0022 J	0.01 U	0.01 U	0.01 UJ
Benzene	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	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	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Bromomethane (Methyl Bromide)	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U
Carbon disulfide	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0013
Carbon tetrachloride	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	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	0.001 UJ	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	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	0.001 uj	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	0.05 U	0.12 U	0.012 U	0.0005 U	0.0025 U	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ
Cyclohexane	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	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	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U
Ethylbenzene	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00033 J	0.001 U
Methyl Tert Butyl Ether	mg/L	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ
Styrene	mg/L	0.001 U	0.1 U	0.25 U	0.025 U	R	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Tetrachloroethene	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	R
Toluene	mg/L	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	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	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Trichloroethene	mg/L	0.001 U	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	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	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.1 U	0.25 U	0.025 U	0.001 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	0.1 U	0.25 U	0.025 U	0.001 UJ	0.005 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 UJ

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

Sample ID: / Date Collected:	Units	IWD7R 11/05/08	IWP5 09/20/01	IWP5 01/10/02	IWP5 11/14/02	IWP5 05/20/03	IWP5 12/15/03	IWP5 05/07/04	IWP5 10/29/04	IWP5 05/13/05	IWP5 11/04/05	IWP5 05/19/06	IWP5 11/15/06	IWP5 05/02/07	IWP5 11/08/07	IWP5 05/09/08	IWP5 11/05/08	MW-40-99 01/10/02	MW-40-99 11/12/02
SVOCs																			
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 UJ
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.08 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 UJ
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.08 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 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	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	R
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	R
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.08 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	R
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	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 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 UJ
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	R
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.08 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 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	R	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
bis(2-Ethylhexyl)phthalate	mg/L	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Caprolactam	mg/L	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0008 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	R	R	NA	R	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
SVOCs																			

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

Sample ID: / Date Collected:	Units	IWD7R 11/05/08	IWP5 09/20/01	IWP5 01/10/02	IWP5 11/14/02	IWP5 05/20/03	IWP5 12/15/03	IWP5 05/07/04	IWP5 10/29/04	IWP5 05/13/05	IWP5 11/04/05	IWP5 05/19/06	IWP5 11/15/06	IWP5 05/02/07	IWP5 11/08/07	IWP5 05/09/08	IWP5 11/05/08	MW-40-99 01/10/02	MW-40-99 11/12/02
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 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	0.005 U	0.005 U	0.02 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 UJ
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.02 U
CDD/F																			
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00000005 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	NA	NA	NA	NA	NA	NA	0.00000005 U
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	0.000000025 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	NA	NA	NA	NA	NA	NA	0.000000025 U
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	0.000000025 U
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	0.000000025 U
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	0.000000025 U
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	0.000000025 U
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	0.000000025 U
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	0.000000025 U
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	0.000000025 U
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	0.00000001 U
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	0.00000001 U
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	0.000000025 U
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	0.00000001 U
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	0.00000001 U
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	0.00000001 U
Total Heptachlorodibenzofuran (HpCDF)	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)	mg/L	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
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
Total Pentachlorodibenzofuran (PeCDF)	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)	mg/L	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
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
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	0.0000000399 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	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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Sample ID: / Date Collected:	Units	IWD7R 11/05/08	IWP5 09/20/01	IWP5 01/10/02	IWP5 11/14/02	IWP5 05/20/03	IWP5 12/15/03	IWP5 05/07/04	IWP5 10/29/04	IWP5 05/13/05	IWP5 11/04/05	IWP5 05/19/06	IWP5 11/15/06	IWP5 05/02/07	IWP5 11/08/07	IWP5 05/09/08	IWP5 11/05/08	MW-40-99 01/10/02	MW-40-99 11/12/02
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00046	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00096	0.0016 U
Total PCBs	mg/L	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00046	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
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	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	0.025 U
Arsenic	mg/L	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	0.01 U	0.0017 J	0.002 U	0.0011 J	0.0028	0.0029	0.0013 J	0.01 U	0.0035 J
Barium	mg/L	0.33	0.101	0.228	0.223	0.219	0.32	0.262	0.267	0.256	0.28	0.276	0.314 U	0.23	0.26	0.287	0.248	0.163	0.414
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	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00032 J
Chromium (Total)	mg/L	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	0.0183	0.0106	0.0169	0.0069 J	0.0227	0.01 U	0.0038 J
Cobalt	mg/L	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	0.02 U	0.02 U	0.0045 J	0.0034 J	0.0042 J	0.02 U	0.0066 J
Copper	mg/L	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0055
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0028 J	0.0091 J
Lead	mg/L	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	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.0018 J
Manganese	mg/L	0.0455	0.208	0.352 J	0.0823	0.0926	0.0577	0.039 U	0.111	0.0359	0.0326	0.0292	0.049 U	0.0335	0.0792	0.0259	0.0447	0.301 J	0.15
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	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	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	0.0138 J	0.0068 J	0.0162 J	0.01 J	0.0223	0.02 U	0.0111 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	0.005 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	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	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	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	0.0022 J	0.0034 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0043 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0012 J	0.01 U	0.01 U	0.01 U	0.0047 J
Zinc	mg/L	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	0.02 U	0.02 U	0.0106 J	0.0077 J	0.02 U	0.02 U	0.02 U

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

Sample ID: / Date Collected:	Units	IWD7R 11/05/08	IWP5 09/20/01	IWP5 01/10/02	IWP5 11/14/02	IWP5 05/20/03	IWP5 12/15/03	IWP5 05/07/04	IWP5 10/29/04	IWP5 05/13/05	IWP5 11/04/05	IWP5 05/19/06	IWP5 11/15/06	IWP5 05/02/07	IWP5 11/08/07	IWP5 05/09/08	IWP5 11/05/08	MW-40-99 01/10/02	MW-40-99 11/12/02
Inorganics-Filtered																			
Antimony (Dissolved)	mg/L	NA	0.025 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA
Arsenic (Dissolved)	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Barium (Dissolved)	mg/L	NA	0.0818	0.231	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.152	NA
Beryllium (Dissolved)	mg/L	NA	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA
Cadmium (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Chromium Total (Dissolved)	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0085 J	NA
Cobalt (Dissolved)	mg/L	NA	0.02 U	0.0021 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0013 J	NA
Copper (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Lead (Dissolved)	mg/L	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA
Manganese (Dissolved)	mg/L	NA	0.116	0.219 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.28 J	NA
Mercury (Dissolved)	mg/L	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA
Nickel (Dissolved)	mg/L	NA	0.0023 J	0.0232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0032 J	NA
Selenium (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Silver (Dissolved)	mg/L	NA	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Thallium (Dissolved)	mg/L	NA	0.0061 J	0.00068 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA
Vanadium (Dissolved)	mg/L	NA	0.01 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Zinc (Dissolved)	mg/L	NA	0.02 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0209	NA
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.784	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.18	NA	NA	NA	NA	0.732	NA	NA	NA	NA	NA	NA	769	0.824	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.94	0.9	1.24	NA	NA	NA	NA
ORP, Field	millivolts	-52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-34	-141	-66	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	7.18	7.34	7.04	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	7.66	NA	NA	NA	NA	7.21	NA	NA	NA	NA	NA	7.56	7.89	7.05	NA	NA	NA	NA
Temperature	Deg C	16.67	NA	NA	NA	NA	5.68	NA	NA	NA	NA	NA	11.07	19	9.97	NA	NA	NA	NA
Temperature, Ambient	Deg F	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	35	60	60	NA	NA
Turbidity (Field)	NTU	2.4	NA	NA	NA	NA	9.46	NA	NA	NA	NA	NA	19.3	3.16	45	NA	NA	NA	NA

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

Sample ID: / Date Collected:	Units	MW-40-99 05/19/03	MW-40-99 12/11/03	MW-40-99 05/03/04	MW-40-99 05/17/04	MW-40-99 10/26/04	MW-40-99 05/11/05	MW-40-99 11/02/05	MW-40-99 05/17/06	MW-40-99 08/15/06	MW-40-99 11/13/06	MW-40-99 05/02/07	MW-40-99 07/17/07	MW-40-99 11/07/07
VOCs														
1,1,1-Trichloroethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 UJ [0.001 UJ]	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
1,1,2-Trichloroethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,1-Dichloroethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,1-Dichloroethene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,2,4-Trichlorobenzene	mg/L	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	NA	0.001 U	0.001 UJ	NA	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	NA	0.002 U	0.002 UJ	NA	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,2-Dichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,2-Dichloroethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,2-Dichloropropane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,3-Dichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
1,4-Dichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	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	NA	0.00072 J	0.0017 J	NA	0.00093 J
2-Hexanone	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Acetone	mg/L	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	NA	0.0023 J	0.01 U	NA	0.01 U
Benzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Bromodichloromethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Bromoform	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Bromomethane (Methyl Bromide)	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Carbon disulfide	mg/L	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	NA	0.00032 J	0.001 U	NA	0.001 U
Carbon tetrachloride	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Chlorobenzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Chloroethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Chloroform (Trichloromethane)	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Chloromethane (Methyl Chloride)	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
cis-1,2-Dichloroethene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
Cyclohexane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Dibromochloromethane	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	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	NA	0.002 U	0.002 U	NA	0.002 U
Ethylbenzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Isopropylbenzene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Methyl acetate	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Methyl cyclohexane	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
Methyl Tert Butyl Ether	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Methylene chloride	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Styrene	mg/L	R [R]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
Tetrachloroethene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
Toluene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
trans-1,2-Dichloroethene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
Trichloroethene	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Vinyl chloride	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Xylene (total)	mg/L	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	NA	0.002 U	0.002 U	NA	0.002 U

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

Sample ID: / Date Collected:	Units	MW-40-99 05/19/03	MW-40-99 12/11/03	MW-40-99 05/03/04	MW-40-99 05/17/04	MW-40-99 10/26/04	MW-40-99 05/11/05	MW-40-99 11/02/05	MW-40-99 05/17/06	MW-40-99 08/15/06	MW-40-99 11/13/06	MW-40-99 05/02/07	MW-40-99 07/17/07	MW-40-99 11/07/07
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2,4,5-Trichlorophenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2,4,6-Trichlorophenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2,4-Dichlorophenol	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
2,4-Dimethylphenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2,4-Dinitrophenol	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
2,4-Dinitrotoluene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2,6-Dinitrotoluene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2-Chloronaphthalene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2-Chlorophenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2-Methylnaphthalene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2-Methylphenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
2-Nitroaniline	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
2-Nitrophenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
3,3'-Dichlorobenzidine	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
3-Nitroaniline	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
4-Bromophenyl phenyl ether	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
4-Chloro-3-methylphenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
4-Chloroaniline	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
4-Chlorophenyl phenyl ether	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
4-Methylphenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
4-Nitroaniline	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
4-Nitrophenol	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
Acenaphthene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Acenaphthylene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Acetophenone	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Anthracene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Atrazine	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Benzaldehyde	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Benzo(a)anthracene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Benzo(a)pyrene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Benzo(b)fluoranthene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Benzo(g,h,i)perylene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Benzo(k)fluoranthene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Biphenyl	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
bis(2-Chloroethoxy)methane	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
bis(2-Chloroethyl)ether	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Butyl benzylphthalate	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Caprolactam	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Carbazole	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Chrysene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Dibenz(a,h)anthracene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Dibenzofuran	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Diethyl phthalate	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Dimethyl phthalate	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Di-n-butylphthalate	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Di-n-octyl phthalate	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Fluoranthene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Fluorene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Hexachlorobenzene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Hexachlorobutadiene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 UJ [0.005 UJ]	0.005 U	R	NA	0.02 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U
Hexachloroethane	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
SVOCs														

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

Sample ID: / Date Collected:	Units	MW-40-99 05/19/03	MW-40-99 12/11/03	MW-40-99 05/03/04	MW-40-99 05/17/04	MW-40-99 10/26/04	MW-40-99 05/11/05	MW-40-99 11/02/05	MW-40-99 05/17/06	MW-40-99 08/15/06	MW-40-99 11/13/06	MW-40-99 05/02/07	MW-40-99 07/17/07	MW-40-99 11/07/07
Indeno(1,2,3-cd)pyrene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Isophorone	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U [0.005 U]	0.005 U	0.005 U	NA	0.02 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	0.005 U
Naphthalene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Nitrobenzene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
N-Nitrosodi-n-propylamine	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
N-Nitrosodiphenylamine	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Pentachlorophenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Phenanthrene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Phenol	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Pyrene	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000069 UJ [0.0000000059 UJ]	0.0000000059 U	0.0000000041 U	NA	0.0000000022 U	0.0000000033 U	0.000000012 U	0.000000015 U	0.0000000052 U	0.0000000039 U	0.00000002 U	NA	0.000000021 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000073 UJ [0.0000000067 UJ]	0.0000000056 U	0.0000000025 U	NA	0.0000000037 U	0.0000000081 U	0.000000011 U	0.000000033 U	0.0000000044 U	0.000000015 U	0.00000031	NA	0.000000019 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000005 UJ [0.0000000045 UJ]	0.0000000091 U	0.00000000096 U	NA	0.00000000054 U	0.0000000016 U	0.0000000049 U	0.000000021 U	0.0000000026 U	0.000000002 U	0.0000000098 U	NA	0.0000000056 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000047 UJ [0.0000000039 UJ]	0.000000004 U	0.0000000027 U	NA	0.00000000081 U	0.0000000016 U	0.000000011 U	0.000000026 J	0.0000000036 U	0.0000000028 U	0.000000016 U	NA	0.000000012 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000042 UJ [0.0000000033 UJ]	0.000000011 U	0.0000000012 U	NA	0.00000000058 U	0.0000000011 U	0.0000000062 U	0.0000000049 U	0.0000000032 U	0.0000000022 U	0.000000011 U	NA	0.0000000066 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000048 UJ [0.0000000045 UJ]	0.000000003 U	0.0000000011 U	NA	0.0000000013 U	0.0000000021 U	0.0000000059 U	0.0000000083 U	0.0000000041 U	0.0000000022 U	0.0000000064 U	NA	0.0000000062 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000043 UJ [0.0000000043 UJ]	0.0000000036 U	0.0000000017 U	NA	0.0000000013 U	0.0000000019 U	0.000000009 U	0.0000000079 U	0.0000000042 U	0.0000000027 U	0.000000012 U	NA	0.000000012 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000047 UJ [0.0000000044 UJ]	0.0000000029 U	0.00000000096 U	NA	0.00000000054 U	0.000000002 U	0.0000000052 U	0.0000000065 U	0.0000000039 U	0.000000002 U	0.000000006 U	NA	0.000000006 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000045 UJ [0.0000000045 UJ]	0.0000000039 U	0.0000000014 U	NA	0.000000001 U	0.0000000017 U	0.0000000069 U	0.0000000072 U	0.0000000038 U	0.0000000026 U	0.000000012 U	NA	0.000000012 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000054 UJ [0.000000005 UJ]	0.0000000036 U	0.0000000012 U	NA	0.0000000007 U	0.0000000024 U	0.000000008 U	0.0000000073 U	0.0000000046 U	0.0000000025 U	0.0000000071 U	NA	0.0000000064 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	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	0.0000000038 U	0.0000000025 U	0.000000011 U	NA	0.0000000096 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	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	0.0000000028 U	0.0000000016 U	0.0000000092 U	NA	0.0000000068 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000046 UJ [0.0000000036 UJ]	0.0000000055 U	0.000000003 U	NA	0.0000000021 U	0.0000000021 U	0.0000000094 U	0.000000013 U	0.0000000047 U	0.0000000042 U	0.000000014 U	NA	0.000000011 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000049 UJ [0.0000000046 UJ]	0.0000000033 U	0.0000000011 U	NA	0.00000000063 U	0.0000000022 U	0.0000000066 U	0.0000000071 U	0.0000000042 U	0.0000000023 U	0.000000007 U	NA	0.0000000064 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	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	0.0000000027 U	0.0000000016 U	0.0000000093 U	NA	0.000000007 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	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	0.0000000034 U	0.0000000014 U	0.0000000052 U	NA	0.0000000046 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000026 UJ [0.0000000021 UJ]	0.0000000031 U	0.0000000007 U	NA	0.00000000073 U	0.00000000085 U	0.0000000048 U	0.0000000065 U	0.0000000018 U	0.0000000017 U	0.0000000077 U	NA	0.0000000064 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	0.00000000058 U	0.0000000016 U	0.0000000062 U	0.000000021 U	0.0000000032 U	0.0000000022 U	0.000000011 U	NA	0.0000000066 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	0.00000000081 U	0.0000000016 U	0.000000011 U	0.000000026	0.0000000036 U	0.0000000028 U	0.00000002 U	NA	0.000000012 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	0.0000000013 U	0.0000000024 U	0.000000008 U	0.0000000083 U	0.0000000046 U	0.0000000025 U	0.0000000071 U	NA	0.0000000064 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	0.0000000014 U	0.0000000019 U	0.000000009 U	0.0000000079 U	0.0000000042 U	0.0000000027 U	0.000000012 U	NA	0.000000012 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	0.0000000018 U	0.0000000014 U	0.0000000058 U	0.0000000078 U	0.0000000031 U	0.0000000016 U	0.0000000093 U	NA	0.000000007 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	0.0000000021 U	0.0000000021 U	0.0000000094 U	0.000000013 U	0.0000000047 U	0.000000014 U	0.000000014 U	NA	0.000000011 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	0.0000000027 U	0.0000000011 U	0.0000000036 U	0.0000000054 U	0.0000000034 U	0.0000000014 U	0.0000000052 U	NA	0.0000000046 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	0.00000000073 U	0.00000000085 U	0.0000000048 U	0.0000000065 U	0.0000000018 U	0.0000000017 U	0.0000000077 U	NA	0.0000000064 U
2,3,7,8-TCDD Equivalent	mg/L	0.0000000102 U [0.00000000898 U]	0.0000000105 U	0.00000000386 U	NA	0.00000000334 U	0.00000000418 U	0.0000000182 U	0.0000000118	0.00000000894 U	0.00000000659 U	0.0000000137	NA	0.0000000223 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	0.0000000072 U	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	0.0000000072 U	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000008 U	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	0.0000000049 U	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000039 U	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000002 U	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	0.0000000037 U	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000046 U	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	0.0000000034 U	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000055 U	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	0.0000000033 U	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000084 U	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000056 U	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000005 U	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000031 U	NA	NA	NA	NA

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

Sample ID: / Date Collected:	Units	MW-40-99 05/19/03	MW-40-99 12/11/03	MW-40-99 05/03/04	MW-40-99 05/17/04	MW-40-99 10/26/04	MW-40-99 05/11/05	MW-40-99 11/02/05	MW-40-99 05/17/06	MW-40-99 08/15/06	MW-40-99 11/13/06	MW-40-99 05/02/07	MW-40-99 07/17/07	MW-40-99 11/07/07
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000043 U	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000022 U	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000008 U	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000049 U	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.00000002 U	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000037 U	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000084 U	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000056 U	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000043 U	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000022 U	NA	NA	NA	NA
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	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	NA	0.0004 U	0.0004 U	NA	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U [0.0016 U]	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	NA	0.0016 U
Total PCBs	mg/L	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	NA	0.0004 U
Pests/PCBs-Filtered														
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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 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	NA	0.025 U	0.025 U	NA	0.025 U
Arsenic	mg/L	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	NA	0.0014 J	0.0013 J	NA	0.0037
Barium	mg/L	0.182 J [0.182 J]	0.122	0.0981	0.0956	0.145	0.126	0.134	0.12	NA	0.137	0.12	NA	0.168
Beryllium	mg/L	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	0.001 U
Cadmium	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Chromium (Total)	mg/L	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	NA	0.01 U	0.01 U	NA	0.01 U
Cobalt	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
Copper	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Cyanide (total)	mg/L	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	NA	0.0087 J	0.01 U	NA	0.01 U
Lead	mg/L	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	NA	0.003 U	0.003 U	NA	0.003 U
Manganese	mg/L	1.24 J [1.19 J]	0.727	0.651	0.589	0.255	0.351	0.221	0.311	NA	0.24	0.287	NA	0.21
Mercury	mg/L	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	NA	0.0002 U	0.0002 U	NA	0.0002 U
Nickel	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U
Selenium	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Silver	mg/L	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	NA	0.005 U	0.005 U	NA	0.005 U
Sodium	mg/L	NA	NA	NA	NA	135	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	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	NA	0.001 U	0.001 U	NA	0.001 U
Vanadium	mg/L	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	0.01 U
Zinc	mg/L	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	NA	0.02 U	0.02 U	NA	0.02 U

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

Sample ID: / Date Collected:	Units	MW-40-99 05/19/03	MW-40-99 12/11/03	MW-40-99 05/03/04	MW-40-99 05/17/04	MW-40-99 10/26/04	MW-40-99 05/11/05	MW-40-99 11/02/05	MW-40-99 05/17/06	MW-40-99 08/15/06	MW-40-99 11/13/06	MW-40-99 05/02/07	MW-40-99 07/17/07	MW-40-99 11/07/07
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	NA	NA	NA	0.025 U	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
Barium (Dissolved)	mg/L	NA	NA	NA	0.0886	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
Cadmium (Dissolved)	mg/L	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	0.02 U	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
Lead (Dissolved)	mg/L	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	0.579	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
Nickel (Dissolved)	mg/L	NA	NA	NA	0.02 U	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
Silver (Dissolved)	mg/L	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	0.00025 J	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
Zinc (Dissolved)	mg/L	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	1.043	NA	NA	NA
Conductivity Field	umhos/cm	NA	1.45	NA	1.21	NA	NA	NA	1.227	1.097	NA	1.237	NA	1.437
Dissolved Oxygen	mg/L	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	0.4	0.12	0.3	0.17	NA	0.2
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	-39	-53	189	113	NA	-119
pH Field	pH Units	NA	NA	NA	NA	6.92	7.08	7.02	6.49	NA	NA	NA	NA	NA
pH Field	s.u.	NA	6.92	NA	7.3	NA	NA	NA	6.99	6.75	6.96	6.4	7.42	6.83
Temperature	Deg C	NA	9.62	NA	17.1	NA	NA	NA	13.94	18.95	11.2	11.25	NA	13.73
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	NA	60	65	40	NA	NA	35
Turbidity (Field)	NTU	NA	3.65	NA	4.3	NA	NA	NA	4.73	8.2	4.92	3.5	NA	2

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

Sample ID: / Date Collected:	Units	MW-40-99 05/07/08	MW-40-99 11/06/08	MW-40-99 12/15/09	MW-40-99 11/03/10	MW-40-99 09/25/11	MWD6 09/11/01	MWD6 01/09/02	MWD6 11/13/02	MWD6 05/21/03	MWD6 12/12/03	MWD6 05/05/04	MWD6 05/17/04	MWD6 10/26/04	MWD6 05/11/05	MWD6 11/02/05	MWD6 05/17/06	MWD6R 11/13/06	MWD6R 11/16/06	MWD6R 01/10/07
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	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	R	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	NA	0.00024 J	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,2,4-Trichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 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	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.0012 J	0.0011 J	0.0018 J	0.025 U	0.68 J	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.0011 J	0.01 U	0.01 U	0.01 U	NA	NA
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 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	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.05 U	0.05 U	0.01 U	0.01 U	R	0.01 U	0.01 U	R	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Acetone	mg/L	0.01 U	0.01 U	0.0028 J	0.025 J	.063 J	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	NA	0.01 UJ	0.0056 J	0.01 U	0.01 U	0.01 U	NA	NA
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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	R	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	NA	NA
Carbon disulfide	mg/L	0.001 U	0.001 U	0.00049 J	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00053 J	0.001 U	0.001 U	NA	0.001 U	0.0018	0.001 U	0.001 U	0.001 U	NA	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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 U	0.0024	0.00073	0.0005 U	NA	0.001 U	0.0076	0.001 U	0.001 U	0.001 U	NA	NA
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Cyclohexane	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.0002 J	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	NA	NA
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 UJ	0.00017 UJ	0.001 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
Ethylbenzene	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Isopropylbenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Methyl cyclohexane	mg/L	0.001 U	0.001 UJ	0.00061 J	0.001 U	0.00029 J	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	NA	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Methylene chloride	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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	0.0026	0.00041 J	0.001 U	NA	0.001 U	0.0032	0.001 U	0.001 U	0.001 U	NA	NA
Toluene	mg/L	0.00018 J	0.001 U	0.001 U	0.001 U	0.001 U	0.00025 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	0.001 U	0.001 U	NA	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
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 U	0.0005 U	0.0005 U	0.0005 U	NA	0.001 U	0.0008 J	0.001 U	0.001 U	0.001 U	NA	NA
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014	0.00032 J	0.001 U	NA	0.001 U	0.0021	0.001 U	0.001 U	0.001 U	NA	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.0006 J	0.001 U	0.001 U	0.001 U	NA	NA
Xylene (total)	mg/L	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA

Appendix C
Summary of Historical Semi-Annual Groundawater 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	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6	MWD6R	MWD6R	MWD6R
Date Collected:	Units	05/07/08	11/06/08	12/15/09	11/03/10	09/25/11	09/11/01	01/09/02	11/13/02	05/21/03	12/12/03	05/05/04	05/17/04	10/26/04	05/11/05	11/02/05	05/17/06	11/13/06	11/16/06	01/10/07
SVOCs																				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2,4,5-Trichlorophenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2,4,6-Trichlorophenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2,4-Dichlorophenol	mg/L	0.025 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
2,4-Dimethylphenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2,4-Dinitrophenol	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
2,4-Dinitrotoluene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2,6-Dinitrotoluene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2-Chloronaphthalene	mg/L	0.012 U	0.005 UJ	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2-Chlorophenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2-Methylnaphthalene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2-Methylphenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2-Nitroaniline	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
2-Nitrophenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
3,3'-Dichlorobenzidine	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	R	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
3-Nitroaniline	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
4-Bromophenyl phenyl ether	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
4-Chloro-3-methylphenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
4-Chloroaniline	mg/L	0.025 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
4-Chlorophenyl phenyl ether	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
4-Methylphenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
4-Nitroaniline	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
4-Nitrophenol	mg/L	0.05 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
Acenaphthene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Acenaphthylene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Acetophenone	mg/L	0.025 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Anthracene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Atrazine	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Benzaldehyde	mg/L	0.025 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Benzo(a)anthracene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Benzo(a)pyrene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Benzo(b)fluoranthene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Benzo(g,h,i)perylene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Benzo(k)fluoranthene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Biphenyl	mg/L	0.025 U	0.01 UJ	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
bis(2-Chloroethoxy)methane	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
bis(2-Chloroethyl)ether	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Butyl benzylphthalate	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Caprolactam	mg/L	0.025 U	0.01 UJ	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Carbazole	mg/L	0.025 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Chrysene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Dibenz(a,h)anthracene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Dibenzofuran	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Diethyl phthalate	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Dimethyl phthalate	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Di-n-butylphthalate	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Di-n-octyl phthalate	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Fluoranthene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Fluorene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Hexachlorobenzene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Hexachlorobutadiene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Hexachlorocyclopentadiene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	R	0.005 U	0.005 UJ	R	NA	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	NA	NA
Hexachloroethane	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
SVOCs																				

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

Sample ID: / Date Collected:	Units	MW-40-99 05/07/08	MW-40-99 11/06/08	MW-40-99 12/15/09	MW-40-99 11/03/10	MW-40-99 09/25/11	MWD6 09/11/01	MWD6 01/09/02	MWD6 11/13/02	MWD6 05/21/03	MWD6 12/12/03	MWD6 05/05/04	MWD6 05/17/04	MWD6 10/26/04	MWD6 05/11/05	MWD6 11/02/05	MWD6 05/17/06	MWD6R 11/13/06	MWD6R 11/16/06	MWD6R 01/10/07
Indeno(1,2,3-cd)pyrene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Isophorone	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Methylphenol (Cresol)	mg/L	0.012 U	0.005 U	NA	NA	NA	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	NA	NA
Naphthalene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Nitrobenzene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
N-Nitrosodi-n-propylamine	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
N-Nitrosodiphenylamine	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Pentachlorophenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Phenanthrene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Phenol	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Pyrene	mg/L	0.012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
CDD/F																				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000026 U	0.000000005 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)	mg/L	0.000000017 U	0.0000000044 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)	mg/L	0.000000002 U	0.0000000021 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)	mg/L	0.0000000024 U	0.0000000036 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)	mg/L	0.0000000014 U	0.0000000025 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)	mg/L	0.00000000094 U	0.0000000029 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)	mg/L	0.0000000016 U	0.0000000038 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)	mg/L	0.00000000089 U	0.0000000025 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)	mg/L	0.0000000016 U	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)	mg/L	0.000000001 U	0.0000000029 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)	mg/L	0.0000000014 U	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-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000013 U	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-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000024 U	0.0000000053 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)	mg/L	0.00000000096 U	0.0000000028 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)	mg/L	0.0000000013 U	0.0000000034 U	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	0.00000000091 U	0.0000000023 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)	mg/L	0.0000000013 U	0.0000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000002 U	0.0000000025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000024 U	0.0000000036 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000094 U	0.0000000029 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000016 U	0.0000000038 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000013 U	0.0000000034 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000024 U	0.0000000053 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.00000000091 U	0.0000000023 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000013 U	0.0000000034 U	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	0.00000000422 U	0.0000000104 U	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	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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MW-40-99 05/07/08	MW-40-99 11/06/08	MW-40-99 12/15/09	MW-40-99 11/03/10	MW-40-99 09/25/11	MWD6 09/11/01	MWD6 01/09/02	MWD6 11/13/02	MWD6 05/21/03	MWD6 12/12/03	MWD6 05/05/04	MWD6 05/17/04	MWD6 10/26/04	MWD6 05/11/05	MWD6 11/02/05	MWD6 05/17/06	MWD6R 11/13/06	MWD6R 11/16/06	MWD6R 01/10/07
CDD/F-Filtered																				
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	NA	NA	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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	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	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	NA	NA	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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	NA	NA	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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	NA	NA	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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	NA	NA	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	0.0002 U	0.0002 U	NA	0.0002 U	NA
Total PCBs-Realm/Encore	mg/L	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	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	NA
Total PCBs	mg/L	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	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	0.0002 U	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	0.0002 U	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	0.0004 U	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	0.0002 U	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	0.0002 U	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	0.0002 U	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	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																				
Antimony	mg/L	0.025 U	0.025 U	NA	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	0.025 U	0.025 U	0.025 U	0.025 U	NA	NA
Arsenic	mg/L	0.003	0.0014 J	NA	NA	NA	0.0054 J	0.01 U	0.0029 J	0.01 U	0.0044 J	0.0032 J	0.0034 J	0.01 U	0.0043 J	0.0047 J	0.0025	0.0028 U	NA	NA
Barium	mg/L	0.303	0.153	NA	NA	NA	0.532	0.166	0.22	1.09	0.0661	2.03	1.52	0.0562	0.495	0.058	0.0663	0.145	NA	NA
Beryllium	mg/L	0.001 U	0.001 U	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	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Cadmium	mg/L	0.005 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00038 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Chromium (Total)	mg/L	0.01 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.0011 J	0.01 U	0.01 U	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Cobalt	mg/L	0.0032 J	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.00087 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA
Copper	mg/L	0.005 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.0023 J	0.004 J	0.005 U	0.0027 J	0.0034 J	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Cyanide (total)	mg/L	0.0077	0.0084 J	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	NA	NA	NA	0.003 U	0.003 U	0.0019 J	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	NA	NA
Manganese	mg/L	0.112	0.435	NA	NA	NA	0.393	0.131	0.191	0.617	0.0551	1.08	0.918	0.0592	0.492	0.0809	0.0918	0.126	NA	NA
Mercury	mg/L	0.0002 U	0.0002 U	NA	NA	NA	0.0002 U	0.00011 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	NA
Nickel	mg/L	0.0035 J	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.0049 J	0.02 U	0.02 U	0.02 U	0.02 U	0.0045 J	0.0027 J	0.0016 J	0.02 U	NA	NA
Selenium	mg/L	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Silver	mg/L	0.005 U	0.005 U	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	0.005 U	0.005 U	0.005 U	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	NA
Thallium	mg/L	0.001 U	0.001 U	NA	NA	NA	0.01 U	0.001 U	0.001 U	0.001 U	0.000039 J	0.001 U	0.000041 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
Vanadium	mg/L	0.002 J	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.00097 J	0.01 U	0.01 U	0.0009 J	0.01 U	0.01 U	0.01 U	0.01 U	NA	NA
Zinc	mg/L	0.02 U	0.02 U	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	0.0158 J	0.02 U	0.0091 J	0.02 U	NA	NA

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

Sample ID: / Date Collected:	Units	MW-40-99 05/07/08	MW-40-99 11/06/08	MW-40-99 12/15/09	MW-40-99 11/03/10	MW-40-99 09/25/11	MWD6 09/11/01	MWD6 01/09/02	MWD6 11/13/02	MWD6 05/21/03	MWD6 12/12/03	MWD6 05/05/04	MWD6 05/17/04	MWD6 10/26/04	MWD6 05/11/05	MWD6 11/02/05	MWD6 05/17/06	MWD6R 11/13/06	MWD6R 11/16/06	MWD6R 01/10/07
Inorganics-Filtered																				
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.025 U	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0053 J	0.01 U	NA	NA	NA	NA	0.0043 J	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.52	0.157	NA	NA	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.001 U	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.00035 J	NA	NA	NA	NA	0.0005 J	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.383	0.125	NA	NA	NA	NA	0.9	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	0.001 U	NA	NA	NA	NA	0.00041 J	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	0.02 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	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	7.9 J
Field Parameters																				
Conductivity Field	mS/cm	NA	NA	NA	1.19	1.974	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.78	1.78	NA
Conductivity Field	umhos/cm	2.71	1.34	1.7	NA	NA	NA	NA	NA	NA	1.7	NA	29.8	NA	NA	NA	0.64	NA	NA	1.53
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.09	0.07	0.34	0.38	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13	0.18	0.29	0.34
ORP, Field	millivolts	-202	-287	-267	-84.6	-81.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-97	-104	222	-159
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.06	7.41	8.22	7.63	NA	NA	NA
pH Field	s.u.	7.34	6.81	6.87	6.87	7.19	NA	NA	NA	NA	7.78	NA	7.54	NA	NA	NA	7.63	8.42	8.1	7.85
Temperature	Deg C	14.91	16.05	9.45	14.46	18.10	NA	NA	NA	NA	7.97	NA	16.2	NA	NA	NA	14.28	11.13	9.3	6.93
Temperature, Ambient	Deg F	65	60	25	45	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60	40	40	30
Turbidity (Field)	NTU	NA	4.71	4.62	9.98	2.91	NA	NA	NA	NA	4.78	NA	2.9	NA	NA	NA	4.51	23.8	4.88	5.87

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

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06
VOCs																				
1,1,1-Trichloroethane	mg/L	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	NA	0.0057	0.0026	0.0078	0.0045	0.0071
1,1,2,2-Tetrachloroethane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	NA	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.0003 U [0.0003 U]	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	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	NA	0.0013	0.00044 J	0.0011	0.00069 J	0.0024
1,1-Dichloroethene	mg/L	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	NA	0.0013 U	0.001 U	0.00073 J	0.00067 J	0.00078 J
1,2,4-Trichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	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	NA	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
2-Hexanone	mg/L	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	NA	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U
Benzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Bromodichloromethane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	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	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Chlorobenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.00022 J	0.00017 J
cis-1,2-Dichloroethene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	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	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Methyl cyclohexane	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	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	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ
Styrene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	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	NA	0.00038 J	0.00028 J	0.00047 J	0.00065 J	0.00041 J
Toluene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	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	NA	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	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	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	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	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U

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

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06
SVOCs																				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	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	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.001 J	0.005 U
Butyl benzylphthalate	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	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	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.00093 J	0.005 U
Di-n-octyl phthalate	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.00074 U [0.00074 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	NA	0.005 U	NA	0.005 UJ	NA	0.005 U	0.005 U	0.0011 U [0.0011 U]	0.005 U	0.005 U	0.005 UJ	R	R	NA	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U
Hexachloroethane	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.00074 U [0.00074 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																				

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

Sample ID: / Date Collected:	Units	MWD6R 03/22/07	MWD6R 05/04/07	MWD6R 10/05/07	MWD6R 11/08/07	MWD6R 11/12/07	MWD6R 05/08/08	MWD6R 11/05/08	MWF1 08/23/01	MWF1 01/07/02	MWF1 11/13/02	MWF1 05/19/03	MWF1 12/17/03	MWF1 05/05/04	MWF1 05/20/04	MWF1 10/27/04	MWF1 05/11/05	MWF1 11/03/05	MWF1 05/18/06	MWF1 11/14/06
Indeno(1,2,3-cd)pyrene	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.00063 U [0.00063 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.00063 U [0.00063 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	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 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	NA	0.00025 J	NA	0.0004 J	NA	0.005 U	0.005 U	0.00075 U [0.00075 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.0014 U [0.0014 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.0024 U [0.0024 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.00082 U [0.00082 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	NA	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.0026 U [0.0026 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	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	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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
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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06
CDD/F-Filtered																				
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	mg/L	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	mg/L	NA	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	mg/L	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	mg/L	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	mg/L	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	mg/L	NA	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	0.0016 U	NA	0.0016 U	NA	0.0016 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	mg/L	NA	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs-Filtered																				
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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
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
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
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
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
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
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
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																				
Antimony	mg/L	NA	0.025 U	NA	0.025 U	NA	0.025 U	0.025 U	0.0022 U [0.0022 U]	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	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	0.01 U	0.01 U	0.0038 J	0.01 U	0.0012 J	0.0035
Barium	mg/L	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	0.197	0.209	0.247	0.237	0.178	0.188
Beryllium	mg/L	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	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	NA	0.005 U	NA	0.005 U	0.005 U	0.00039 J [0.00028 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0013 J	0.005 U
Chromium (Total)	mg/L	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	0.01 U	0.01 U	0.01 U	0.01 U	0.0029 J	0.01 U
Cobalt	mg/L	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	0.02 U	0.02 U	0.02 U	0.02 U	0.0026 J	0.02 U
Copper	mg/L	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	0.005 U	0.005 U	0.005 U	0.005 U	0.0022 J	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	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	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	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	0.273	0.251	0.262	0.259	0.172	0.181
Mercury	mg/L	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	NA	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.0036 J [0.0028 J]	0.0026 J	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0032 J	0.02 U
Selenium	mg/L	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	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	NA	0.005 U	NA	0.005 U	0.005 U	0.0015 U [0.0015 U]	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.003 J	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	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.000031 J
Vanadium	mg/L	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	NA	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.012 U [0.012 U]	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.0152 J	0.02 U	0.02 U	0.0114 J	0.02 U

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

Sample ID:		MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWD6R	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1	MWF1
Date Collected:	Units	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	05/20/04	10/27/04	05/11/05	11/03/05	05/18/06	11/14/06
Inorganics-Filtered																				
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0022 U [0.0022 U]	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0039 U [0.0039 U]	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.151 [0.148]	0.144	NA	NA	NA	NA	0.19	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.00054 U [0.00054 U]	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.00028 U [0.00044 J]	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0014 U [0.0014 U]	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0013 U [0.0013 U]	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0042 U [0.0042 U]	0.0049 J	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0025 U [0.0025 U]	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.272 [0.266]	0.218	NA	NA	NA	NA	0.246	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000069 U [0.000069 U]	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.003 J [0.0022 J]	0.0024 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0045 U [0.0045 U]	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0015 U [0.0015 U]	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0066 J [0.0079 J]	0.000066 J	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.00082 U [0.00082 U]	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.012 U [0.012 U]	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA
Miscellaneous																				
pH (water)	none	NA	NA	NA	NA	8.6 J [8.7 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	8.4 J	NA	8.6 J [8.6 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																				
Conductivity Field	mS/cm	1.575	NA	NA	NA	0.897	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5
Conductivity Field	umhos/cm	NA	992	0.859	0.896	NA	0.985	1.343	NA	NA	NA	NA	1.91	NA	2.17	NA	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.13	0.28	0.07	0.29	0.18	0.14	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21
ORP, Field	millivolts	-201	-243	-132	-230	-172	-249	-136	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.89	6.85	6.81	6.8	NA
pH Field	s.u.	8.36	8.36	8.06	8.33	8.46	8.62	8.28	NA	NA	NA	NA	6.91	NA	6.3	NA	NA	NA	NA	6.14
Temperature	Deg C	10.05	13.2	22.47	15.83	15.65	12.28	18.51	NA	NA	NA	NA	13.85	NA	20.4	NA	NA	NA	NA	13.7
Temperature, Ambient	Deg F	55	NA	85	35	45	55	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45
Turbidity (Field)	NTU	8.36	3.1	2.43	1.5	1.3	NA	1.85	NA	NA	NA	NA	3.79	NA	4.9	NA	NA	NA	NA	4.9

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

Sample ID: / Date Collected:	Units	MWF1 05/03/07	MWF1 11/07/07	MWF1 05/08/08	MWF1 12/15/09	MWF1R 11/04/10	MWF1R 09/22/11	MWF7-01 10/11/01	MWF7-01 01/09/02	MWF7-01 08/11/03	MWF7-01 12/16/03	MWF7-01 11/01/04	MWF7-01 05/12/05	MWF7-01 11/03/05	MWF7-01 05/18/06	MWF7-01 11/10/06	MWF7-01 05/02/07	MWF7-01 11/07/07	MWF7-01 05/07/08
VOCs																			
1,1,1-Trichloroethane	mg/L	0.0084	0.0072	0.0012	0.00087 J [0.00076 J]	0.001 U	0.00053 J	0.01	0.0063	NA	0.0082	0.014	0.016	0.023	0.028	0.023	0.034	0.0075	0.014
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	0.00025 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
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	0.0003 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
1,1-Dichloroethane	mg/L	0.0022	0.0017	0.00055 J	0.0007 J [0.0007 J]	0.001 J	0.00095 J	0.006	0.0071	NA	0.0092	0.0082	0.0047	0.017	0.013	0.0083	0.016	0.0019	0.0048
1,1-Dichloroethene	mg/L	0.00059 J	0.00089 J	0.00029 J	0.00028 J [0.0002 J]	0.001 U	0.00022 J	0.0012	0.0011	0.0018	0.0037	0.0038 U	0.0018	0.0068	0.0083	0.003	0.007	0.00093 J	0.0017
1,2,4-Trichlorobenzene	mg/L	0.001 UJ	0.001 U	0.001 U	0.00041 J [0.001 U]	0.005 U	0.005 U	0.00017 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 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]	0.001 U	0.001 U	0.00062 U	0.002 U	NA	0.002 UJ	0.002 UJ	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U
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	0.00022 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
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	0.00011 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
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	0.00021 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
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	0.00017 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
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	0.00015 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
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	0.00017 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
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.025 U	0.025 U	0.00041 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	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.05 U	0.05 U	0.00046 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	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]	0.05 U	0.05 U	0.00023 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	0.01 U
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.025 U	0.025 U	0.00051 U	0.01 U	NA	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.001 J	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.00016 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
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.00017 U	0.001 U	NA	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
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.00018 U	0.001 U	NA	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
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.0002 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
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.005 U	0.005 U	0.00047 J	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
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	0.00012 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
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.00014 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
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.00026 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
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.00029 J	0.001 U	NA	0.001 U	0.00018 J	0.001 U	0.001 U	0.001 U	0.001 U	0.00039 J	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.00049 J	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.00028 J	0.001 U	NA	0.001 U	0.00015 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00031 J	0.001 U
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	0.00023 J	0.00043 J	NA	0.0016	0.0011	0.00058 J	0.0024	0.0028	0.0012	0.0025	0.00036 J	0.00067 J
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.00012 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
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.00013 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
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U	0.001 U	0.00026 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
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	0.002 UJ [0.002 UJ]	0.001 U	0.001 U	0.00026 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	0.002 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	0.00012 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
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.005 U	0.005 U	0.00012 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
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	0.00041 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
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	0.00015 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
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	0.00013 U	0.005 U	NA	0.005 U	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]	0.005 U	0.005 U	0.00034 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
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.00015 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
Tetrachloroethene	mg/L	0.00073 J	0.00059 J	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	0.0028	0.0057	0.0023	0.0055	0.00095 J	0.0016
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.0002 J	0.00021 J	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	NA	NA	0.00027 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
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	0.00015 U	0.0005 U	NA	0.0005 U	0.001 U	0.001 U	0.00023 J	0.00027 J	0.001 U	0.0002 J	0.001 U	0.001 U
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	0.00027 U	0.001 U	NA	R	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.00014 U	0.001 U	NA	0.001 U	0.0004 J	0.00033 J	0.00049 J	0.00055 J	0.00044 J	0.00043 J	0.00034 J	0.00032 J
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.00028 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
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	0.00032 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
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	0.00015 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
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 UJ	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	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ

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

Sample ID: / Date Collected:	Units	MWF1 05/03/07	MWF1 11/07/07	MWF1 05/08/08	MWF1 12/15/09	MWF1R 11/04/10	MWF1R 09/22/11	MWF7-01 10/11/01	MWF7-01 01/09/02	MWF7-01 08/11/03	MWF7-01 12/16/03	MWF7-01 11/01/04	MWF7-01 05/12/05	MWF7-01 11/03/05	MWF7-01 05/18/06	MWF7-01 11/10/06	MWF7-01 05/02/07	MWF7-01 11/07/07	MWF7-01 05/07/08
SVOCs																			
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00078 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0012 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0017 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.00085 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00085 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.003 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00079 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00057 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00085 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.001 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00064 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0011 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.0007 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0021 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.00093 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.00071 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00088 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00099 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.00061 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00079 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0013 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	NA	NA	NA	0.0019 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0008 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00071 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.0026 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00068 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0025 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.0028 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0007 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00073 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00094 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00085 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00084 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.0026 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00087 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00097 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0027 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00088 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.0041 J	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.00082 U	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00075 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00079 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0011 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00065 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00076 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00067 U	0.005 U	NA	NA	NA	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	NA	NA	NA	0.0011 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00081 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.001 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00074 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00073 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0011 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00074 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																			

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

Sample ID: / Date Collected:	Units	MWF1 05/03/07	MWF1 11/07/07	MWF1 05/08/08	MWF1 12/15/09	MWF1R 11/04/10	MWF1R 09/22/11	MWF7-01 10/11/01	MWF7-01 01/09/02	MWF7-01 08/11/03	MWF7-01 12/16/03	MWF7-01 11/01/04	MWF7-01 05/12/05	MWF7-01 11/03/05	MWF7-01 05/18/06	MWF7-01 11/10/06	MWF7-01 05/02/07	MWF7-01 11/07/07	MWF7-01 05/07/08
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00063 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00063 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0013 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00075 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00081 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00067 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0014 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0024 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00082 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0026 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0011 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																			
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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
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
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
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
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
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
Total Heptachlorodibenzofuran (HpCDF)	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)	mg/L	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
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
Total Pentachlorodibenzofuran (PeCDF)	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)	mg/L	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Sample ID: / Date Collected:	Units	MWF1 05/03/07	MWF1 11/07/07	MWF1 05/08/08	MWF1 12/15/09	MWF1R 11/04/10	MWF1R 09/22/11	MWF7-01 10/11/01	MWF7-01 01/09/02	MWF7-01 08/11/03	MWF7-01 12/16/03	MWF7-01 11/01/04	MWF7-01 05/12/05	MWF7-01 11/03/05	MWF7-01 05/18/06	MWF7-01 11/10/06	MWF7-01 05/02/07	MWF7-01 11/07/07	MWF7-01 05/07/08
CDD/F-Filtered																			
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.000054 U	0.0002 U	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.00011 U	0.0002 U	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.000056 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	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	NA	NA	NA	NA	NA	NA	0.000075 U	0.0002 U	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.000061 U	0.0002 U	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.000082 U	0.0002 U	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.000044 U	0.0002 U	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	0.000482 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	0.0016 U
Total PCBs	mg/L	NA	NA	NA	NA	NA	NA	0.00011 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	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	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	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	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	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	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	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	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	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	NA	NA
Inorganics																			
Antimony	mg/L	0.025 U	0.003 J	0.025 U	NA	NA	NA	0.0022 U	0.025 U	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	0.002	0.0012 J	0.0927	NA	NA	NA	0.03	0.0236	NA	NA	NA	0.01 U	0.01 U	0.00093 J	0.002 U	0.00054 J	0.002 U	0.0013 J
Barium	mg/L	0.198	0.212	0.431	NA	NA	NA	0.0473	0.0572	NA	NA	NA	0.0567	0.0539	0.0594	0.0533	0.032	0.0586	0.0901
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	NA	NA	NA	0.00054 U	0.001 U	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	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00068 J	0.005 U
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U	NA	NA	NA	0.0029 J	0.01 U	NA	NA	NA	0.0134	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	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	0.0107 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0179	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.0052	NA	NA	NA	0.003	0.003 U	NA	NA	NA	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.221	0.199	0.348	NA	NA	NA	0.0541	0.234	NA	NA	NA	0.315	0.272	0.415	0.311	0.187	0.376	0.421
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	NA	NA	NA	0.00017 J	0.0002 U	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0021 J	0.02 U	0.02 U	NA	NA	NA	0.0049 J	0.0041 J	NA	NA	NA	0.0135 J	0.02 U	0.0023 J	0.002 J	0.02 U	0.02 U	0.02 U
Selenium	mg/L	0.005 U	0.005 U	0.0063	NA	NA	NA	0.0045 U	0.005 U	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	0.005 U	0.005 U	0.005 U	NA	NA	NA	0.0015 U	0.005 U	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	0.000048 J	0.001 U	0.001 U	NA	NA	NA	0.005 U	0.000025 J	NA	NA	NA	0.001 U	0.001 U	0.000046 J	0.001 U	0.00003 J	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.0069 J	NA	NA	NA	0.0171	0.0078 J	NA	NA	NA	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	0.0202	NA	NA	NA	0.169	0.0124 J	NA	NA	NA	0.0304	0.02 U	0.0155 J	0.02 U	0.02 U	0.02 U	0.02 U

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

Sample ID: / Date Collected:	Units	MWF1 05/03/07	MWF1 11/07/07	MWF1 05/08/08	MWF1 12/15/09	MWF1R 11/04/10	MWF1R 09/22/11	MWF7-01 10/11/01	MWF7-01 01/09/02	MWF7-01 08/11/03	MWF7-01 12/16/03	MWF7-01 11/01/04	MWF7-01 05/12/05	MWF7-01 11/03/05	MWF7-01 05/18/06	MWF7-01 11/10/06	MWF7-01 05/02/07	MWF7-01 11/07/07	MWF7-01 05/07/08
Inorganics-Filtered																			
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.003 J	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0416	0.0124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0386	0.0646	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.00028 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0013 U	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0154	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0324	0.269	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.000069 U	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0036 J	0.0027 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.005 U	0.000025 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0247	0.003 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0158 J	0.0208	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	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	NA	NA	NA	4.011	3.803	NA	NA	NA	NA	NA	NA	NA	NA	1.189	NA	NA	NA
Conductivity Field	umhos/cm	2,660	2.87	2.99	4.49 [4.49]	NA	NA	NA	NA	1.59	1.62	NA	NA	NA	NA	NA	1,231	1.34	1.81
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.35	0.45	0.42	0.51 [0.51]	0.35	0.16	NA	NA	NA	NA	NA	NA	NA	NA	0.48	0.59	0.44	0.34
ORP, Field	millivolts	162	132	-17	-54 [-54]	-20.6	-54.4	NA	NA	NA	NA	NA	NA	NA	NA	222	136	149	-44
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.99	7.16	6.9	6.71	NA	NA	NA	NA
pH Field	s.u.	6.82	7.17	7.06	6.73 [6.73]	6.82	6.83	NA	NA	8.72	7.01	NA	NA	NA	NA	7.24	6.96	6.66	7.18
Temperature	Deg C	14.89	14.77	13.35	10.03 [10.03]	14.52	17.56	NA	NA	22.96	20.17	NA	NA	NA	NA	19.2	19.73	21.16	18.31
Temperature, Ambient	Deg F	NA	35	55	25 [25]	45	72	NA	NA	NA	NA	NA	NA	NA	NA	50	NA	35	65
Turbidity (Field)	NTU	4.37	2.2	NA	1.2 [1.2]	1.8	0.61	NA	NA	1.88	0.81	NA	NA	NA	NA	1.4	0.5	2.9	NA

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

Sample ID: / Date Collected:	Units	MWF7-01 11/04/08	MWF7-01 12/15/09	MWF7-01 11/04/10	MWF12-01 09/05/01	MWF12-01 01/04/02	MWF12-01 11/13/02	MWF12-01 05/19/03	MWF12-01 12/16/03	MWF12-01 05/04/04	MWF12-01 05/20/04	MWF12-01 10/27/04	MWF12-01 04/01/05	MWF12-01 05/11/05	MWF12-01 11/03/05	MWF12-01 05/18/06	MWF12-01 11/10/06	MWF12-01 05/02/07
VOCs																		
1,1,1-Trichloroethane	mg/L	0.036	0.023	0.001	0.03	0.035	0.073	0.06 J	0.037	0.058	NA	0.081	0.049	0.049	0.079	0.035	0.013	0.022
1,1,2,2-Tetrachloroethane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.012	0.0065	0.001	0.0045	0.0054	0.025	0.017 J	0.0066	0.0059	NA	0.008	0.0043	0.0053	0.0059	0.01	0.0008 J	0.0042
1,1-Dichloroethene	mg/L	0.0056	0.0027	0.001	0.0035	0.0028	0.0058	0.0034 J	0.0028	0.0048	NA	0.01	0.0014 J	0.0048	0.006	0.0057	0.00037 J	0.0014
1,2,4-Trichlorobenzene	mg/L	0.0017 U	0.001 U	<0.005	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.0033 U	0.002 U	<0.001	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	0.004 U	0.002 U	0.002 U	0.002 U	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.017 U	0.01 U	<0.025	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	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Hexanone	mg/L	0.017 U	0.01 U	<0.05	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	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.017 U	0.01 U	<0.05	0.01 U	0.02 U	R	R	0.014 U	0.02 U	NA	0.025 U	0.017 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	mg/L	0.017 U	0.01 U	0.025 J	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	0.02 U	0.01 U	0.01 UJ	0.01 U	0.01 U
Benzene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.0017 U	0.001 U	<0.001	0.001 U	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.0017 U	0.001 U	<0.001	0.001 U	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.0017 U	0.001 UJ	<0.001	0.001 UJ	0.002 UJ	0.0025 UJ	R	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 UJ	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.0017 U	0.001 U	<0.005	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.00034 J	0.00027 J	0.001 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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.0017 U	0.0007 J	<0.001	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	0.002 U	0.001 U	0.00019 J	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0026	0.0013	0.001 J	0.0005 U	0.001 U	0.0016	0.0013 J	0.00074	0.001 U	NA	0.00067 J	0.0017 U	0.00047 J	0.0003 J	0.00057 J	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.0033 UJ	0.002 UJ	<0.001	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	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U
Ethylbenzene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.0017 U	0.001 U	<0.005	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.017 U	0.01 U	<0.01	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	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.0084 U	0.005 U	<0.005	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	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.0017 UJ	0.001 U	<0.005	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	0.002 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.0017 U	0.001 U	<0.001	0.001 U	0.002 U	0.0025 U	R	0.0014 U	0.002 U	NA	0.0025 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.0055 J	0.0033	0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.0017 U	0.001 U	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.0017 U	0.001 U	<0.001	0.001 U	0.002 U	0.0025 U	0.002 UJ	R	0.002 U	NA	0.0025 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.00051 J	0.00032 J	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.0017 U	0.001 UJ	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.0017 U	0.001 U	<0.001	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	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.0033 U	0.002 U	<0.002	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	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U

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

Sample ID: / Date Collected:	Units	MWF7-01 11/04/08	MWF7-01 12/15/09	MWF7-01 11/04/10	MWF12-01 09/05/01	MWF12-01 01/04/02	MWF12-01 11/13/02	MWF12-01 05/19/03	MWF12-01 12/16/03	MWF12-01 05/04/04	MWF12-01 05/20/04	MWF12-01 10/27/04	MWF12-01 04/01/05	MWF12-01 05/11/05	MWF12-01 11/03/05	MWF12-01 05/18/06	MWF12-01 11/10/06	MWF12-01 05/02/07
SVOCs																		
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	NA	NA	NA	R	0.01 U	0.01 UJ	R	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U
Acenaphthene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.0037 J	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
Caprolactam	mg/L	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	R	R	NA	0.005 U	NA	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																		

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

Sample ID: / Date Collected:	Units	MWF7-01 11/04/08	MWF7-01 12/15/09	MWF7-01 11/04/10	MWF12-01 09/05/01	MWF12-01 01/04/02	MWF12-01 11/13/02	MWF12-01 05/19/03	MWF12-01 12/16/03	MWF12-01 05/04/04	MWF12-01 05/20/04	MWF12-01 10/27/04	MWF12-01 04/01/05	MWF12-01 05/11/05	MWF12-01 11/03/05	MWF12-01 05/18/06	MWF12-01 11/10/06	MWF12-01 05/02/07
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F																		
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWF7-01 11/04/08	MWF7-01 12/15/09	MWF7-01 11/04/10	MWF12-01 09/05/01	MWF12-01 01/04/02	MWF12-01 11/13/02	MWF12-01 05/19/03	MWF12-01 12/16/03	MWF12-01 05/04/04	MWF12-01 05/20/04	MWF12-01 10/27/04	MWF12-01 04/01/05	MWF12-01 05/11/05	MWF12-01 11/03/05	MWF12-01 05/18/06	MWF12-01 11/10/06	MWF12-01 05/02/07
CDD/F-Filtered																		
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	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
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	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
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	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
Pests/PCBs																		
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	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	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	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	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	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	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	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	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	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	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	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	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	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	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	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Pests/PCBs-Filtered																		
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	0.0016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	0.0004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																		
Antimony	mg/L	0.025 U	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	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.00067 J	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	0.01 U	0.01 U	0.002 U	0.002 U	0.002 U
Barium	mg/L	0.127	NA	NA	NA	0.0353	0.0406	0.0246 J	0.0325	0.0365	0.0424	0.0542	NA	0.067	0.0831	0.063	0.0972	0.0997
Beryllium	mg/L	0.001 U	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.01 U	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	0.02 U	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	0.0014 J	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.002 J
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	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	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	0.573	NA	NA	NA	1.11 J	1.23	1.05 J	1.07	1.55	1.26	1.18	NA	1.64	1.25	1.52	1.22	1.11
Mercury	mg/L	0.0002 U	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	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.02 U	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	0.0027 J	0.0015 J	0.0033 J	0.0017 J	0.0036 J
Selenium	mg/L	0.005 U	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.005 U	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	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
Thallium	mg/L	0.001 U	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	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	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	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	mg/L	0.0062 J	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	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

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

Sample ID: / Date Collected:	Units	MWF7-01 11/04/08	MWF7-01 12/15/09	MWF7-01 11/04/10	MWF12-01 09/05/01	MWF12-01 01/04/02	MWF12-01 11/13/02	MWF12-01 05/19/03	MWF12-01 12/16/03	MWF12-01 05/04/04	MWF12-01 05/20/04	MWF12-01 10/27/04	MWF12-01 04/01/05	MWF12-01 05/11/05	MWF12-01 11/03/05	MWF12-01 05/18/06	MWF12-01 11/10/06	MWF12-01 05/02/07
Inorganics-Filtered																		
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	0.037	NA	NA	NA	NA	0.046	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	1.2 J	NA	NA	NA	NA	1.13	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	0.0034 J	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	0.000029 J	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	0.0306 U	NA	NA	NA	NA	NA	NA	NA
Miscellaneous																		
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	1.668	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.23	NA
Conductivity Field	umhos/cm	2.72	2	NA	NA	NA	NA	NA	1.206	NA	1.49	NA	NA	NA	NA	NA	NA	3,350
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.25	0.44	0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	0.36
ORP, Field	millivolts	-53	-50	19.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216	132
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA	7.04	6.7	6.7	NA	NA
pH Field	s.u.	6.9	6.77	6.91	NA	NA	NA	NA	6.96	NA	6.4	NA	NA	NA	NA	NA	7.16	6.88
Temperature	Deg C	21.52	16.94	18.68	NA	NA	NA	NA	13.77	NA	16.1	NA	NA	NA	NA	NA	14.8	14.09
Temperature, Ambient	Deg F	60	25	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NA
Turbidity (Field)	NTU	1.03	1.88	0.51	NA	NA	NA	NA	1.44	NA	4.1	NA	NA	NA	NA	NA	1.6	0.18

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

Sample ID: / Date Collected:	Units	MWF12-01 11/07/07	MWF12-01 05/07/08	MWF12-01 11/04/08	MWF12-01 12/15/09	MWF12-01 11/04/10	MWF12-01 09/22/11	MWF12-02 09/05/01	MWF12-02 01/04/02	MWF12-02 11/13/02	MWF12-02 05/19/03	MWF12-02 12/16/03	MWF12-02 05/04/04	MWF12-02 05/20/04	MWF12-02 10/27/04	MWF12-02 05/11/05
VOCs																
1,1,1-Trichloroethane	mg/L	0.061	0.022	0.048	0.062	0.001	0.015	0.0002 J [0.001 U]	0.0013 [0.033]	0.002 [0.0017]	0.00077 J	0.00025 J	0.00026 J	NA	0.00022 J	0.00037 J
1,1,2,2-Tetrachloroethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.009	0.0028	0.0075	0.006	0.001	0.0024	0.00055 J [0.00046 J]	0.0026 [0.0046]	0.0018 [0.0016]	0.00084 J	0.00098 J	0.0032	NA	0.0033	0.0021
1,1-Dichloroethene	mg/L	0.0062	0.00099 J	0.003	0.0035	0.001 J	0.001 U	0.001 U [0.001 U]	0.001 U [0.0023]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.005 U	0.005 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.004 U	0.002 U	0.0033 U	0.004 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	0.002 U	NA	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.02 U	0.01 U	0.017 U	0.02 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	0.01 U	NA	0.01 U	0.01 U
2-Hexanone	mg/L	0.02 U	0.01 U	0.017 U	0.02 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	0.01 U	NA	0.01 UJ	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.02 U	0.01 U	0.017 U	0.02 U	0.05 U	0.05 U	0.01 UJ [0.01 U]	0.01 UJ [0.02 U]	R [R]	R	0.01 U	0.01 U	NA	0.01 U	0.01 U
Acetone	mg/L	0.02 U	0.01 U	0.065	0.02 U	0.025 J	0.025 J	0.00078 J [0.00063 J]	0.01 U [0.02 UJ]	0.01 UJ [0.01 UJ]	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Benzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromodichloromethane	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	R	0.001 U	NA	0.001 U	0.001 U
Bromoform	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	R	0.001 U	NA	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 UJ	0.001 U	0.001 U	0.001 UJ [0.001 U]	0.001 UJ [0.002 UJ]	0.001 UJ [0.001 UJ]	R	0.001 U	0.001 U	NA	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.005 U	0.005 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Carbon tetrachloride	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chlorobenzene	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloroethane	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 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	0.001 U	NA	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.002 U	0.001 U	0.0017 U	0.00084 J	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.00061 J	0.001 U	0.00055 J	0.00059 J	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	0.0005 U	NA	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.002 U	0.001 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Cyclohexane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 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	0.001 U	NA	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.004 U	0.002 U	0.0033 UJ	0.004 UJ	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	0.002 U	NA	0.002 U	0.002 U
Ethylbenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.005 U	0.005 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Methyl acetate	mg/L	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 [0.02 U]	0.01 U [0.01 U]	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U
Methyl cyclohexane	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	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 [0.01 U]	0.005 U [0.005 U]	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U
Methylene chloride	mg/L	0.002 U	0.001 U	0.0017 UJ	0.002 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	0.001 U	NA	0.001 U	0.001 U
Styrene	mg/L	0.002 U	0.001 UJ	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	R	0.001 U	0.001 U	NA	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.002 U	0.001 UJ	0.0017 UJ	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Toluene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 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	0.001 U	NA	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	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	0.001 U	NA	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.0005 U [0.0005 U]	0.0005 U [0.001 U]	0.0005 U [0.0005 U]	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	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 [0.002 U]	0.001 U [0.001 U]	0.001 UJ	R	R	NA	0.001 UJ	0.001 U
Trichloroethene	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 UJ	NA	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.002 U	0.001 U	0.0017 U	0.002 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U
Vinyl chloride	mg/L	0.002 U	0.001 U	0.0017 U	0.002 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	0.001 U	NA	0.001 U	0.001 U
Xylene (total)	mg/L	0.004 U	0.002 UJ	0.0033 U	0.004 U	0.002 U	0.002 U	0.00053 J [0.001 U]	0.001 U [0.002 U]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.002 U	0.002 U

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

Sample ID: / Date Collected:	Units	MWF12-01 11/07/07	MWF12-01 05/07/08	MWF12-01 11/04/08	MWF12-01 12/15/09	MWF12-01 11/04/10	MWF12-01 09/22/11	MWF12-02 09/05/01	MWF12-02 01/04/02	MWF12-02 11/13/02	MWF12-02 05/19/03	MWF12-02 12/16/03	MWF12-02 05/04/04	MWF12-02 05/20/04	MWF12-02 10/27/04	MWF12-02 05/11/05
SVOCs																
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 UJ	0.01 U	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	0.01 U	NA	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 U	NA	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 U	NA	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 U	NA	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 U	NA	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 U	NA	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	0.01 UJ	0.01 U	NA	NA	NA	0.01 U [0.01 U]	R [R]	0.01 U [0.01 U]	0.01 UJ	R	0.01 U	NA	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
4-Methylphenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 U	NA	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	0.02 UJ	0.02 U	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	0.02 UJ	NA	0.02 U	0.02 U
Acenaphthene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	0.01 UJ	0.01 U	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	0.01 U	NA	0.01 U	0.01 U
Anthracene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Benzaldehyde	mg/L	0.01 U	0.01 UJ	0.01 U	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	0.01 U	NA	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 UJ	NA	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	0.01 UJ	0.01 U	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	0.01 U	NA	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	0.01 UJ	0.01 U	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	0.01 U	NA	0.01 U	0.01 U
Carbazole	mg/L	0.01 U	0.01 UJ	0.01 U	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	0.01 U	NA	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Dibenzofuran	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Fluoranthene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U	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	R	NA	0.005 U	0.005 UJ
Hexachloroethane	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
SVOCs																

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

Sample ID: / Date Collected:	Units	MWF12-01 11/07/07	MWF12-01 05/07/08	MWF12-01 11/04/08	MWF12-01 12/15/09	MWF12-01 11/04/10	MWF12-01 09/22/11	MWF12-02 09/05/01	MWF12-02 01/04/02	MWF12-02 11/13/02	MWF12-02 05/19/03	MWF12-02 12/16/03	MWF12-02 05/04/04	MWF12-02 05/20/04	MWF12-02 10/27/04	MWF12-02 05/11/05
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Naphthalene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 UJ	0.005 U	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	0.005 U	NA	0.005 U	0.005 U
CDD/F																
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWF12-01 11/07/07	MWF12-01 05/07/08	MWF12-01 11/04/08	MWF12-01 12/15/09	MWF12-01 11/04/10	MWF12-01 09/22/11	MWF12-02 09/05/01	MWF12-02 01/04/02	MWF12-02 11/13/02	MWF12-02 05/19/03	MWF12-02 12/16/03	MWF12-02 05/04/04	MWF12-02 05/20/04	MWF12-02 10/27/04	MWF12-02 05/11/05
CDD/F-Filtered																
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	NA	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	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	NA	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	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	NA	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	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	NA	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	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	NA	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	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	NA	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	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	NA	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	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	NA	0.0016 U	0.0016 U
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	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	NA	0.0004 U	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	0.0016 U [0.0016 U]	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	0.0004 U [0.0004 U]	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	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 UJ	0.025 U	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U
Arsenic	mg/L	0.002 U	0.001 J	0.002 U	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	0.01 U [0.01 U]	0.01 U	0.01 U
Barium	mg/L	0.0892	0.0777	0.0596	NA	NA	NA	NA	0.0475 [0.0365]	0.061 [0.0596]	0.0646 J	0.0687	0.0729	0.0803 [0.0785]	0.0978	0.0578
Beryllium	mg/L	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 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.00039 J [0.00031 J]	0.005 UJ	0.005 U	0.005 U	0.005 U [0.00046 J]	0.00042 J	0.00052 J
Chromium (Total)	mg/L	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]	0.01 UJ	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	NA	NA	NA	NA	0.0052 J [0.02 U]	0.0022 J [0.0025 J]	0.0021 J	0.002 J	0.0013 J	0.0021 J [0.0024 J]	0.0021 J	0.0019 J
Copper	mg/L	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 UJ	0.0027 J	0.0025 J	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	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	0.003 U [0.003 U]	0.003 U	0.003 U
Manganese	mg/L	1.55	1.16	1.81	0.747	0.001	0.9	NA	1.57 J [1.11 J]	1.02 [0.996]	1.03 J	0.956	1.3	1.31 [1.3]	1.07	0.897
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	NA		NA	NA	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
Nickel	mg/L	0.0052 J	0.02 U	0.02 U	NA		NA	NA	0.0063 J [0.02 U]	0.0043 J [0.0036 J]	0.0032 J	0.0056 J	0.0036 J	0.0044 J [0.0056 J]	0.0048 J	0.0061 J
Selenium	mg/L	0.005 U	0.005 U	0.005 U	NA		NA	NA	0.0046 J [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
Silver	mg/L	0.005 U	0.005 U	0.005 U	NA		NA	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]	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	NA		NA	NA	0.000077 J [0.000024 J]	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	0.001 U [0.00003 J]	0.001 U	0.001 U
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	NA		NA	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
Zinc	mg/L	0.02 U	0.0052 J	0.0082 J	NA		NA	NA	0.02 U [0.02 U]	0.02 U [0.0287]	0.02 UJ	0.0229 U	0.0152 J	0.02 U [0.02 U]	0.02 U	0.02 U

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

Sample ID: / Date Collected:	Units	MWF12-01 11/07/07	MWF12-01 05/07/08	MWF12-01 11/04/08	MWF12-01 12/15/09	MWF12-01 11/04/10	MWF12-01 09/22/11	MWF12-02 09/05/01	MWF12-02 01/04/02	MWF12-02 11/13/02	MWF12-02 05/19/03	MWF12-02 12/16/03	MWF12-02 05/04/04	MWF12-02 05/20/04	MWF12-02 10/27/04	MWF12-02 05/11/05
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.025 U [0.025 U]	NA	NA	NA	NA	0.025 U [0.025 U]	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.052 [0.0371]	NA	NA	NA	NA	0.0768 [0.078]	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.00067 J [0.001 U]	NA	NA	NA	NA	0.001 U [0.001 U]	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	0.00045 J [0.00039 J]	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0051 J [0.02 U]	NA	NA	NA	NA	0.0018 J [0.002 J]	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.003 U [0.003 U]	NA	NA	NA	NA	0.003 U [0.003 U]	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	1.74 J [1.17 J]	NA	NA	NA	NA	1.25 [1.28]	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA	NA	NA	0.0002 U [0.0002 U]	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0044 J [0.0033 J]	NA	NA	NA	NA	0.0047 J [0.005 J]	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA	NA	NA	0.005 U [0.005 U]	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000077 J [0.001 U]	NA	NA	NA	NA	0.001 U [0.001 U]	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA	NA	NA	0.01 U [0.01 U]	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.02 U [0.02 UJ]	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
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	1.172	1.721	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	2.74	2.71	2.71	2.25	NA	NA	NA	NA	NA	NA	2.54	NA	2.91	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.33	0.53	0.18	0.17	0.18	0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	162	129	19	-29	31.8	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.92	6.85
pH Field	s.u.	6.77	6.84	6.97	6.97	7.05	6.93	NA	NA	NA	NA	6.91	NA	6.5	NA	NA
Temperature	Deg C	14.67	15.23	17.07	9.39	15.50	16.7	NA	NA	NA	NA	14.02	NA	15	NA	NA
Temperature, Ambient	Deg F	35	65	60	25	37	67	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	0.3	NA	4.61	1.87	1	0.28	NA	NA	NA	NA	0.31	NA	0.5	NA	NA

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

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

Appendix C
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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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Acenaphthene	mg/L	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
Acetophenone	mg/L	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
Atrazine	mg/L	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
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
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
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
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
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
Biphenyl	mg/L	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
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
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
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	mg/L	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
Chrysene	mg/L	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
Dibenzofuran	mg/L	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
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
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
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
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs								

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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
Isophorone	mg/L	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
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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
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
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
CDD/F								
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	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
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	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
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	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
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	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
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	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
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	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
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	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
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	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
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	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
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA

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

Sample ID: / Date Collected:	Units	MWF12-02 11/03/05	MWF12-02 05/18/06	MWF12-02 11/10/06	MWF12-02 05/02/07	MWF12-02 11/07/07	MWF12-02 05/07/08	MWF12-02 11/04/08
CDD/F-Filtered								
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	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
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	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
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
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
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
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
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
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
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
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
Pests/PCBs-Filtered								
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Inorganics								
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.0022 J	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0028	0.002 U
Barium	mg/L	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
Cadmium	mg/L	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	0.0026 J	0.01 U
Cobalt	mg/L	0.0026 J	0.0034 J	0.0033 J	0.0021 J	0.02 U	0.0042 J	0.0017 J
Copper	mg/L	0.005 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
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Manganese	mg/L	1.34	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
Nickel	mg/L	0.0081 J	0.0121 J	0.0155 J	0.0066 J	0.0056 J	0.0081 J	0.0041 J
Selenium	mg/L	0.0066 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	0.0031 J	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	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	0.0022 J	0.01 U
Zinc	mg/L	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 Groundawater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Date Collected:	Units	MWF12-02 11/03/05	MWF12-02 05/18/06	MWF12-02 11/10/06	MWF12-02 05/02/07	MWF12-02 11/07/07	MWF12-02 05/07/08	MWF12-02 11/04/08
Inorganics-Filtered								
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA
Miscellaneous								
pH (water)	none	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA
Field Parameters								
Conductivity Field	mS/cm	NA	NA	3.73	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	NA	3,300	4.13	3.98	3.98
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	0.26	0.9	0.34	0.24	0.2
ORP, Field	millivolts	NA	NA	230	128	171	91	39
pH Field	pH Units	6.4	6.61	NA	NA	NA	NA	NA
pH Field	s.u.	NA	NA	6.55	6.72	6.77	6.5	6.85
Temperature	Deg C	NA	NA	13.4	11.67	12.85	13.36	16.03
Temperature, Ambient	Deg F	NA	NA	50	NA	35	65	60
Turbidity (Field)	NTU	NA	NA	1.14	0.23	0.43	NA	0.43

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-05 12/16/03	MWM16-05 05/09/08	MWM16-05 11/06/08	MWM16-21 04/26/04	MWM16-21 11/10/05	MWM16-21 05/09/08	MWM16-21 11/05/08	MWM16-21 12/16/09	MWM16-21 11/05/10	MWM16-21 09/22/11	MWM16-22 04/26/04	MWM16-22 11/10/05	MWM16-22 05/09/08	MWM16-22 11/05/08	MWM16-43 09/02/05	MWM16-43 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	0.001 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	0.001 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	0.001 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	0.001 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	0.001 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	0.001 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	0.002 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	0.001 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	0.001 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	0.001 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	0.001 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	0.001 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	0.001 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	0.01 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	0.01 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	0.01 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	0.01 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	0.001 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	0.001 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	0.001 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	0.001 U	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	0.001 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	0.001 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	0.001 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	0.001 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	0.001 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	0.001 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	0.0005 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	0.001 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	0.001 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	0.001 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	0.002 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	0.001 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	0.001 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	0.01 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	0.001 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	0.005 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	0.001 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	0.001 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	0.001 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	0.001 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	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	0.0005 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	0.001 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	0.001 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	0.001 UJ	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	0.001 U	0.001 U	0.001 U	0.002 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	0.017 U	0.001 U	0.001 U	0.001U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.002 U	0.002 U	0.001 U	0.002 U	0.002 U	0.033 U	0.002 U	0.002 U	0.002U	0.001 U	0.002 U	0.002 U	0.004 U	0.002 U	0.002 U

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-05 12/16/03	MWM16-05 05/09/08	MWM16-05 11/06/08	MWM16-21 04/26/04	MWM16-21 11/10/05	MWM16-21 05/09/08	MWM16-21 11/05/08	MWM16-21 12/16/09	MWM16-21 11/05/10	MWM16-21 09/22/11	MWM16-22 04/26/04	MWM16-22 11/10/05	MWM16-22 05/09/08	MWM16-22 11/05/08	MWM16-43 09/02/05	MWM16-43 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	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	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	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	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	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	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	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	0.005 U	NA
2-Chloronaphthalene	mg/L	0.005 U	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	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	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	0.005 U	NA
2-Nitroaniline	mg/L	0.02 U	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	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	0.02 U	NA
3-Nitroaniline	mg/L	0.02 U	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	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	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	0.005 U	NA
4-Chloroaniline	mg/L	R	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	0.005 U	NA
4-Methylphenol	mg/L	0.005 U	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	0.02 U	NA
4-Nitrophenol	mg/L	0.02 UJ	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	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	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	0.01 U	NA
Anthracene	mg/L	0.005 U	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	0.005 U	NA
Benzaldehyde	mg/L	0.01 U	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	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	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	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	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	0.005 U	NA
Biphenyl	mg/L	0.01 U	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	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	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	0.005 U	NA
Butyl benzylphthalate	mg/L	0.005 U	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	0.01 U	NA
Carbazole	mg/L	0.01 U	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	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	0.005 U	NA
Dibenzofuran	mg/L	0.005 U	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	0.005 U	NA
Dimethyl phthalate	mg/L	0.005 U	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	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	0.005 U	NA
Fluoranthene	mg/L	0.005 U	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	0.005 U	NA
Hexachlorobenzene	mg/L	0.005 U	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	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	R	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	0.005 U	NA
SVOCs																	

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-05 12/16/03	MWM16-05 05/09/08	MWM16-05 11/06/08	MWM16-21 04/26/04	MWM16-21 11/10/05	MWM16-21 05/09/08	MWM16-21 11/05/08	MWM16-21 12/16/09	MWM16-21 11/05/10	MWM16-21 09/22/11	MWM16-22 04/26/04	MWM16-22 11/10/05	MWM16-22 05/09/08	MWM16-22 11/05/08	MWM16-43 09/02/05	MWM16-43 11/09/05
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	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	0.005 U	NA
Methylphenol (Cresol)	mg/L	0.005 U	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	0.005 U	NA
Nitrobenzene	mg/L	0.005 U	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	0.005 U	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	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	0.005 U	NA
Phenanthrene	mg/L	0.005 U	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	0.005 U	NA
Pyrene	mg/L	0.005 U	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	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)	mg/L	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
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	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
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	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
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	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
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	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
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 Seni-Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-05 12/16/03	MWM16-05 05/09/08	MWM16-05 11/06/08	MWM16-21 04/26/04	MWM16-21 11/10/05	MWM16-21 05/09/08	MWM16-21 11/05/08	MWM16-21 12/16/09	MWM16-21 11/05/10	MWM16-21 09/22/11	MWM16-22 04/26/04	MWM16-22 11/10/05	MWM16-22 05/09/08	MWM16-22 11/05/08	MWM16-43 09/02/05	MWM16-43 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
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	NA	NA	0.0002 UJ	0.0002 U	NA	NA	NA	NA	NA	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	NA	NA	0.0002 UJ	0.0002 U	NA	NA	NA	NA	NA	0.0002 UJ	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	NA	NA	0.0004 UJ	0.0004 U	NA	NA	NA	NA	NA	0.0004 UJ	0.0004 U	NA	NA	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	NA	NA	0.0002 U	0.0002 U	NA	NA	NA	NA	NA	0.0002 U	0.0002 U	NA	NA	0.00008 J	NA
Total PCBs-Realm/Encore	mg/L	0.0016 U	NA	NA	0.0016 U	0.0016 U	NA	NA	NA	NA	NA	0.0016 U	0.0016 U	NA	NA	0.00058	NA
Total PCBs	mg/L	0.0004 U	NA	NA	0.0004 U	0.0004 U	NA	NA	NA	NA	NA	0.0004 U	0.0004 U	NA	NA	0.00008 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	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	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
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	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
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	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
Total PCBs-Realm/Encore	mg/L	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
Inorganics																	
Antimony	mg/L	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA
Arsenic	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Barium	mg/L	0.0248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.136	NA
Beryllium	mg/L	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA
Cadmium	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Chromium (Total)	mg/L	0.0059 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Cobalt	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA
Copper	mg/L	0.004 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Cyanide (total)	mg/L	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	0.003 U	NA
Manganese	mg/L	0.0017 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.24	NA
Mercury	mg/L	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA
Nickel	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0046 J	NA
Selenium	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
Silver	mg/L	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000049 J	NA
Vanadium	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Zinc	mg/L	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-05 12/16/03	MWM16-05 05/09/08	MWM16-05 11/06/08	MWM16-21 04/26/04	MWM16-21 11/10/05	MWM16-21 05/09/08	MWM16-21 11/05/08	MWM16-21 12/16/09	MWM16-21 11/05/10	MWM16-21 09/22/11	MWM16-22 04/26/04	MWM16-22 11/10/05	MWM16-22 05/09/08	MWM16-22 11/05/08	MWM16-43 09/02/05	MWM16-43 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
Arsenic (Dissolved)	mg/L	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
Beryllium (Dissolved)	mg/L	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
Chromium Total (Dissolved)	mg/L	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
Copper (Dissolved)	mg/L	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
Manganese (Dissolved)	mg/L	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
Nickel (Dissolved)	mg/L	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
Silver (Dissolved)	mg/L	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
Vanadium (Dissolved)	mg/L	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
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	NA	NA	NA	NA	NA	NA	NA	NA	0.752	1.074	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	NA	NA	3.98	3.86	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	0.24	0.18	NA	NA
ORP, Field	millivolts	NA	67	NA	NA	NA	-99	-93	-142	-61.1	-45.2	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
pH Field	s.u.	7.68	7.65	NA	NA	NA	7.33	7.26	6.91	6.98	7.16	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	NA	NA	12.6	13.12	NA	NA
Temperature, Ambient	Deg F	NA	60	60	NA	NA	60	60	25	35	56	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	NA	NA	0.75	1.22	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-43 06/15/06	MWM16-43 05/09/08	MWM16-43 11/07/08	MWM16-43 12/16/09	MWM16-43 11/05/10	MWM16-43 09/23/11	MWM16-54 06/14/06	MWM16-54 01/10/07	MWM16-54 05/09/08	MWM16-54 11/07/08	MWW1-02 01/17/02	MWW1-02 11/08/02	MWW1-02 05/19/03	MWW1-02 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	0.00015 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	0.00025 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	0.0003 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	0.00016 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	0.00024 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	0.005 U	0.005 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]
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.002 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	0.00022 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	0.00011 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	0.00021 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 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	0.00015 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	0.00017 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	0.01 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	0.01 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	0.01 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	0.01 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	0.00016 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 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	0.00018 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 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	0.001 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	0.00012 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	0.00014 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	0.00026 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 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	0.00025 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	0.00022 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 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	0.00013 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 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	0.002 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	0.00012 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	0.001 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 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	0.00015 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	0.00013 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	0.001 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	0.00015 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 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	0.00018 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	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	0.00015 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	0.00027 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	0.00014 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	0.00028 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	0.00032 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	0.00015 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	0.00033 U	0.001 U	0.001 UJ	0.001 U [0.001 U]

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-43 06/15/06	MWM16-43 05/09/08	MWM16-43 11/07/08	MWM16-43 12/16/09	MWM16-43 11/05/10	MWM16-43 09/23/11	MWM16-54 06/14/06	MWM16-54 01/10/07	MWM16-54 05/09/08	MWM16-54 11/07/08	MWW1-02 01/17/02	MWW1-02 11/08/02	MWW1-02 05/19/03	MWW1-02 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	R	0.005 U	0.005 UJ	R [R]
Hexachloroethane	mg/L	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]
SVOCs															

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-43 06/15/06	MWM16-43 05/09/08	MWM16-43 11/07/08	MWM16-43 12/16/09	MWM16-43 11/05/10	MWM16-43 09/23/11	MWM16-54 06/14/06	MWM16-54 01/10/07	MWM16-54 05/09/08	MWM16-54 11/07/08	MWW1-02 01/17/02	MWW1-02 11/08/02	MWW1-02 05/19/03	MWW1-02 12/10/03
Indeno(1,2,3-cd)pyrene	mg/L	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000000001 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	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	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	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	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	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	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	0.000000001 U	0.00000001 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	0.0000000013 U	0.00000001 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	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	0.0000000009 U	0.00000001 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	0.0000000009 U	0.00000001 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	0.0000000012 U	0.00000001 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	0.0000000008 U	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	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	0.0000000006 U	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	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	0.0000000009 U	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000000012 J	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	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	0.0000000012 U	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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RACER Trust
Pontiac North Campus

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-43 06/15/06	MWM16-43 05/09/08	MWM16-43 11/07/08	MWM16-43 12/16/09	MWM16-43 11/05/10	MWM16-43 09/23/11	MWM16-54 06/14/06	MWM16-54 01/10/07	MWM16-54 05/09/08	MWM16-54 11/07/08	MWW1-02 01/17/02	MWW1-02 11/08/02	MWW1-02 05/19/03	MWW1-02 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
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	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	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	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	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	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	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	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	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	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
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	mg/L	NA	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	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	0.155	0.137	0.178 J	0.2 [0.186]
Beryllium	mg/L	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	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	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	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	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	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	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	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	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	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	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	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
Thallium	mg/L	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	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	0.012 U	0.02 U	0.02 UJ	0.02 U [0.02 U]

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWM16-43 06/15/06	MWM16-43 05/09/08	MWM16-43 11/07/08	MWM16-43 12/16/09	MWM16-43 11/05/10	MWM16-43 09/23/11	MWM16-54 06/14/06	MWM16-54 01/10/07	MWM16-54 05/09/08	MWM16-54 11/07/08	MWW1-02 01/17/02	MWW1-02 11/08/02	MWW1-02 05/19/03	MWW1-02 12/10/03
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	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	0.012	NA	NA	NA
Barium (Dissolved)	mg/L	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	0.00054 U	NA	NA	NA
Cadmium (Dissolved)	mg/L	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	0.0014 U	NA	NA	NA
Cobalt (Dissolved)	mg/L	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	0.0042 U	NA	NA	NA
Lead (Dissolved)	mg/L	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	0.558 J	NA	NA	NA
Mercury (Dissolved)	mg/L	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	0.0022 U	NA	NA	NA
Selenium (Dissolved)	mg/L	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	0.0015 U	NA	NA	NA
Thallium (Dissolved)	mg/L	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	0.00082 U	NA	NA	NA
Zinc (Dissolved)	mg/L	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
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	NA	NA	NA	1.058	1.091	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	1.31	1.52	1.428	NA	NA	NA	NA	5.79	7.28	NA	NA	NA	1.74
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	0.9	1.23	3.04	2.34	1.44	NA	NA	0.13	0.4	NA	NA	NA	NA
ORP, Field	millivolts	NA	-1	125	4	18.2	39.1	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
pH Field	s.u.	NA	6.9	7.2	7.1	6.96	6.96	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	NA	NA	18.74	NA	NA	NA	NA	9.48
Temperature, Ambient	Deg F	NA	60	50	25	33	58	NA	NA	60	50	NA	NA	NA	NA
Turbidity (Field)	NTU	NA	11.1	11.3	3.8	3.78	0.16	NA	NA	2.09	4.79	NA	NA	NA	3.62

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 05/03/04	MWW1-02 05/17/04	MWW1-02 10/26/04	MWW1-02 05/11/05	MWW1-02 11/02/05	MWW1-02 05/17/06	MWW1-02 11/13/06	MWW1-02 05/03/07	MWW1-02 11/07/07	MWW1-02 05/07/08
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 05/03/04	MWW1-02 05/17/04	MWW1-02 10/26/04	MWW1-02 05/11/05	MWW1-02 11/02/05	MWW1-02 05/17/06	MWW1-02 11/13/06	MWW1-02 05/03/07	MWW1-02 11/07/07	MWW1-02 05/07/08
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U [0.005 U]	NA	0.005 U [0.005 U]	0.005 U	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
SVOCs											

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 05/03/04	MWW1-02 05/17/04	MWW1-02 10/26/04	MWW1-02 05/11/05	MWW1-02 11/02/05	MWW1-02 05/17/06	MWW1-02 11/13/06	MWW1-02 05/03/07	MWW1-02 11/07/07	MWW1-02 05/07/08
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
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
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
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
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
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
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
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
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
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
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
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]	0.0000000038 U	0.000000019 U	0.000000014 U	0.0000000024 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000021 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
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
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]	0.0000000027 U	0.0000000097 U	0.0000000079 U	0.0000000017 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000097 U [0.0000000011 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
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000001 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
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
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000085 U [0.0000000013 U]	NA	0.00000000056 U [0.00000000061 U]	0.000000002 U	0.0000000052 U [0.0000000052 U]	0.0000000077 U [0.0000000074 U]	0.000000002 U	0.000000006 U	0.000000004 U	0.0000000011 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000011 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
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
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
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
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000027 U [0.0000000032 U]	NA	0.0000000017 U [0.0000000021 U]	0.0000000019 U	0.0000000084 U [0.0000000092 U]	0.000000017 U [0.000000016 U]	0.0000000033 U	0.000000013 U	0.0000000076 U	0.0000000025 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
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
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000001 U [0.000000001 U]	NA	0.0000000026 U [0.0000000022 U]	0.0000000014 U	0.0000000037 U [0.0000000035 U]	0.0000000085 U [0.0000000094 UJ]	0.0000000015 U	0.0000000051 U	0.0000000036 U	0.00000000098 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000084 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
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
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
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
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
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	0.000000002 U [0.0000000019 U]	0.0000000018 U	0.0000000054 U [0.0000000056 U]	0.000000011 U [0.000000012 U]	0.0000000019 U	0.0000000088 U	0.0000000051 U	0.0000000015 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	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
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	0.0000000051 U	0.0000000036 U	0.00000000098 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
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]	0.00000000591 U	0.0000000255 U	0.0000000156 U	0.00000000428 U
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 05/03/04	MWW1-02 05/17/04	MWW1-02 10/26/04	MWW1-02 05/11/05	MWW1-02 11/02/05	MWW1-02 05/17/06	MWW1-02 11/13/06	MWW1-02 05/03/07	MWW1-02 11/07/07	MWW1-02 05/07/08
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U [0.0002 U]	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
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
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
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
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
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
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
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
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
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U [0.025 U]	0.025 U	0.025 U [0.025 U]	0.025 U	0.025 U [0.025 U]	0.0045 J [0.025 U]	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U [0.01 U]	0.001 J [0.00097 J]	0.002 U	0.00051 J	0.002 U	0.00081 J
Barium	mg/L	0.216 [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
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
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
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
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
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
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
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
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
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
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
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
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
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U [0.001 U]	0.001 U [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
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

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 05/03/04	MWW1-02 05/17/04	MWW1-02 10/26/04	MWW1-02 05/11/05	MWW1-02 11/02/05	MWW1-02 05/17/06	MWW1-02 11/13/06	MWW1-02 05/03/07	MWW1-02 11/07/07	MWW1-02 05/07/08
Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	0.209	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	0.005 U	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
Cobalt (Dissolved)	mg/L	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	0.647	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	0.0033 J	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	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
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	1.47	NA	NA	NA
Conductivity Field	umhos/cm	NA	2.17	NA	NA	NA	NA	NA	1,580	1.063	0.951
Dissolved Oxygen	mg/L	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
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	-53	-92	-89	-62
pH Field	pH Units	NA	NA	6.96	6.73	6.87	6.65	NA	NA	NA	NA
pH Field	s.u.	NA	6.82	NA	NA	NA	NA	7.11	7.09	6.81	7.29
Temperature	Deg C	NA	20.1	NA	NA	NA	NA	10.21	11.46	13.75	13.66
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	40	NA	35	65
Turbidity (Field)	NTU	NA	1.7	NA	NA	NA	NA	3.87	0.6	4.2	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 11/06/08	MWW1-03 01/17/02	MWW1-03 11/08/02	MWW1-03 05/19/03	MWW1-03 12/10/03	MWW1-03 05/03/04	MWW1-03 05/17/04	MWW1-03 10/26/04	MWW1-03 05/11/05	MWW1-03 09/20/05	MWW1-03 11/02/05	MWW1-03 05/17/06	MWW1-03 08/15/06
VOCs														
1,1,1-Trichloroethane	mg/L	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,1,2,2-Tetrachloroethane	mg/L	0.001 UJ	0.00025 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.0003 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,1-Dichloroethane	mg/L	0.001 U	0.00016 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,1-Dichloroethene	mg/L	0.001 U	0.00024 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.00062 U	0.002 U	0.002 UJ	0.002 U	0.002 U	NA	0.002 UJ	0.002 U [0.002 U]	NA	0.002 U	0.002 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.00022 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.00011 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,2-Dichloroethane	mg/L	0.001 U	0.00021 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,2-Dichloropropane	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.00041 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	NA	0.01 UJ	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
2-Hexanone	mg/L	0.01 U	0.00046 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 UJ	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.00023 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Acetone	mg/L	0.0016 J	0.00051 UJ	0.0011 J	0.01 UJ	0.01 U	0.01 U	NA	0.01 UJ	0.01 U [0.01 U]	NA	0.01 U	0.0019 J	NA
Benzene	mg/L	0.001 U	0.00016 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Bromodichloromethane	mg/L	0.001 U	0.00017 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Bromoform	mg/L	0.001 U	0.00018 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.0002 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 UJ [0.001 U]	NA	0.001 U	0.001 U	NA
Carbon disulfide	mg/L	0.001 U	0.0002 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.00059 J [0.001 U]	NA	0.0011	0.001 U	NA
Carbon tetrachloride	mg/L	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 UJ	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Chlorobenzene	mg/L	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Chloroethane	mg/L	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.00013 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.00022 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
cis-1,3-Dichloropropene	mg/L	0.001 UJ	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 UJ	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Cyclohexane	mg/L	0.001 UJ	0.00013 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Dibromochloromethane	mg/L	0.001 U	0.00026 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 UJ	0.00026 U	0.002 U	0.002 UJ	0.002 U	0.002 U	NA	0.002 U	0.002 U [0.002 U]	NA	0.002 U	0.002 U	NA
Ethylbenzene	mg/L	0.001 UJ	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Isopropylbenzene	mg/L	0.001 U	0.00012 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Methyl acetate	mg/L	0.01 U	0.00041 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Methyl cyclohexane	mg/L	0.001 UJ	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.00013 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.005 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Methylene chloride	mg/L	0.001 U	0.00034 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Styrene	mg/L	0.001 U	0.00015 U	0.001 U	R	R	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Tetrachloroethene	mg/L	0.001 U	0.00023 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Toluene	mg/L	0.001 U	0.00018 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.00027 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.00015 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
trans-1,3-Dichloropropene	mg/L	0.001 UJ	0.00027 U	0.001 U	0.001 UJ	0.001 U	R	NA	0.001 UJ	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Trichloroethene	mg/L	0.001 U	0.00014 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.00028 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.00032 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Vinyl chloride	mg/L	0.001 U	0.00015 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Xylene (total)	mg/L	0.002 U	0.00033 U	0.001 U	0.001 UJ	0.001 U	0.001 U	NA	0.002 U	0.002 U [0.002 U]	NA	0.002 U	0.002 U	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 11/06/08	MWW1-03 01/17/02	MWW1-03 11/08/02	MWW1-03 05/19/03	MWW1-03 12/10/03	MWW1-03 05/03/04	MWW1-03 05/17/04	MWW1-03 10/26/04	MWW1-03 05/11/05	MWW1-03 09/20/05	MWW1-03 11/02/05	MWW1-03 05/17/06	MWW1-03 08/15/06
SVOCs														
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.0031 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	0.0048 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.0068 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.0034 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.012 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.0023 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2-Chloronaphthalene	mg/L	0.005 UJ	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2-Chlorophenol	mg/L	0.005 U	0.004 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	0.0026 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2-Methylphenol	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
2-Nitroaniline	mg/L	0.02 U	0.0028 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
2-Nitrophenol	mg/L	0.005 U	0.0084 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
3,3'-Dichlorobenzidine	mg/L	R	0.0037 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
3-Nitroaniline	mg/L	0.02 U	0.0028 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.0052 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.0035 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.004 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
4-Chloroaniline	mg/L	0.01 U	0.0024 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
4-Methylphenol	mg/L	0.005 U	0.0052 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
4-Nitroaniline	mg/L	0.02 U	0.0052 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
4-Nitrophenol	mg/L	0.02 U	0.0076 U	0.02 U	0.02 UJ	0.02 U	0.02 U	NA	0.08 U	0.02 U [0.02 U]	NA	0.02 U	0.02 U	NA
Acenaphthene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	0.0028 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Anthracene	mg/L	0.005 U	0.0027 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Atrazine	mg/L	0.005 U	0.01 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Benzaldehyde	mg/L	0.01 U	0.011 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Benzo(a)anthracene	mg/L	0.005 U	0.0028 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Benzo(a)pyrene	mg/L	0.005 U	0.0029 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.0038 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.0034 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Biphenyl	mg/L	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.0035 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	0.011 U	0.005 U	0.005 UJ	0.0014 J	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.0013 J	NA
Butyl benzylphthalate	mg/L	0.005 U	0.0035 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Caprolactam	mg/L	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Carbazole	mg/L	0.01 U	0.0033 U	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.04 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Chrysene	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Dibenzofuran	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Diethyl phthalate	mg/L	0.005 U	0.0026 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Dimethyl phthalate	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	0.0027 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.00045 J [0.00053 J]	NA	0.005 U	0.005 U	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Fluoranthene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Fluorene	mg/L	0.005 U	0.004 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Hexachlorobenzene	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Hexachlorobutadiene	mg/L	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	0.005 U	R	0.005 U	0.005 UJ	R	R	NA	0.02 U	0.005 UJ [0.005 U]	NA	0.005 U	0.005 U	NA
Hexachloroethane	mg/L	0.005 U	0.003 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
SVOCs														

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 11/06/08	MWW1-03 01/17/02	MWW1-03 11/08/02	MWW1-03 05/19/03	MWW1-03 12/10/03	MWW1-03 05/03/04	MWW1-03 05/17/04	MWW1-03 10/26/04	MWW1-03 05/11/05	MWW1-03 09/20/05	MWW1-03 11/02/05	MWW1-03 05/17/06	MWW1-03 08/15/06
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.0025 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Isophorone	mg/L	0.005 U	0.0025 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Methylphenol (Cresol)	mg/L	0.005 U	0.0052 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Naphthalene	mg/L	0.005 U	R	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Nitrobenzene	mg/L	0.005 U	0.0032 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.0027 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.0056 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Pentachlorophenol	mg/L	0.005 U	0.0096 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Phenanthrene	mg/L	0.005 U	0.0033 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Phenol	mg/L	0.005 U	0.01 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Pyrene	mg/L	0.005 U	0.0044 U	0.005 U	0.005 UJ	0.005 U	0.005 U	NA	0.02 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
CDD/F														
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000046 U	0.0000000016 UJ	0.00000005 U	0.0000000065 UJ	0.00000001 U	0.0000000038 U	NA	0.0000000024 U	0.0000000022 U [0.0000000018 U]	NA	0.000000014 U	0.000000012 U	0.0000000043 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000049 U	0.0000000019 U	0.00000005 U	0.000000007 UJ	0.0000000083 U	0.0000000072 U	NA	0.0000000043 U	0.00000001 U [0.0000000071 U]	NA	0.000000018 U	0.00000006 J	0.0000000081 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000026 U	0.0000000007 U	0.000000025 U	0.0000000045 UJ	0.0000000029 U	0.00000000067 U	NA	0.0000000021 U	0.00000000098 U [0.0000000013 U]	NA	0.0000000051 U	0.000000016 U	0.0000000023 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000036 U	0.0000000011 UJ	0.000000025 U	0.000000004 UJ	0.0000000046 U	0.0000000018 U	NA	0.00000000061 U	0.0000000012 U [0.0000000012 U]	NA	0.0000000089 U	0.000000023 U	0.0000000028 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000003 U	0.0000000009 U	0.000000025 U	0.0000000033 UJ	0.0000000033 U	0.00000000082 U	NA	0.00000000055 U	0.0000000011 U [0.00000000093 U]	NA	0.0000000065 U	0.0000000076 U	0.0000000028 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U	0.0000000005 UJ	0.000000025 U	0.0000000046 UJ	0.000000005 U	0.0000000011 U	NA	0.0000000024 U	0.000000002 U [0.0000000016 U]	NA	0.000000006 U	0.000000008 U	0.000000004 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000044 U	0.0000000008 U	0.000000025 U	0.0000000042 UJ	0.0000000056 U	0.0000000014 U	NA	0.0000000018 U	0.0000000015 U [0.0000000015 U]	NA	0.0000000073 U	0.0000000082 U	0.0000000031 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000027 U	0.0000000005 U	0.000000025 U	0.0000000045 UJ	0.0000000046 U	0.00000000093 U	NA	0.00000000075 U	0.000000002 U [0.0000000016 U]	NA	0.0000000052 U	0.0000000074 U	0.0000000038 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000039 U	0.0000000009 U	0.000000025 U	0.0000000044 UJ	0.0000000053 U	0.0000000012 U	NA	0.0000000011 U	0.0000000016 U [0.0000000014 U]	NA	0.0000000056 U	0.0000000075 U	0.0000000028 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U	0.0000000007 U	0.000000025 U	0.0000000051 UJ	0.0000000053 U	0.0000000012 U	NA	0.00000000061 U	0.0000000024 U [0.0000000019 U]	NA	0.000000008 U	0.0000000083 U	0.0000000045 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000039 U	0.0000000008 U	0.000000025 U	0.000000004 UJ	0.0000000052 U	0.0000000012 U	NA	0.0000000011 U	0.0000000017 U [0.0000000014 U]	NA	0.0000000064 U	0.0000000073 U	0.0000000028 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000033 U	0.000000001 U	0.00000001 U	0.0000000027 UJ	0.0000000039 U	0.0000000011 U	NA	0.0000000011 U	0.0000000013 U [0.0000000014 U]	NA	0.0000000051 U	0.000000011 U	0.0000000026 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000044 U	0.0000000013 U	0.00000001 U	0.0000000038 UJ	0.0000000054 U	0.0000000027 U	NA	0.0000000017 U	0.0000000023 U [0.0000000021 U]	NA	0.000000008 U	0.000000016 U	0.000000004 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000003 U	0.0000000006 U	0.000000025 U	0.0000000047 UJ	0.0000000048 U	0.0000000011 U	NA	0.00000000054 U	0.0000000021 U [0.0000000017 U]	NA	0.0000000066 U	0.0000000081 U	0.0000000041 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000034 U	0.0000000009 U	0.00000001 U	0.0000000027 UJ	0.0000000038 U	0.0000000011 U	NA	0.0000000011 U	0.0000000013 U [0.0000000014 U]	NA	0.0000000051 U	0.000000011 U	0.0000000026 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000002 U	0.0000000008 U	0.00000001 U	0.0000000017 UJ	0.0000000023 U	0.00000000098 U	NA	0.0000000027 U	0.0000000012 U [0.000000001 U]	NA	0.0000000035 U	0.0000000038 UJ	0.0000000023 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000034 U	0.0000000011 U	0.00000001 U	0.0000000024 UJ	0.0000000033 U	0.00000000082 U	NA	0.00000000083 U	0.00000000098 U [0.00000000079 U]	NA	0.0000000048 U	0.0000000041 UJ	0.0000000023 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000003 U	0.0000000008 U	NA	NA	NA	NA	NA	0.0000000021 U	0.0000000011 U [0.0000000013 U]	NA	0.0000000065 U	0.000000016 U	0.0000000028 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000036 U	0.0000000038 J	NA	NA	NA	NA	NA	0.00000000073 U	0.000000002 U [0.0000000014 U]	NA	0.0000000089 U	0.000000023 U	0.0000000028 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000031 U	0.0000000033	NA	NA	NA	NA	NA	0.0000000024 U	0.0000000024 U [0.0000000019 U]	NA	0.000000008 U	0.0000000083 U	0.0000000045 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000044 U	0.0000000008 U	NA	NA	NA	NA	NA	0.0000000014 U	0.0000000018 U [0.0000000015 U]	NA	0.0000000073 U	0.0000000082 U	0.0000000031 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000034 U	0.0000000009 U	NA	NA	NA	NA	NA	0.0000000018 U	0.0000000015 U [0.0000000014 U]	NA	0.0000000051 U	0.000000011 U	0.000000003 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000044 U	0.0000000018 J	NA	NA	NA	NA	NA	0.0000000017 U	0.0000000023 U [0.0000000021 U]	NA	0.000000008 U	0.000000021 U	0.000000004 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000002 U	0.0000000008 U	NA	NA	NA	NA	NA	0.0000000027 U	0.0000000012 U [0.000000001 U]	NA	0.0000000035 U	0.0000000038 U	0.0000000023 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000034 U	0.0000000011 U	NA	NA	NA	NA	NA	0.00000000083 U	0.00000000098 U [0.00000000079 U]	NA	0.0000000048 U	0.0000000041 U	0.0000000023 U
2,3,7,8-TCDD Equivalent	mg/L	0.0000000102 U	0.00000000284 U	0.0000000399 U	0.00000000924 U	0.000000012 U	0.00000000373 U	NA	0.00000000338 U	0.00000000437 U [0.00000000386 U]	NA	0.0000000167 U	0.0000000123	0.00000000856 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	0.0000000053 U
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	0.0000000047 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000022 U
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	0.0000000036 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000027 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000039 U
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	0.0000000033 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000037 U
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	0.0000000031 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000044 U
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	0.000000003 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000029 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000043 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000000004 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000028 U

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 11/06/08	MWW1-03 01/17/02	MWW1-03 11/08/02	MWW1-03 05/19/03	MWW1-03 12/10/03	MWW1-03 05/03/04	MWW1-03 05/17/04	MWW1-03 10/26/04	MWW1-03 05/11/05	MWW1-03 09/20/05	MWW1-03 11/02/05	MWW1-03 05/17/06	MWW1-03 08/15/06
CDD/F-Filtered														
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000017 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000018 U
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000027 U
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000036 U
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000044 U
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000033 U
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000029 U
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000043 U
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000017 U
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000018 U
Pests/PCBs														
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.000054 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.00011 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.000056 U	0.0004 U	0.0004 UJ	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U [0.0004 U]	0.0004 U	0.0004 U	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.000075 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.000061 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.000082 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.000044 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	NA	0.0002 U	0.000064 J [0.0002 J]	0.00086	0.0002 U	0.0002 U	NA
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.000482 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.000564 [0.0007]	0.00136	0.0016 U	0.0016 U	NA
Total PCBs	mg/L	0.0004 U	0.00011 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.000064 J [0.0002 J]	0.00086	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	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	0.0022 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
Arsenic	mg/L	0.0016 J	0.0047 J	0.0061 J	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.0032 J [0.0032 J]	NA	0.01 U	0.002	NA
Barium	mg/L	0.0758	0.188	0.166	0.139 J	0.245	0.13	0.161	0.105	0.13 [0.127]	NA	0.134	0.162	NA
Beryllium	mg/L	0.001 U	0.00054 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	NA	0.001 U	0.001 U	NA
Cadmium	mg/L	0.005 U	0.00028 U	0.005 U	0.005 UJ	0.00065 J	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Chromium (Total)	mg/L	0.01 U	0.0014 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.0072 J	0.01 U	0.01 U [0.01 U]	NA	0.0046 J	0.0033 J	NA
Cobalt	mg/L	0.02 U	0.0013 U	0.0011 J	0.02 UJ	0.02 U	0.02 U	0.0021 J	0.02 U	0.02 U [0.02 U]	NA	0.0016 J	0.0018 J	NA
Copper	mg/L	0.005 U	0.0042 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA	0.0041 J	0.0032 J	NA
Cyanide (total)	mg/L	0.01 U	0.0034 J	0.01 U	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U [0.01 U]	NA	0.01 U	0.01 U	NA
Lead	mg/L	0.003 U	0.0025 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U [0.003 U]	NA	0.0181	0.0044	NA
Manganese	mg/L	1.23	0.427 J	0.429 J	0.494 J	1.32	0.873	0.74	0.568	0.725 [0.717]	NA	0.675	0.737	NA
Mercury	mg/L	0.0002 U	0.000069 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	NA	0.0002 U	0.0002 U	NA
Nickel	mg/L	0.02 U	0.0029 J	0.02 U	0.02 UJ	0.0053 J	0.02 U	0.0085 J	0.02 U	0.0028 J [0.003 J]	NA	0.0093 J	0.0046 J	NA
Selenium	mg/L	0.005 U	0.0045 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Silver	mg/L	0.005 U	0.0015 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U [0.005 U]	NA	0.005 U	0.005 U	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.000018 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
Vanadium	mg/L	0.01 U	0.00082 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.0014 J	0.01 U	0.01 U [0.01 U]	NA	0.0032 J	0.01 U	NA
Zinc	mg/L	0.02 U	0.012 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.0259	0.02 U	0.02 U [0.02 U]	NA	0.0352	0.0205	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-02 11/06/08	MWW1-03 01/17/02	MWW1-03 11/08/02	MWW1-03 05/19/03	MWW1-03 12/10/03	MWW1-03 05/03/04	MWW1-03 05/17/04	MWW1-03 10/26/04	MWW1-03 05/11/05	MWW1-03 09/20/05	MWW1-03 11/02/05	MWW1-03 05/17/06	MWW1-03 08/15/06
Inorganics-Filtered														
Antimony (Dissolved)	mg/L	NA	0.0022 U	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	0.0043 J	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	0.191	NA	NA	NA	NA	0.153	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	0.00054 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	0.00028 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	0.0014 U	NA	NA	NA	NA	0.0045 J	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	0.0013 U	NA	NA	NA	NA	0.0023 J	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	0.0042 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	0.0025 U	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	0.433 J	NA	NA	NA	NA	0.739	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	0.000069 U	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	0.0036 J	NA	NA	NA	NA	0.0056 J	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	0.0045 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	0.0015 U	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	0.000018 U	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	0.00082 U	NA	NA	NA	NA	0.0016 J	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	0.012 U	NA	NA	NA	NA	0.02 U	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	NA
Conductivity Field	umhos/cm	1.49	NA	NA	NA	2.69	NA	3.96	NA	NA	NA	NA	NA	2.6
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-81
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	6.91	6.91	NA	6.88	6.7	NA
pH Field	s.u.	6.96	NA	NA	NA	6.75	NA	6.9	NA	NA	NA	NA	NA	6.71
Temperature	Deg C	13.94	NA	NA	NA	8.61	NA	19.7	NA	NA	NA	NA	NA	22.3
Temperature, Ambient	Deg F	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65
Turbidity (Field)	NTU	0.69	NA	NA	NA	1.79	NA	4	NA	NA	NA	NA	NA	3.29

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-03 11/13/06	MWW1-03 05/04/07	MWW1-03 11/07/07	MWW1-03 05/07/08	MWW1-03 11/06/08	MWW1-04 02/19/02	MWW1-04 07/17/02	MWW1-04 05/21/03	MWW1-04 11/10/03
VOCs										
1,1,1-Trichloroethane	mg/L	0.005 U [0.005 U]	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
1,1,2,2-Tetrachloroethane	mg/L	0.005 U [0.005 U]	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
1,1,2-Trichloroethane	mg/L	0.005 U [0.005 U]	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
1,1-Dichloroethane	mg/L	0.005 U [0.005 U]	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
1,1-Dichloroethene	mg/L	0.005 U [0.005 U]	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
1,2,4-Trichlorobenzene	mg/L	0.005 U [0.005 U]	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
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.01 U [0.01 U]	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
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.005 U [0.005 U]	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
1,2-Dichlorobenzene	mg/L	0.005 U [0.005 U]	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
1,2-Dichloroethane	mg/L	0.005 U [0.005 U]	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
1,2-Dichloropropane	mg/L	0.005 U [0.005 U]	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
1,3-Dichlorobenzene	mg/L	0.005 U [0.005 U]	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
1,4-Dichlorobenzene	mg/L	0.005 U [0.005 U]	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
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.05 U [0.05 U]	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
2-Hexanone	mg/L	0.05 U [0.05 U]	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
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.05 U [0.05 U]	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
Acetone	mg/L	0.0094 J [0.0092 J]	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
Benzene	mg/L	0.005 U [0.005 U]	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
Bromodichloromethane	mg/L	0.005 U [0.005 U]	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
Bromoform	mg/L	0.005 U [0.005 U]	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
Bromomethane (Methyl Bromide)	mg/L	0.005 UJ [0.005 UJ]	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
Carbon disulfide	mg/L	0.005 U [0.005 U]	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
Carbon tetrachloride	mg/L	0.005 U [0.005 U]	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
Chlorobenzene	mg/L	0.005 U [0.005 U]	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
Chloroethane	mg/L	0.005 U [0.005 U]	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
Chloroform (Trichloromethane)	mg/L	0.005 U [0.005 U]	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
Chloromethane (Methyl Chloride)	mg/L	0.005 U [0.005 U]	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
cis-1,2-Dichloroethene	mg/L	0.005 U [0.005 U]	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
cis-1,3-Dichloropropene	mg/L	0.005 U [0.005 U]	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
Cyclohexane	mg/L	0.005 U [0.005 U]	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
Dibromochloromethane	mg/L	0.005 U [0.005 U]	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
Dichlorodifluoromethane (CFC-12)	mg/L	0.01 U [0.01 U]	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
Ethylbenzene	mg/L	0.005 U [0.005 U]	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
Isopropylbenzene	mg/L	0.005 U [0.005 U]	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
Methyl acetate	mg/L	0.05 U [0.05 U]	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
Methyl cyclohexane	mg/L	0.005 U [0.005 U]	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
Methyl Tert Butyl Ether	mg/L	0.025 U [0.025 U]	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
Methylene chloride	mg/L	0.0047 J [0.0053]	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]
Styrene	mg/L	0.005 U [0.005 U]	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
Tetrachloroethene	mg/L	0.005 U [0.005 U]	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
Toluene	mg/L	0.005 U [0.005 U]	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
Total 1,3 Dichloropropenes	mg/L	0.005 U [0.005 U]	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
trans-1,2-Dichloroethene	mg/L	0.005 U [0.005 U]	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
trans-1,3-Dichloropropene	mg/L	0.005 U [0.005 U]	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
Trichloroethene	mg/L	0.005 U [0.005 U]	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
Trichlorofluoromethane (CFC-11)	mg/L	0.005 U [0.005 U]	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
Trifluorotrichloroethane (Freon 113)	mg/L	0.005 U [0.005 U]	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
Vinyl chloride	mg/L	0.005 U [0.005 U]	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
Xylene (total)	mg/L	0.01 U [0.01 U]	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

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-03 11/13/06	MWW1-03 05/04/07	MWW1-03 11/07/07	MWW1-03 05/07/08	MWW1-03 11/06/08	MWW1-04 02/19/02	MWW1-04 07/17/02	MWW1-04 05/21/03	MWW1-04 11/10/03
SVOCs										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
2,4,5-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
2,4,6-Trichlorophenol	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
2,4-Dichlorophenol	mg/L	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U [0.01 U]	0.01 U	NA	0.01 U	NA
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]	0.011	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 [0.02 U]	0.02 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 UJ [0.005 UJ]	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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [0.005 U]	0.0018 J	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 [0.005 U]	0.005 U [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 [0.02 U]	0.02 U [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 [0.005 U]	0.005 U [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 [0.02 U]	0.02 U [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 [0.02 U]	0.02 U [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 [0.02 U]	0.02 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.01 U]	0.01 U [0.01 U]	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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [0.005 U]	0.021	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 [0.02 U]	0.02 U [0.02 U]	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 [0.02 U]	0.02 U [0.02 U]	0.02 U [0.02 U]	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 [0.005 U]	0.005 U [0.005 U]	0.0024 J	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 [0.005 U]	0.005 U [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 [0.01 U]	0.01 U [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 [0.00021 J]	0.005 U [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.01 U]	0.01 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [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 [0.01 U]	0.01 UJ [0.01 UJ]	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 [0.005 U]	0.005 U [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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	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]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.0041 J	NA
Butyl benzylphthalate	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
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 UJ]	0.01 UJ [0.01 UJ]	0.01 U	NA	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]	0.01 U [0.01 U]	0.0015 J	NA	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 [0.005 U]	0.005 U	NA	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 [0.005 U]	0.005 U	NA	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]	0.005 U [0.005 U]	0.0018 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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	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 [0.005 U]	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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	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]	0.005 U [0.005 U]	0.00099 J	NA	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]	0.005 U [0.005 U]	0.0022 J	NA	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 [0.005 U]	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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	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	NA	0.005 U	NA
Hexachloroethane	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
SVOCs										

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

Sample ID: Sample Depth(): Date Collected:	Units	MWW1-03 11/13/06	MWW1-03 05/04/07	MWW1-03 11/07/07	MWW1-03 05/07/08	MWW1-03 11/06/08	MWW1-04 02/19/02	MWW1-04 07/17/02	MWW1-04 05/21/03	MWW1-04 11/10/03
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
Isophorone	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
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]	0.021	NA	0.005 U	NA
Naphthalene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.0062	NA	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 [0.005 U]	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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	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 [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	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 [0.005 U]	0.005 U	NA	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 [0.005 U]	0.005 U	NA	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]	0.005 U [0.005 U]	0.019	NA	0.005 U	NA
Pyrene	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
CDD/F										
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000047 U [0.0000000048 U]	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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000019 U [0.000000022 U]	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
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000002 U [0.000000002 U]	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
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000034 U [0.0000000031 U]	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	0.00000001 U	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000024 U [0.0000000023 U]	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
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000021 U [0.0000000023 U]	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
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000003 U [0.0000000031 U]	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
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000019 U [0.0000000021 U]	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
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000029 U [0.000000003 U]	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
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000024 U [0.0000000027 U]	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
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000028 U [0.0000000029 U]	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
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000018 U [0.0000000019 U]	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
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000034 U [0.000000004 U]	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
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000022 U [0.0000000024 U]	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
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000018 U [0.0000000019 U]	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
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000014 U [0.0000000015 U]	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
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000013 U [0.0000000013 U]	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
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000024 U [0.0000000023 U]	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
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000034 U [0.0000000031 U]	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
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000024 U [0.0000000027 U]	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
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000003 U [0.0000000031 U]	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
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000018 U [0.0000000019 U]	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
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000013 U [0.000000011 U]	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
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000016 U [0.0000000015 U]	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
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000013 U [0.0000000013 U]	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
2,3,7,8-TCDD Equivalent	mg/L	0.00000000596 U [0.00000000645 U]	0.00000000908 U [0.00000001 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
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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	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
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	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
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	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
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	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

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-03 11/13/06	MWW1-03 05/04/07	MWW1-03 11/07/07	MWW1-03 05/07/08	MWW1-03 11/06/08	MWW1-04 02/19/02	MWW1-04 07/17/02	MWW1-04 05/21/03	MWW1-04 11/10/03
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	0.0002 U [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U [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
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	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	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	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]	0.0002 U [0.0002 U]	0.00064	0.00051	0.0013	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	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	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]	0.0016 U [0.0016 U]	0.00114	0.00101	0.0018	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]	0.0004 U [0.0004 U]	0.00064	0.00051	0.0013	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	0.025 U [0.025 U]	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
Arsenic	mg/L	0.002 [0.0017 J]	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
Barium	mg/L	0.219 [0.214]	0.335 [0.339]	0.0969 [0.095]	0.24 [0.249]	0.0961 [0.0939]	0.0939	NA	0.035	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 [0.001 U]	0.001 U [0.001 U]	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 [0.005 U]	0.0012 J [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	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]	0.0045 J [0.01 U]	0.01 U [0.01 U]	0.002 J	NA	0.0305	NA
Cobalt	mg/L	0.02 U [0.02 U]	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
Copper	mg/L	0.005 U [0.005 U]	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
Cyanide (total)	mg/L	0.01 [0.0058 J]	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
Lead	mg/L	0.003 U [0.003 U]	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
Manganese	mg/L	0.741 [0.724]	1.13 [1.13]	0.425 [0.434]	0.324 [0.296]	1.05 [1.03]	0.0016 J	NA	0.0013 J	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 [0.0002 U]	0.0002 U [0.0002 U]	0.0002 U	NA	0.0002 U	NA
Nickel	mg/L	0.02 U [0.02 U]	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
Selenium	mg/L	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U [0.005 U]	0.005 U	NA	0.005 U	NA
Silver	mg/L	0.005 U [0.005 U]	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
Sodium	mg/L	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	NA	0.001 U	NA
Vanadium	mg/L	0.01 U [0.01 U]	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
Zinc	mg/L	0.02 U [0.02 U]	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

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

Sample ID: Sample Depth(): Date Collected:	Units	MWW1-03 11/13/06	MWW1-03 05/04/07	MWW1-03 11/07/07	MWW1-03 05/07/08	MWW1-03 11/06/08	MWW1-04 02/19/02	MWW1-04 07/17/02	MWW1-04 05/21/03	MWW1-04 11/10/03
Inorganics-Filtered										
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0065 J	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0951	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0022 J	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0056	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.000088 J	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0071 J	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.0245	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	0.02 U	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	4.18	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	6,340	2.71	4.27	1.412	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.14	0.32	3.08	1.63	0.16	NA	NA	NA	NA
ORP, Field	millivolts	-153	-118	-78	-54	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	6.91	7.44	6.81	7.04	7.06	NA	NA	NA	NA
Temperature	Deg C	10.38	13.63	13.16	15.62	12.08	NA	NA	NA	NA
Temperature, Ambient	Deg F	40	NA	40	65	60	NA	NA	NA	NA
Turbidity (Field)	NTU	4.6	4.22	4.8	NA	1.41	NA	NA	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 12/17/03	MWW1-04 05/06/04	MWW1-04 05/19/04	MWW1-04 10/27/04	MWW1-04 05/11/05	MWW1-04 11/02/05	MWW1-04 02/08/06	MWW1-04 05/17/06	MWW1-04 08/15/06	MWW1-04 11/13/06	MWW1-04 01/10/07	MWW1-04 03/22/07	MWW1-04 05/03/07	MWW1-04 10/08/07
VOCs															
1,1,1-Trichloroethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,1-Dichloroethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,1-Dichloroethene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.0017 U	0.00095 J	NA	0.00025 J	NA	0.00062 J	NA	NA	0.0013 J	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.004 U	NA	0.002 UJ	0.002 U	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	0.002 UJ	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,2-Dichlorobenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,2-Dichloroethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,2-Dichloropropane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,3-Dichlorobenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
1,4-Dichlorobenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.00093 J	NA	0.01 U	0.01 U	0.0021 J	NA	0.01 U	NA	0.0016 J	NA	NA	0.00084 J	NA
2-Hexanone	mg/L	0.01 U	0.02 UJ	NA	0.01 UJ	0.01 U	0.00083 J	NA	0.01 U	NA	0.01 U	NA	NA	0.01 U	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.02 U	NA	0.00057 J	0.01 U	0.00053 J	NA	0.01 U	NA	0.00036 J	NA	NA	0.01 U	NA
Acetone	mg/L	0.006 J	0.0071 J	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 UJ	NA	NA	0.0037 J	NA
Benzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Bromodichloromethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Bromoform	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 UJ	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Carbon disulfide	mg/L	0.001 U	0.002 U	NA	0.001 U	0.00036 J	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Carbon tetrachloride	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Chlorobenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Chloroethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.002 U	NA	0.0002 J	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
cis-1,3-Dichloropropene	mg/L	0.001 U	0.02 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Cyclohexane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Dibromochloromethane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 UJ	0.004 U	NA	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 UJ	NA	NA	0.002 U	NA
Ethylbenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Isopropylbenzene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Methyl acetate	mg/L	0.01 U	0.02 U	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	0.01 U	NA
Methyl cyclohexane	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Methyl Tert Butyl Ether	mg/L	0.005 U	0.01 U	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	0.005 U	NA
Methylene chloride	mg/L	0.001 U	0.002 UJ	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Styrene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Tetrachloroethene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Toluene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.02 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
trans-1,3-Dichloropropene	mg/L	0.001 U	0.002 U	NA	0.001 UJ	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Trichloroethene	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Trichlorofluoromethane (CFC-11)	mg/L	0.0019	0.0012 J	NA	0.001 U	0.00041 J	0.002	NA	0.00028 J	NA	0.0011	NA	NA	0.0008 J	NA
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Vinyl chloride	mg/L	0.001 U	0.002 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Xylene (total)	mg/L	0.001 U	0.002 U	NA	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	0.002 U	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 12/17/03	MWW1-04 05/06/04	MWW1-04 05/19/04	MWW1-04 10/27/04	MWW1-04 05/11/05	MWW1-04 11/02/05	MWW1-04 02/08/06	MWW1-04 05/17/06	MWW1-04 08/15/06	MWW1-04 11/13/06	MWW1-04 01/10/07	MWW1-04 03/22/07	MWW1-04 05/03/07	MWW1-04 10/08/07
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.04 U	NA	NA	0.01 U	NA
2,4-Dimethylphenol	mg/L	0.0011 J	0.0019 J	NA	0.005 U	0.0052	0.0046 J	0.0012 J	0.0017 J	NA	0.0023 J	NA	NA	0.00057 J	NA
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	NA	0.08 U	NA	NA	0.02 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.0024 J	0.0017 J	0.005 U	0.00068 J	NA	0.02 U	NA	NA	0.00024 J	NA
2-Methylphenol	mg/L	0.005 U	0.005 U	NA	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
2-Nitroaniline	mg/L	0.02 U	R	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	R	NA	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
3-Nitroaniline	mg/L	0.02 U	R	NA	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
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	NA	0.08 U	NA	NA	0.02 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.04 U	NA	NA	0.01 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
4-Methylphenol	mg/L	0.0018 J	0.0065	NA	0.01	0.0053	0.005	0.0011 J	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA
4-Nitroaniline	mg/L	0.02 U	R	NA	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
4-Nitrophenol	mg/L	0.02 U	0.02 U	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.08 U	NA	NA	0.02 U	NA
Acenaphthene	mg/L	0.00077 J	0.005 U	NA	0.005 U	0.0021 J	0.0012 J	0.005 U	0.00066 J	NA	0.02 U	NA	NA	0.00029 J	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.04 U	NA	NA	0.01 U	NA
Anthracene	mg/L	0.005 U	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.04 U	NA	NA	0.01 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA
Biphenyl	mg/L	0.01 U	0.01 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.00047 J	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
Caprolactam	mg/L	0.01 U	0.01 U	NA	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
Carbazole	mg/L	0.0012 J	0.01 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	NA	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
Dibenzofuran	mg/L	0.005 U	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
Fluoranthene	mg/L	0.005 U	0.005 U	NA	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
Fluorene	mg/L	0.005 U	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	R	R	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
SVOCs															

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 12/17/03	MWW1-04 05/06/04	MWW1-04 05/19/04	MWW1-04 10/27/04	MWW1-04 05/11/05	MWW1-04 11/02/05	MWW1-04 02/08/06	MWW1-04 05/17/06	MWW1-04 08/15/06	MWW1-04 11/13/06	MWW1-04 01/10/07	MWW1-04 03/22/07	MWW1-04 05/03/07	MWW1-04 10/08/07
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	NA	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
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	NA	0.02 U	NA	NA	0.005 U	NA
Methylphenol (Cresol)	mg/L	0.0018 J	0.0065	NA	0.01	0.0053	0.00543 J	0.0011 J	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA
Naphthalene	mg/L	0.0029 J	0.005 U	NA	0.0057	0.0063	0.0057	0.001 J	0.0023 J	NA	0.02 U	NA	NA	0.00069 J	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
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	NA	0.02 U	NA	NA	0.005 U	NA
Pentachlorophenol	mg/L	0.005 U	0.005 U	NA	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
Phenanthrene	mg/L	0.0007 J	0.005 U	NA	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
Phenol	mg/L	0.005 U	0.016	NA	0.0066	0.0098	0.005 U	0.005 U	0.005 U	NA	0.02 U	NA	NA	0.005 U	NA
Pyrene	mg/L	0.00063 J	0.005 U	NA	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
CDD/F															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.0000000012 U	0.0000000073 U	NA	0.0000000018 U	0.0000000028 U	0.000000013 U	NA	0.000000012 U	00041 U [0.00000	0.0000000058 U	NA	NA	0.000000013 U	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.0000000078 U	0.000000007 U	NA	0.0000000045 U	0.000000017 U	0.000000037 U	NA	0.000000049 U	00081 U [0.00000	0.000000021 U	NA	NA	0.000000036 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000006 U	0.000000004 U	NA	0.00000000077 U	0.0000000017 U	0.0000000048 U	NA	0.00000002 U	00029 U [0.00000	0.0000000015 U	NA	NA	0.0000000052 U	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.00000000069 U	0.000000006 U	NA	0.00000000067 U	0.000000003 U	0.0000000084 U	NA	0.00000002 U	0003 U [0.000000	0.000000003 U	NA	NA	0.0000000086 U	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.00000000042 U	0.0000000045 U	NA	0.00000000045 U	0.000000001 U	0.0000000061 U	NA	0.0000000057 U	00035 U [0.00000	0.0000000018 U	NA	NA	0.000000006 U	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000037 U	0.0000000069 U	NA	0.0000000012 U	0.0000000021 U	0.000000006 U	NA	0.0000000073 U	00056 U [0.00000	0.0000000017 U	NA	NA	0.000000004 U	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000006 U	0.00000001 U	NA	0.00000000099 U	0.0000000002 U	0.0000000091 U	NA	0.0000000085 U	0004 U [0.000000	0.0000000019 U	NA	NA	0.0000000062 U	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000037 U	0.0000000068 U	NA	0.00000000059 U	0.000000002 U	0.0000000053 U	NA	0.0000000067 U	00053 U [0.00000	0.0000000016 U	NA	NA	0.0000000038 U	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000064 U	0.00000001 U	NA	0.00000000076 U	0.0000000018 U	0.000000007 U	NA	0.0000000078 U	00037 U [0.00000	0.0000000018 U	NA	NA	0.0000000061 U	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.00000000043 U	0.0000000091 U	NA	0.00000000086 U	0.0000000024 U	0.0000000082 U	NA	0.0000000076 U	00063 U [0.00000	0.000000002 U	NA	NA	0.0000000044 U	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.00000000057 U	0.00000001 U	NA	0.0000000008 U	0.0000000018 U	0.000000008 U	NA	0.0000000076 U	00036 U [0.00000	0.0000000017 U	NA	NA	0.0000000058 U	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000007 U	0.0000000055 U	NA	0.000000002 U	0.0000000013 U	0.0000000056 U	NA	0.0000000095 U	0004 U [0.000000	0.0000000019 U	NA	NA	0.0000000065 U	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000000083 U	0.0000000072 U	NA	0.0000000012 U	0.0000000017 U	0.0000000083 U	NA	0.000000015 U	00048 U [0.00000	0.0000000031 U	NA	NA	0.0000000092 U	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000004 U	0.0000000078 U	NA	0.00000000066 U	0.0000000022 U	0.0000000067 U	NA	0.0000000074 U	00058 U [0.00000	0.0000000018 U	NA	NA	0.0000000043 U	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000025 U	0.000000011 U	NA	0.0000000061 U	0.0000000013 U	0.0000000057 U	NA	0.0000000092 U	00068 U [0.00000	0.0000000019 U	NA	NA	0.0000000066 U	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000019	0.000000063 CON	NA	0.000000037	0.0000000049 U	0.00000000083 J	NA	0.00000001 J	0000033 [0.00000	0.0000000017 U	NA	NA	0.000000015	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.00000000053 U	0.0000000041 U	NA	0.00000000075 U	0.00000000093 U	0.0000000046 U	NA	0.000000009 UJ	00021 U [0.00000	0.0000000012 U	NA	NA	0.0000000065 U	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	0.00000000077 U	0.0000000017 U	0.0000000061 U	NA	0.00000002 U	00035 U [0.00000	0.0000000018 U	NA	NA	0.000000006 U	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	0.00000000067 U	0.000000003 U	0.0000000084 U	NA	0.00000002 U	0003 U [0.000000	0.000000003 U	NA	NA	0.0000000086 U	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	0.0000000012 U	0.0000000024 U	0.0000000082 U	NA	0.0000000077 U	00063 U [0.00000	0.000000002 U	NA	NA	0.0000000044 U	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	0.00000000099 U	0.000000002 U	0.0000000091 U	NA	0.0000000085 U	0004 U [0.000000	0.0000000019 U	NA	NA	0.0000000062 U	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	0.00000002 U	0.0000000016 U	0.0000000067 U	NA	0.0000000095 U	00021 U [0.00000	0.0000000019 U	NA	NA	0.000000011 U	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	0.0000000012 U	0.0000000017 U	0.0000000083 U	NA	0.000000015 U	00048 U [0.00000	0.000000005 U	NA	NA	0.0000000092 U	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	0.00000031 J	0.0000000058 J	0.000000059 J	NA	0.000000086	0000033 [0.00000	0.0000000018 U	NA	NA	0.00000014 J	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	0.00000000075 U	0.00000000093 U	0.0000000046 U	NA	0.000000009 U	00021 U [0.00000	0.0000000013 U	NA	NA	0.0000000065 U	NA
2,3,7,8-TCDD Equivalent	mg/L	0.0000000032	0.0000000161	NA	0.00000000626	0.00000000449 U	0.00000000941	NA	0.0000000147	0000912 [0.00000	0.0000000053 U	NA	NA	0.0000000107	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	0.0000000075 U	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	0.00000006 J	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	0.000000006 U	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	0.000000027 J	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	0.0000000037 U	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000058 U	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	0.0000000041 U	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000055 U	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	0.0000000038 U	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000065 U	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	0.0000000037 U	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000042 U	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	0.0000000059 U	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000006 U	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000042 U	NA	NA	NA	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 12/17/03	MWW1-04 05/06/04	MWW1-04 05/19/04	MWW1-04 10/27/04	MWW1-04 05/11/05	MWW1-04 11/02/05	MWW1-04 02/08/06	MWW1-04 05/17/06	MWW1-04 08/15/06	MWW1-04 11/13/06	MWW1-04 01/10/07	MWW1-04 03/22/07	MWW1-04 05/03/07	MWW1-04 10/08/07
CDD/F-Filtered															
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000046 U	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000024 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000006 U	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000027 J	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000065 U	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000000021 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000048 U	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000059 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000046 U	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0000000024 U	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	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	NA	NA	0.0004 U	NA
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.00055	0.00036	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1248 (PCB-1248)	mg/L	0.00088	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	0.00044	NA	0.00068	NA	NA	0.0004	NA
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	NA	0.0002 U	NA	NA	0.0002 U	NA
Total PCBs-Realm/Encore	mg/L	0.00138	0.0016 U	NA	0.0016 U	0.00105	0.00086	NA	0.00094	NA	0.00118	NA	NA	0.0009	NA
Total PCBs	mg/L	0.00088	0.0004 U	NA	0.0004 U	0.00055	0.00036	NA	0.00044	NA	0.00068	NA	NA	0.0004	NA
Pests/PCBs-Filtered															
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	mg/L	0.0073 J	0.0044 J	0.009 J	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
Arsenic	mg/L	0.0046 J	0.0051 J	0.0033 J	0.0075 J	0.0066 J	0.007 J	0.0063 J	0.0072	NA	0.0049	NA	NA	0.0056	NA
Barium	mg/L	0.0331	0.0583	0.0361 U	0.039	0.128	0.0396	0.0265	0.0218	NA	0.0355	NA	NA	0.0271	NA
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	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
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	0.005 U	NA	NA	0.005 U	NA
Chromium (Total)	mg/L	0.0058 J	0.0239	0.0424	0.01 U	0.0101	0.01 U	0.0378	0.018	NA	0.01 U	NA	NA	0.0266	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	0.02 U	NA	0.02 U	NA	NA	0.02 U	NA
Copper	mg/L	0.0161 U	0.02	0.0173	0.0035 J	0.0067 U	0.006	0.0219 U	0.0099	NA	0.0149	NA	NA	0.0154	NA
Cyanide (total)	mg/L	0.0127	0.0172	NA	0.018	0.028	0.0031 J	NA	0.015	NA	0.034	NA	NA	0.0085 J	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	NA	0.003 U	NA
Manganese	mg/L	0.01 U	0.01 U	0.0017 J	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
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	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
Nickel	mg/L	0.0032 J	0.0036 J	0.0031 J	NA	0.02 U	0.0026 J	0.02 U	0.02 U	NA	0.02 U	NA	NA	0.0017 J	NA
Selenium	mg/L	0.005 U	0.005	0.005 U	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
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	NA	0.005 U	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.000031 J	0.001 U	NA	0.001 U	NA	NA	0.001 U	NA
Vanadium	mg/L	0.0239	0.036	0.049	0.0175	0.0248	0.0295	0.0544	0.0399	NA	0.0575	NA	NA	0.0541	NA
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	NA	NA	0.02 U	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 12/17/03	MWW1-04 05/06/04	MWW1-04 05/19/04	MWW1-04 10/27/04	MWW1-04 05/11/05	MWW1-04 11/02/05	MWW1-04 02/08/06	MWW1-04 05/17/06	MWW1-04 08/15/06	MWW1-04 11/13/06	MWW1-04 01/10/07	MWW1-04 03/22/07	MWW1-04 05/03/07	MWW1-04 10/08/07
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	NA	NA	0.0082 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	0.0049 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	0.0353 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	0.0377	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	0.0012 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	0.0152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	0.0015 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	0.0479	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.5 J	11.5 J [11.5 J]	NA	10.9 J
Field Parameters															
Conductivity Field	mS/cm	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.261	NA	0.899	NA	NA
Conductivity Field	umhos/cm	1.08	NA	1.31	NA	NA	NA	1.183	1.06	1.404	NA	0.923	NA	994	1.478
Dissolved Oxygen	mg/L	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	2.14	2.33	0.15	0.65	2.58	3.18	1.4	0.03
ORP, Field	millivolts	NA	NA	NA	NA	NA	NA	-120	147	-108	124	-37	-173	193	-219
pH Field	pH Units	NA	NA	NA	11.64	11.71	11.26	NA	10.7	NA	NA	NA	NA	NA	NA
pH Field	s.u.	12.02	NA	11.4	NA	NA	NA	12.01	10.7	11.61	8.03	11.44	13.17	10.74	10.87
Temperature	Deg C	9.59	NA	15.4	NA	NA	NA	7.05	10.39	17.97	14.09	8.57	10.19	9.87	19.58
Temperature, Ambient	Deg F	NA	NA	NA	NA	NA	NA	30	60	65	40	30	55	NA	85
Turbidity (Field)	NTU	3.35	NA	1.4	NA	NA	NA	3.63	3.17	1.37	3.75	10.4	4.96	4.21	3.11

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 11/09/07	MWW1-04 11/14/07	MWW1-04 05/08/08	MWW1-04 08/26/08	MWW1-04 11/05/08	MWW1-04 12/15/09	MWW1-04 09/25/11	MWW1-06 11/13/02	MWW1-06 05/21/03	MWW1-06 12/10/03	MWW1-06 05/06/04	MWW1-06 05/25/04	MWW1-06 10/27/04	MWW1-06 05/11/05
VOCs															
1,1,1-Trichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	NA	0.002 U	NA	0.002 U	NA	NA	NA	0.002 U	0.002 U	0.002 U	NA	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.0018 J	NA	0.01 U	NA	0.0015 J	NA	NA	NA	0.01 U	0.01 UJ	0.01 UJ	NA	0.01 U	0.01 U
2-Hexanone	mg/L	0.01 U	NA	0.01 U	NA	0.01 UJ	NA	NA	NA	0.01 U	0.01 U	0.01 UJ	NA	0.01 UJ	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.00062 J	NA	0.01 U	NA	0.00034 J	NA	NA	NA	0.01 U	0.01 U	R	NA	0.01 U	0.01 U
Acetone	mg/L	0.013 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.0039 J	NA	0.01 U	0.01 U
Benzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ
Carbon disulfide	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U	NA	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	NA	0.001 UJ	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	NA	0.002 U	NA	0.002 UJ	NA	NA	NA	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 U
Ethylbenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	NA	0.001 U	NA	0.001 UJ	NA	NA	NA	0.001 U	0.001 UJ	0.001 UJ	NA	0.001 U	0.001 U
Styrene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	R	0.001 U	NA	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Toluene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.01 U	NA	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.0005 U	0.0005 U	0.0005 U	NA	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.01 U	NA	0.001 UJ	0.001 U
Trichloroethene	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	NA	0.00079 J	NA	0.00092 J	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	NA	0.002 UJ	NA	0.002 U	NA	NA	NA	0.001 U	0.001 U	0.001 U	NA	0.002 U	0.002 U

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 11/09/07	MWW1-04 11/14/07	MWW1-04 05/08/08	MWW1-04 08/26/08	MWW1-04 11/05/08	MWW1-04 12/15/09	MWW1-04 09/25/11	MWW1-06 11/13/02	MWW1-06 05/21/03	MWW1-06 12/10/03	MWW1-06 05/06/04	MWW1-06 05/25/04	MWW1-06 10/27/04	MWW1-06 05/11/05
SVOCs															
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4,5-Trichlorophenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4,6-Trichlorophenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4-Dichlorophenol	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.007	NA	0.0014 J	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,4-Dinitrophenol	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U
2,4-Dinitrotoluene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2,6-Dinitrotoluene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Chloronaphthalene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Chlorophenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Methylnaphthalene	mg/L	0.0023 J	NA	0.00085 J	NA	0.0019 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Methylphenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
2-Nitroaniline	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U
2-Nitrophenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
3,3'-Dichlorobenzidine	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U
3-Nitroaniline	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U
4-Bromophenyl phenyl ether	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Chloro-3-methylphenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Chloroaniline	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Methylphenol	mg/L	0.0066	NA	0.0013 J	NA	0.0034 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
4-Nitroaniline	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	R	NA	0.02 U	0.02 U
4-Nitrophenol	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U
Acenaphthene	mg/L	0.0012 J	NA	0.00076 J	NA	0.0014 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Acenaphthylene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Acetophenone	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
Anthracene	mg/L	0.00035 J	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Atrazine	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzaldehyde	mg/L	0.0013 J	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(a)pyrene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(b)fluoranthene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(g,h,i)perylene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Benzo(k)fluoranthene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Biphenyl	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
bis(2-Chloroethyl)ether	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.0021 J	0.006 U	NA	0.005 U	0.005 U
Butyl benzylphthalate	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Caprolactam	mg/L	0.01 U	NA	0.01 U	NA	0.01 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
Carbazole	mg/L	0.0021 J	NA	0.00062 J	NA	0.002 J	NA	NA	NA	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U
Chrysene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dibenz(a,h)anthracene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dibenzofuran	mg/L	0.0013 J	NA	0.005 U	NA	0.00075 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Diethyl phthalate	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Dimethyl phthalate	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Di-n-butylphthalate	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Di-n-octyl phthalate	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Fluoranthene	mg/L	0.00025 J	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Fluorene	mg/L	0.00052 J	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorobenzene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorobutadiene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	0.005 UJ	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	R	R	NA	0.005 U	0.005 UJ
Hexachloroethane	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
SVOCs															

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 11/09/07	MWW1-04 11/14/07	MWW1-04 05/08/08	MWW1-04 08/26/08	MWW1-04 11/05/08	MWW1-04 12/15/09	MWW1-04 09/25/11	MWW1-06 11/13/02	MWW1-06 05/21/03	MWW1-06 12/10/03	MWW1-06 05/06/04	MWW1-06 05/25/04	MWW1-06 10/27/04	MWW1-06 05/11/05
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Isophorone	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Methylphenol (Cresol)	mg/L	0.0066	NA	0.0013 J	NA	0.0034 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Naphthalene	mg/L	0.0071	NA	0.0027 J	NA	0.0041 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Nitrobenzene	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
N-Nitrosodiphenylamine	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Pentachlorophenol	mg/L	0.0017 J	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Phenanthrene	mg/L	0.0018 J	NA	0.00035 J	NA	0.0016 J	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Phenol	mg/L	0.005 U	NA	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U
Pyrene	mg/L	0.00055 J	NA	0.005 U	NA	0.00058 J	NA	NA	NA	0.005 U	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	0.000000015 U	NA	0.000000012 U	0.0000000043 U	0.000000001 U	NA	NA	NA	0.0000000074 U	0.0000000088 U	0.0000000082 U	NA	0.0000000016 U	0.0000000016 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000011 U	NA	0.000000013 U	0.000000006 U	0.0000000042 U	NA	NA	NA	0.00000001 U	0.00000001 U	0.000000013 U	NA	0.0000000033 U	0.0000000086 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000063 U	NA	0.0000000098 U	0.0000000022 U	0.00000000056 U	NA	NA	NA	0.0000000046 U	0.0000000029 U	0.0000000051 U	NA	0.00000000071 U	0.00000000081 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000091 U	NA	0.0000000081 U	0.0000000017 U	0.00000000069 U	NA	NA	NA	0.0000000048 U	0.0000000051 U	0.0000000057 U	NA	0.00000000086 U	0.0000000011 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000061 U	NA	0.000000012 U	0.0000000026 U	0.00000000029 U	NA	NA	NA	0.0000000019 U	0.0000000034 U	0.0000000058 U	NA	0.00000000051 U	0.0000000011 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000062 U	NA	0.0000000044 U	0.0000000011 U	0.00000000027 U	NA	NA	NA	0.0000000023 U	0.0000000045 U	0.000000016 U	NA	0.00000000083 U	0.0000000018 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000011 U	NA	0.0000000054 U	0.0000000022 U	0.0000000049 U	NA	NA	NA	0.000000003 U	0.0000000052 U	0.000000015 U	NA	0.0000000012 U	0.0000000017 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000006 U	NA	0.0000000042 U	0.00000000071 U	0.00000000043 U	NA	NA	NA	0.0000000015 U	0.0000000041 U	0.000000016 U	NA	0.00000000051 U	0.0000000017 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000012 U	NA	0.0000000051 U	0.0000000017 U	0.00000000035 U	NA	NA	NA	0.000000003 U	0.0000000049 U	0.000000015 U	NA	0.00000000094 U	0.0000000015 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000064 U	NA	0.0000000046 U	0.00000000097 U	0.00000000047 U	NA	NA	NA	0.0000000018 U	0.0000000048 U	0.000000022 U	NA	0.00000000065 U	0.0000000021 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000009 U	NA	0.0000000049 U	0.0000000017 U	0.00000000036 U	NA	NA	NA	0.0000000028 U	0.0000000048 U	0.000000015 U	NA	0.00000000098 U	0.0000000015 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000062 U	NA	0.0000000064 U	0.0000000015 U	0.0000000057 U	NA	NA	NA	0.000000002 U	0.0000000036 U	0.0000000078 U	NA	0.0000000092 U	0.0000000012 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000001 U	NA	0.0000000098 U	0.0000000026 U	0.0000000009 U	NA	NA	NA	0.0000000033 U	0.0000000058 U	0.0000000088 U	NA	0.0000000015 U	0.0000000018 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000064 U	NA	0.0000000043 U	0.00000000082 U	0.00000000071 U	NA	NA	NA	0.0000000017 U	0.0000000044 U	0.000000019 U	NA	0.00000000058 U	0.0000000019 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000064 U	NA	0.000000013 U	0.0000000067 U	0.0000000016 U	NA	NA	NA	0.000000002 U	0.0000000035 U	0.0000000078 U	NA	0.00000000089 U	0.0000000011 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000004 U	NA	0.000000062	0.000000045	0.000000011	NA	NA	NA	0.0000000017 U	0.0000000027 U	0.0000000043 U	NA	0.0000000018 U	0.000000001 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000069 U	NA	0.0000000048 U	0.0000000016 U	0.00000000047 U	NA	NA	NA	0.0000000017 U	0.0000000038 U	0.0000000055 U	NA	0.00000000068 U	0.0000000009 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000063 U	NA	0.000000011 U	0.0000000026 U	0.00000000056 U	NA	NA	NA	NA	NA	NA	NA	0.00000000071 U	0.0000000011 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000091 U	NA	0.0000000081 U	0.0000000017 U	0.00000000075 U	NA	NA	NA	NA	NA	NA	NA	0.00000000086 U	0.0000000016 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000064 U	NA	0.0000000046 U	0.0000000018 U	0.00000000071 U	NA	NA	NA	NA	NA	NA	NA	0.00000000083 U	0.0000000021 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000012 U	NA	0.0000000054 U	0.0000000022 U	0.0000000005 U	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.0000000017 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000064 U	NA	0.000000056 J	0.000000018 U	0.0000000035 U	NA	NA	NA	NA	NA	NA	NA	0.0000000015 U	0.0000000014 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.00000001 U	NA	0.0000000098 U	0.0000000026 U	0.0000000009 U	NA	NA	NA	NA	NA	NA	NA	0.0000000015 U	0.0000000018 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.000000004 U	NA	0.00000077 J	0.00000035	0.000000078	NA	NA	NA	NA	NA	NA	NA	0.0000000018 U	0.000000001 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000069 U	NA	0.0000000048 U	0.0000000016 U	0.00000000047 U	NA	NA	NA	NA	NA	NA	NA	0.00000000099 U	0.0000000009 U
2,3,7,8-TCDD Equivalent	mg/L	0.0000000218 U	NA	0.0000000163	0.00000000816	0.00000000214	NA	NA	NA	0.00000000636 U	0.0000000123 U	0.0000000266 U	NA	0.0000000027 U	0.00000000377 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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 11/09/07	MWW1-04 11/14/07	MWW1-04 05/08/08	MWW1-04 08/26/08	MWW1-04 11/05/08	MWW1-04 12/15/09	MWW1-04 09/25/11	MWW1-06 11/13/02	MWW1-06 05/21/03	MWW1-06 12/10/03	MWW1-06 05/06/04	MWW1-06 05/25/04	MWW1-06 10/27/04	MWW1-06 05/11/05
CDD/F-Filtered															
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	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	NA	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	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	NA	0.0004 U	NA	0.0004 U	0.0002 U [0.0002 U]	0.0002 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	0.00038	NA	0.0002 U	NA	0.00055 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	NA	0.00013 J	NA	0.0002 U	0.00019 J [0.00033]	0.0003	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	NA	0.0002 U	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	NA	0.00013 J	NA	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	NA	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	0.00088	NA	0.00066	NA	0.00195 U	0.00059 [0.00073]	NA	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U
Total PCBs	mg/L	0.00038	NA	0.00026 J	NA	0.00055 U	0.00019 J [0.00033]	NA	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
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics															
Antimony	mg/L	0.0069 J	NA	0.025 U	NA	0.025 U	0.006 J [0.0072 J]	0.0046	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.0088	NA	0.0039	NA	0.0052	NA	NA	NA	0.0046 J	0.003 J	0.0049 J	0.01 U	0.0046 J	0.0073 J
Barium	mg/L	0.0342	NA	0.0277	NA	0.0394 U	NA	NA	NA	0.082	0.0664	0.0811	0.0302	0.0994	0.054
Beryllium	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	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	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.0004 J	0.005 U	0.005 U	0.005 U	0.005 U
Chromium (Total)	mg/L	0.0647	NA	0.0048 J	NA	0.0099 J	NA	NA	NA	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	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper	mg/L	0.0098	NA	0.005 U	NA	0.0096	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide (total)	mg/L	0.0079 J	NA	0.013	NA	0.025	NA	NA	NA	0.004 J	0.01 U	0.01 U	NA	0.01 U	0.01 U
Lead	mg/L	0.003 U	NA	0.003 U	NA	0.003 U	NA	NA	NA	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	0.01 U	NA	0.01 U	NA	NA	NA	0.418	0.291	0.502 U	0.0305 U	0.531	0.324
Mercury	mg/L	0.0002 U	NA	0.00029 U	NA	0.0002 U	NA	NA	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0351	NA	0.02 U	NA	0.02 U	NA	NA	NA	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	0.005 U	NA	0.005 U	NA	NA	NA	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	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	NA	0.001 U	NA	0.001 U	NA	NA	NA	0.001 U	0.000026 J	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.0253	NA	0.0227	NA	0.039	0.0616 [0.0609]	0.0025	NA	0.00084 J	0.01 U	0.00092 J	0.01 U	0.0014 J	0.0017 J
Zinc	mg/L	0.02 U	NA	0.02 U	NA	0.02 U	NA	NA	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-04 11/09/07	MWW1-04 11/14/07	MWW1-04 05/08/08	MWW1-04 08/26/08	MWW1-04 11/05/08	MWW1-04 12/15/09	MWW1-04 09/25/11	MWW1-06 11/13/02	MWW1-06 05/21/03	MWW1-06 12/10/03	MWW1-06 05/06/04	MWW1-06 05/25/04	MWW1-06 10/27/04	MWW1-06 05/11/05
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0294	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
Miscellaneous															
pH (water)	none	NA	11.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	1.463	NA	NA	NA	NA	1.097	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	1.52	NA	1.134	1.322	1.272	1.027 [1.027]	NA	NA	NA	1.284	NA	0.71	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	0.31	0.16	0.14	0.3	0.51	2.89 [2.89]	0.2	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	-209	28	-276	152	NA	-121 [-121]	-176.4	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	6.99
pH Field	s.u.	11.38	11.79	12.35	10.96	12.26	11.44 [11.44]	11.77	NA	NA	7.01	NA	7.2	NA	NA
Temperature	Deg C	15.45	15.79	10.62	17.65	16.95	10.51 [10.51]	18.61	NA	NA	10	NA	11.6	NA	NA
Temperature, Ambient	Deg F	45	50	55	80	60	25 [25]	70	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	2	3.4	NA	1.01	1.05	4.27 [4.27]	0.99	NA	NA	17.4	NA	4.9	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-06 11/03/05	MWW1-06 05/18/06	MWW1-06 11/14/06	MWW1-06 05/02/07	MWW1-06 11/08/07	MWW1-06 05/08/08	MWW1-06 05/30/08	MWW1-06 11/05/08	MWW5-01 09/14/01	MWW5-01 01/09/02	MWW5-01 11/13/06	MWW9-01 08/25/03	MWW9-01 12/17/03	MWW9-01 05/24/04
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	0.01 U	0.0003 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.0005 U	0.001 U	NA	0.001 UJ	0.001 U	NA
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.0006 U	0.001 U	NA	0.001 U	0.001 U	NA
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	NA	0.01 U	0.03	0.02	NA	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 U	0.001 U	NA	0.01 U	0.00078 J	0.001 U	NA	0.001 U	0.001 U	NA
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 UJ	0.001 U	0.001 U	NA	0.01 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 UJ	0.002 U	0.002 U	NA	0.02 U	0.0012 U	0.002 U	NA	0.002 U	0.002 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00044 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00022 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00042 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00034 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.0003 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00034 U	0.001 U	NA	0.001 U	0.001 U	NA
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.00064 J	NA	0.1 U	0.00082 U	0.01 U	NA	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 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
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	NA	0.1 UJ	0.00046 U	0.0005 J	NA	0.01 U	0.01 U	NA
Acetone	mg/L	0.01 U	0.01 UJ	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.1 U	0.001 U	0.01 U	NA	0.01 U	0.0009 J	NA
Benzene	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00032 U	0.00035 J	NA	0.001 U	0.001 U	NA
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U	0.00034 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00036 U	0.001 U	NA	0.001 U	0.001 U	NA
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U	0.0004 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.0004 U	0.001 U	NA	0.001 U	0.001 U	NA
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00028 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.05	0.036	NA	0.001 U	0.001 U	NA
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U	0.0018 J	0.001 U	NA	0.001 U	0.001 U	NA
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.00043 J	0.001 U	NA	0.01 U	0.00026 U	0.001 U	NA	0.001 U	0.001 U	NA
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00044 U	0.00032 J	NA	0.0005 U	0.0005 U	NA
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 UJ	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U	0.00026 U	0.001 U	NA	0.001 U	0.001 U	NA
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 UJ	NA	0.01 U	0.00052 U	0.001 U	NA	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 U	0.002 U	NA	0.02 UJ	0.00052 U	0.002 U	NA	0.002 UJ	0.002 UJ	NA
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00024 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00024 U	0.001 U	NA	0.001 U	0.001 U	NA
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 UJ [0.01 UJ]	0.01 U	0.01 U	0.01 U	NA	0.1 U	0.00082 U	0.01 U	NA	0.01 U	0.01 U	NA
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.0003 U	0.001 U	NA	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 U	0.005 U	NA	0.05 U	0.00026 U	0.005 U	NA	0.005 U	0.005 U	NA
Methylene chloride	mg/L	0.001 UJ	0.001 U	0.001 UJ [0.001 UJ]	0.001 U	0.001 U	0.001 U	NA	0.01 UJ	0.00077 J	0.001 U	NA	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	0.001 U	0.001 U	NA	0.01 U	0.0003 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00046 U	0.001 U	NA	0.001 U	0.001 U	NA
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	0.01 U	0.00058 J	0.00026 J	NA	0.001 U	0.0012	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	NA	0.01 U	0.00054 U	0.001 U	NA	0.001 U	0.001 U	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.0003 U	0.0005 U	NA	0.0005 U	0.0005 U	NA
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00054 U	0.001 U	NA	R	0.001 U	NA
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U	0.001 U	0.001 U	NA	0.01 U	0.00028 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00056 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.00064 U	0.001 U	NA	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 U	0.001 U	NA	0.01 U	0.0003 U	0.00027 J	NA	0.001 UJ	0.001 U	NA
Xylene (total)	mg/L	0.002 U	0.002 U	0.002 U [0.002 U]	0.002 U	0.002 U	0.002 UJ	NA	0.02 U	0.00066 U	0.00043 J	NA	0.001 U	0.001 U	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-06 11/03/05	MWW1-06 05/18/06	MWW1-06 11/14/06	MWW1-06 05/02/07	MWW1-06 11/08/07	MWW1-06 05/08/08	MWW1-06 05/30/08	MWW1-06 11/05/08	MWW5-01 09/14/01	MWW5-01 01/09/02	MWW5-01 11/13/06	MWW9-01 08/25/03	MWW9-01 12/17/03	MWW9-01 05/24/04
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	NA	0.005 U	0.00078 U	0.012 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	NA	0.005 U	0.0012 U	0.012 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	NA	0.005 U	0.0017 U	0.012 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	NA	0.01 U	0.00085 U	0.025 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	NA	0.005 U	0.00085 U	0.012 U	NA	0.005 U	0.005 U	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.003 U	0.05 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	NA	0.005 U	0.00079 U	0.012 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	NA	0.005 U	0.00057 U	0.012 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	NA	0.005 U	0.00085 U	0.012 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	NA	0.005 U	0.001 U	0.012 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	NA	0.005 U	0.00064 U	0.012 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	NA	0.005 U	0.0011 U	0.012 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	NA	0.02 U	0.0007 U	0.05 U	NA	0.02 U	0.02 U	NA
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0021 U	0.012 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	NA	0.02 U	0.00093 U	0.05 U	NA	0.02 U	0.02 U	NA
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.00071 U	0.05 U	NA	0.02 U	0.02 U	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.0013 U	0.05 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	NA	0.005 U	0.00088 U	0.012 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	NA	0.005 U	0.00099 U	0.012 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	NA	0.01 U	0.00061 U	0.025 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	NA	0.005 U	0.00079 U	0.012 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	NA	0.005 U	0.0013 U	0.012 U	NA	0.005 U	0.005 U	NA
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.0013 U	0.05 U	NA	0.02 U	0.02 U	NA
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.0019 U	0.05 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	NA	0.005 U	0.0008 U	0.012 U	NA	0.005 U	0.005 U	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00071 U	0.012 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	NA	0.01 U	0.0026 U	0.025 U	NA	0.01 U	0.01 U	NA
Anthracene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00068 U	0.012 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	NA	0.005 U	0.0025 U	0.012 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	NA	0.01 U	0.0028 U	0.025 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	NA	0.005 U	0.0007 U	0.012 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	NA	0.005 U	0.00073 U	0.012 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	NA	0.005 U	0.00094 U	0.012 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	NA	0.005 U	0.00085 U	0.012 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	NA	0.005 U	0.00084 U	0.012 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	NA	0.01 U	0.0026 U	0.025 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	NA	0.005 U	0.00087 U	0.012 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	NA	0.005 U	0.00097 U	0.012 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]	0.01 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
Butyl benzylphthalate	mg/L	0.005 U	0.0029 J	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00088 U	0.012 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	NA	0.01 U	0.0025 U	0.025 U	NA	0.01 U	0.0014 J	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	NA	0.01 U	0.00082 U	0.025 U	NA	0.01 U	0.01 U	NA
Chrysene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00075 U	0.012 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	NA	0.005 U	0.00079 U	0.012 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	NA	0.005 U	0.0011 U	0.012 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	NA	0.005 U	0.00065 U	0.012 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	NA	0.005 U	0.00076 U	0.012 U	NA	0.005 U	0.005 U	NA
Di-n-butylphthalate	mg/L	0.005 U	0.00088 J	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00067 U	0.012 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	NA	0.005 U	0.0011 U	0.012 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	NA	0.005 U	0.00081 U	0.012 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	NA	0.005 U	0.001 U	0.012 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	NA	0.005 U	0.00074 U	0.012 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	NA	0.005 U	0.00073 U	0.012 U	NA	0.005 U	0.005 U	NA
Hexachlorocyclopentadiene	mg/L	0.005 U	0.005 UJ	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	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	NA	0.005 U	0.00074 U	0.012 U	NA	0.005 U	0.005 U	NA
SVOCs															

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

Sample ID: Sample Depth(): Date Collected:	Units	MWW1-06 11/03/05	MWW1-06 05/18/06	MWW1-06 11/14/06	MWW1-06 05/02/07	MWW1-06 11/08/07	MWW1-06 05/08/08	MWW1-06 05/30/08	MWW1-06 11/05/08	MWW5-01 09/14/01	MWW5-01 01/09/02	MWW5-01 11/13/06	MWW9-01 08/25/03	MWW9-01 12/17/03	MWW9-01 05/24/04
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00063 U	0.012 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	NA	0.005 U	0.00063 U	0.012 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	NA	0.005 U	0.0013 U	0.012 U	NA	0.005 U	0.005 U	NA
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00075 U	0.0025 J	NA	0.005 U	0.005 U	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.00081 U	0.012 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	NA	0.005 U	0.00067 U	0.012 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	NA	0.005 U	0.0014 U	0.012 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	NA	0.005 U	0.0024 U	0.012 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	NA	0.005 U	0.00082 U	0.0023 J	NA	0.005 U	0.005 U	NA
Phenol	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0026 U	0.012 U	NA	0.005 U	0.005 U	NA
Pyrene	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0011 U	0.012 U	NA	0.005 U	0.005 U	NA
CDD/F															
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.000000013 U	0.000000013 U	0.000000007 U [0.000000014 U]	0.000000022 U	0.0000000098 U	0.000000016 U	NA	0.0000000012 U	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000011 U	0.000000025 U	0.00000017 J [0.00000061 J]	0.00000002 U	0.000000017 U	0.00000002 U	NA	0.0000000021 U	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000036 U	0.00000001 U	0.0000000024 U [0.0000000057 U]	0.0000000072 U	0.0000000041 U	0.0000000089 U	NA	0.00000000041 U	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000087 U	0.000000018 U	0.00000001 U [0.00000011]	0.000000012 U	0.0000000064 U	0.000000011 U	NA	0.0000000007 U	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000045 U	0.0000000069 U	0.0000000019 U [0.000000002 U]	0.0000000083 U	0.0000000048 U	0.000000011 U	NA	0.00000000052 U	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000051 U	0.0000000076 U	0.000000003 U [0.0000000028 U]	0.0000000059 U	0.0000000033 U	0.0000000078 U	NA	0.00000000035 U	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000076 U	0.0000000088 U	0.0000000038 U [0.0000000034 U]	0.00000001 U	0.0000000049 U	0.00000001 U	NA	0.00000000066 U	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000045 U	0.000000007 U	0.0000000028 U [0.0000000026 U]	0.0000000055 U	0.0000000033 U	0.0000000074 U	NA	0.00000000029 U	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000059 U	0.000000008 U	0.0000000037 U [0.0000000033 U]	0.0000000098 U	0.0000000052 U	0.0000000099 U	NA	0.00000000051 U	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000069 U	0.0000000079 U	0.0000000035 U [0.0000000032 U]	0.0000000065 U	0.0000000035 U	0.0000000083 U	NA	0.00000000038 U	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000067 U	0.0000000078 U	0.0000000035 U [0.0000000032 U]	0.0000000093 U	0.000000004 U	0.0000000096 U	NA	0.00000000053 U	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000049 U	0.0000000012 UJ	0.0000000023 U [0.0000000023 U]	0.0000000081 U	0.000000004 U	0.0000000079 U	NA	0.00000000051 U	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000077 U	0.000000016 U	0.0000000047 U [0.0000000042 U]	0.000000012 U	0.0000000071 U	0.000000015 U	NA	0.00000000089 U	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000056 U	0.0000000077 U	0.0000000031 U [0.0000000029 U]	0.0000000064 U	0.0000000035 U	0.0000000076 U	NA	0.00000000032 U	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.000000005 U	0.000000012 U	0.0000000023 U [0.0000000023 U]	0.0000000081 U	0.0000000041 U	0.000000008 U	NA	0.00000000052 U	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000025 U	0.000000003 UJ	0.0000000022 U [0.0000000019 U]	0.0000000044 U	0.0000000028 U	0.0000000045 U	NA	0.0000000004 U	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000038 U	0.0000000034 UJ	0.0000000025 U [0.000000002 U]	0.0000000067 U	0.0000000038 U	0.0000000084 U	NA	0.00000000058 U	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000045 U	0.00000001 U	0.0000000037 U [0.000000012 U]	0.0000000083 U	0.0000000048 U	0.0000000096 U	NA	0.00000000052 U	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.0000000087 U	0.000000018 U	0.00000001 U [0.00000026]	0.000000012 U	0.0000000064 U	0.000000011 U	NA	0.00000000081 U	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000069 U	0.0000000079 U	0.0000000035 U [0.0000000032 U]	0.0000000065 U	0.0000000035 U	0.0000000078 U	NA	0.00000000038 U	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000076 U	0.0000000088 U	0.0000000038 U [0.0000000011 U]	0.00000001 U	0.0000000081 U	0.00000001 U	NA	0.00000000084 U	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.000000005 U	0.000000012 U	0.0000000038 U [0.0000000023 U]	0.0000000081 U	0.0000000047 U	0.000000008 U	NA	0.00000000059 U	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.0000000077 U	0.000000018 U	0.000000024 U [0.000000016 U]	0.000000012 U	0.0000000091 U	0.000000015 U	NA	0.00000000089 U	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000025 U	0.000000003 U	0.0000000022 U [0.0000000019 U]	0.0000000044 U	0.0000000028 U	0.0000000045 U	NA	0.00000000042 U	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000038 U	0.0000000034 U	0.0000000025 U [0.000000002 U]	0.0000000067 U	0.0000000038 U	0.0000000084 U	NA	0.00000000058 U	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.0000000151 U	0.0000000242 U	0.00000000458 [0.0000000056]	0.0000000233 U	0.0000000128 U	0.0000000272 U	NA	0.00000000167 U	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
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-06 11/03/05	MWW1-06 05/18/06	MWW1-06 11/14/06	MWW1-06 05/02/07	MWW1-06 11/08/07	MWW1-06 05/08/08	MWW1-06 05/30/08	MWW1-06 11/05/08	MWW5-01 09/14/01	MWW5-01 01/09/02	MWW5-01 11/13/06	MWW9-01 08/25/03	MWW9-01 12/17/03	MWW9-01 05/24/04
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
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs															
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.000054 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.00011 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.000056 U	0.0004 U	0.0004 U	0.0004 U	0.0004 UJ	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	0.000075 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.0002 U	0.000061 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.000082 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.000055 J	0.0002 U	0.0002 U	0.000044 U	0.0002 U	0.0002 U	0.0002 UJ	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	0.000555	0.0016 U	0.0016 U	0.000482 U	0.0016 U	0.0016 U	0.0016 U	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	0.000055 J	0.0004 U	0.0004 U	0.00011 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	0.000054 U	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	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	0.000056 U	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	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	0.000061 U	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	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	0.000044 U	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	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	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	NA	0.025 U	0.0022 U	0.025 U	NA	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.0014 J	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
Barium	mg/L	0.0705	0.0281	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
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	0.00054 U	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]	0.005 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
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	0.01 U	0.0014 U	0.01 U	NA	0.0568	0.0155	0.0067 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	NA	0.02 U	0.0017 J	0.0041 J	NA	0.0027 J	0.0013 J	0.02 U
Copper	mg/L	0.005 U	0.005 U	0.005 U [0.005 U]	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0042 U	0.005 U	NA	0.005 U	0.0146 U	0.0026 J
Cyanide (total)	mg/L	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U	0.01 U	0.01 U	NA	0.01 U	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U [0.003 U]	0.003 U	0.003 U	0.003 U	NA	0.003 U	0.0025 U	0.003 U	NA	0.0391	0.064	0.004
Manganese	mg/L	0.372	0.11	0.101 [0.0966]	0.117	0.321	0.173	NA	0.236	0.322	0.766	NA	0.187	0.167	0.147
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	0.000069 U	0.0003	NA	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	NA	0.02 U	0.013 J	0.0124 J	NA	0.0385	0.0112 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	NA	0.005 U	0.0045 U	0.005 U	NA	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	0.0015 U	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	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	0.005 U	0.001 U	NA	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	0.00089 J	0.0011 J	NA	0.00078 J	0.0018 J	0.00083 J	NA	0.0019 J	0.0023 J	0.01 U
Zinc	mg/L	0.02 U	0.02 U	0.02 U [0.02 U]	0.02 U	0.02 U	0.0103 J	NA	0.02 U	0.012 U	0.02 U	NA	0.0544	0.0396	0.02 U

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW1-06 11/03/05	MWW1-06 05/18/06	MWW1-06 11/14/06	MWW1-06 05/02/07	MWW1-06 11/08/07	MWW1-06 05/08/08	MWW1-06 05/30/08	MWW1-06 11/05/08	MWW5-01 09/14/01	MWW5-01 01/09/02	MWW5-01 11/13/06	MWW9-01 08/25/03	MWW9-01 12/17/03	MWW9-01 05/24/04
Inorganics-Filtered															
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0022 U	0.025 U	NA	NA	NA	0.025 U
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0039 U	0.0473	NA	NA	NA	0.0031 J
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.178	0.161	NA	NA	NA	0.232
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.00054 U	0.001 U	NA	NA	NA	0.001 U
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.00028 U	0.00039 J	NA	NA	NA	0.005 U
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.01 U	NA	NA	NA	0.01 U
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.003 J	0.0041 J	NA	NA	NA	0.02 U
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0042 U	0.005 U	NA	NA	NA	0.005 U
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.003 U	NA	NA	NA	0.003 U
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.375	0.815	NA	NA	NA	0.156
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.000069 U	0.00022	NA	NA	NA	0.0002 U
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0143 J	0.0113 J	NA	NA	NA	0.0039 J
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0045 U	0.005 U	NA	NA	NA	0.005 U
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0015 U	0.005 U	NA	NA	NA	0.005 U
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.0053 J	0.001 U	NA	NA	NA	0.001 U
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.001 J	0.01 U	NA	NA	NA	0.01 U
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.02 U	NA	NA	NA	0.0154 J
Miscellaneous															
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters															
Conductivity Field	mS/cm	NA	NA	0.715	NA	NA	NA	NA	NA	NA	NA	2.05	NA	NA	NA
Conductivity Field	umhos/cm	NA	0.462	NA	660	1.66	0.856	1.61	1.359	NA	NA	NA	NA	3.28	2.74
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	0.5	0.31	4.78	0.16	0.29	4.1	0.8	NA	NA	0.24	NA	NA	NA
ORP, Field	millivolts	NA	47	-15	19	-162	-142	-144	-135	NA	NA	76	NA	NA	NA
pH Field	pH Units	6.98	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	6.8	6.99	7.3	6.71	7.05	6.82	7.02	NA	NA	6.45	NA	7.4	7.32
Temperature	Deg C	NA	12.71	11.97	9.71	13.55	11.1	15.23	15.55	NA	NA	11.65	NA	13.3	14.6
Temperature, Ambient	Deg F	NA	50	45	NA	35	55	70	60	NA	NA	40	NA	NA	NA
Turbidity (Field)	NTU	NA	1.98	3.68	2.5	2.7	NA	0.92	1.09	NA	NA	8.76	NA	2.78	13.7

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW9-01 11/01/04	MWW9-01 11/04/05	MWW9-01 05/19/06	MWW9-01 11/14/06	MWW9-01 05/03/07	MWW9-01 11/08/07	MWW9-01 05/08/08	MWW10-03 02/11/02	MWW10-03 11/14/02	MWW10-03 05/19/03	MWW10-03 12/17/03	MWW10-03 05/04/04	MWW10-03 10/29/04	MWW10-03 05/12/05	MWW10-03 11/03/05
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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	NA	0.001 U	0.001 U	0.001 U	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
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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	NA	0.001 U	0.001 U	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 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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	NA	0.001 UJ	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	0.001 UJ	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	NA	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 UJ	0.002 UJ	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	NA	0.001 U	0.001 U	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
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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	NA	0.001 U	0.001 U	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
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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	NA	0.001 U	0.001 U	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
2-Butanone (Methyl Ethyl Ketone)	mg/L	NA	0.01 U	0.01 U	0.01 UJ	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
2-Hexanone	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 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U
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 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U
Acetone	mg/L	NA	0.01 UJ	0.01 U	0.01 U	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
Benzene	mg/L	NA	0.001 U	0.001 U	0.001 UJ	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
Bromodichloromethane	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	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	NA	0.001 U	0.001 U	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
Bromomethane (Methyl Bromide)	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	0.001 UJ	0.001 U	0.001 U	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	NA	0.001 U	0.001 U	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
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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	NA	0.001 U	0.001 U	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 U
Chloromethane (Methyl Chloride)	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	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	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	NA	0.001 U	0.001 U	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 U
Dibromochloromethane	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	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	NA	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 UJ	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	0.00021 J	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	NA	0.001 U	0.001 U	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
Methyl acetate	mg/L	NA	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	NA	0.001 U	0.001 U	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
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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	NA	0.001 U	0.001 U	0.001 UJ	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
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	R	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	NA	0.001 U	0.001 U	0.001 U	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
Toluene	mg/L	NA	0.001 U	0.001 U	0.001 U	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
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	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	0.0005 U	0.0005 U	0.0005 UJ	0.0005 U	0.0005 U	0.001 U	0.001 U	0.001 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 UJ	0.001 U	R	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 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
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 U	0.001 U	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 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	NA	0.001 U	0.001 U	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
Xylene (total)	mg/L	NA	0.002 U	0.002 U	0.002 U	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

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW9-01 11/01/04	MWW9-01 11/04/05	MWW9-01 05/19/06	MWW9-01 11/14/06	MWW9-01 05/03/07	MWW9-01 11/08/07	MWW9-01 05/08/08	MWW10-03 02/11/02	MWW10-03 11/14/02	MWW10-03 05/19/03	MWW10-03 12/17/03	MWW10-03 05/04/04	MWW10-03 10/29/04	MWW10-03 05/12/05	MWW10-03 11/03/05
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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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 UJ	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	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	0.02 UJ	0.02 U	0.02 UJ	0.02 U	0.02 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	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	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
bis(2-Ethylhexyl)phthalate	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 UJ	0.0088	0.005 U	0.005 U	0.005 U	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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Caprolactam	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 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbazole	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 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenz(a,h)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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibenzofuran	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Diethyl phthalate	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dimethyl phthalate	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-butylphthalate	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Di-n-octyl phthalate	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Fluorene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobutadiene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorocyclopentadiene	mg/L	NA	0.005 U	0.005 U	0.005 U	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
Hexachloroethane	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SVOCs																

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW9-01 11/01/04	MWW9-01 11/04/05	MWW9-01 05/19/06	MWW9-01 11/14/06	MWW9-01 05/03/07	MWW9-01 11/08/07	MWW9-01 05/08/08	MWW10-03 02/11/02	MWW10-03 11/14/02	MWW10-03 05/19/03	MWW10-03 12/17/03	MWW10-03 05/04/04	MWW10-03 10/29/04	MWW10-03 05/12/05	MWW10-03 11/03/05
Indeno(1,2,3-cd)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	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isophorone	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylphenol (Cresol)	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	0.005 U
Naphthalene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Nitrobenzene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodi-n-propylamine	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
N-Nitrosodiphenylamine	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Pentachlorophenol	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenanthrene	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
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	0.005 UJ	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	0.0000000004 J	0.00000005 U	0.0000000072 UJ	0.000000001 U	0.0000000062 U	0.0000000019 U	0.0000000025 U	0.000000013 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000021 U	0.00000005 U	0.0000000069 UJ	0.0000000062 U	0.0000000021 U	0.0000000024 U	0.00000002 U	0.000000013 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000000001 U	0.000000025 U	0.0000000046 UJ	0.00000000056 U	0.0000000015 U	0.00000000067 U	0.0000000026 U	0.0000000039 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000016 UJ	0.000000025 U	0.0000000044 UJ	0.00000000045 U	0.0000000027 U	0.0000000006 U	0.0000000036 U	0.0000000081 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000013 U	0.000000025 U	0.0000000039 UJ	0.00000000036 U	0.0000000015 U	0.00000000079 U	0.0000000011 U	0.000000005 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000008 UJ	0.000000025 U	0.0000000053 UJ	0.00000000039 U	0.0000000016 U	0.0000000016 U	0.000000002 U	0.0000000046 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000016 J	0.000000025 U	0.0000000045 UJ	0.00000000058 U	0.0000000022 U	0.0000000025 U	0.0000000028 U	0.0000000075 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000008 U	0.000000025 U	0.0000000052 UJ	0.00000000039 U	0.0000000014 U	0.0000000013 U	0.0000000017 U	0.000000004 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.000000025 U	0.0000000047 UJ	0.00000000062 U	0.0000000018 U	0.0000000019 U	0.0000000019 U	0.0000000058 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000000001 U	0.000000025 U	0.0000000059 UJ	0.00000000045 U	0.0000000017 U	0.0000000017 U	0.0000000022 U	0.0000000062 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000012 U	0.000000025 U	0.0000000043 UJ	0.00000000055 U	0.000000002 U	0.000000002 U	0.0000000022 U	0.0000000066 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000000001 U	0.00000001 U	0.0000000028 UJ	0.00000000056 U	0.0000000017 U	0.0000000012 U	0.0000000015 U	0.0000000045 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000012 UJ	0.00000001 U	0.000000004 UJ	0.00000000086 U	0.0000000034 U	0.0000000021 U	0.0000000027 U	0.0000000064 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000008 UJ	0.000000025 U	0.0000000054 UJ	0.00000000042 U	0.0000000015 U	0.0000000015 U	0.000000002 U	0.0000000051 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000000001 UJ	0.00000001 U	0.0000000028 UJ	0.00000000056 U	0.0000000017 U	0.0000000011 U	0.0000000015 U	0.0000000045 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000000001 U	0.00000001 U	0.0000000019 UJ	0.00000000044 U	0.0000000013 U	0.000000002 U	0.0000000041 U	0.0000000029 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000013 U	0.00000001 U	0.0000000026 UJ	0.00000000063 U	0.0000000014 U	0.00000000083 U	0.0000000017 U	0.0000000033 U
Total Heptachlorodibenzofuran (HpCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000052	NA	NA	NA	NA	0.00000000079 U	0.0000000026 U	0.000000005 U
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000027 J	NA	NA	NA	NA	0.0000000006 U	0.0000000036 U	0.0000000081 U
Total Hexachlorodibenzofuran (HxCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000081 J	NA	NA	NA	NA	0.0000000017 U	0.0000000022 U	0.0000000062 U
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000102 J	NA	NA	NA	NA	0.0000000025 U	0.0000000028 U	0.0000000075 U
Total Pentachlorodibenzofuran (PeCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000047 J	NA	NA	NA	NA	0.0000000017 U	0.0000000028 U	0.0000000045 U
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000013 J	NA	NA	NA	NA	0.0000000021 U	0.0000000027 U	0.0000000064 U
Total Tetrachlorodibenzofuran (TCDF)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.00000000069 J	NA	NA	NA	NA	0.000000002 U	0.0000000041 U	0.0000000029 U
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0000000013 U	NA	NA	NA	NA	0.00000000083 U	0.0000000017 U	0.0000000033 U
2,3,7,8-TCDD Equivalent	mg/L	NA	NA	NA	NA	NA	NA	NA	0.00000000175	0.0000000399 U	0.00000001 U	0.00000000177 U	0.00000000545 U	0.00000000396 U	0.00000000586 U	0.0000000134 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 Seni-Annual Groundwater Sampling Analytical Results
RACER Trust
Pontiac North Campus

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW9-01 11/01/04	MWW9-01 11/04/05	MWW9-01 05/19/06	MWW9-01 11/14/06	MWW9-01 05/03/07	MWW9-01 11/08/07	MWW9-01 05/08/08	MWW10-03 02/11/02	MWW10-03 11/14/02	MWW10-03 05/19/03	MWW10-03 12/17/03	MWW10-03 05/04/04	MWW10-03 10/29/04	MWW10-03 05/12/05	MWW10-03 11/03/05
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	0.0002 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 U	0.0002 U	0.0002 U	0.0002 U	0.0002 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	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	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 UJ	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 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	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 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	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 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	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 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	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total PCBs-Realm/Encore	mg/L	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	0.0016 U	0.0016 U
Total PCBs	mg/L	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	0.0004 U	0.0004 U
Pests/PCBs-Filtered																
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics																
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Arsenic	mg/L	0.01 U	0.0228	0.0053	0.0051	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
Barium	mg/L	0.01 U	0.316	0.0811	0.174	0.0865	0.215	0.192	0.0441	0.079	0.0577 J	0.0737	0.058	0.108	0.202	0.186
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 UJ	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 UJ	0.005 U	0.005 U	0.005 U	0.0012 J	0.005 U
Chromium (Total)	mg/L	0.01 U	0.0368	0.0064 J	0.01 U	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
Cobalt	mg/L	0.02 U	0.0033 J	0.0013 J	0.0093 J	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
Copper	mg/L	0.005 U	0.0188	0.0068	0.005 U	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
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	0.0784	0.008	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
Manganese	mg/L	0.01 U	0.336	0.18	0.0716	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
Mercury	mg/L	0.000039 J	0.00011 J	0.0002 U	0.0002 U	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
Nickel	mg/L	0.02 U	0.0287	0.0051 J	0.0027 J	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
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	0.0049 J	0.0063	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 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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 UJ	0.001 U	0.001 U	0.001 U	0.000043 J	0.001 U
Vanadium	mg/L	0.01 U	0.0128	0.0023 J	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	0.0038 J	0.01 U
Zinc	mg/L	0.02 U	0.0433	0.0222	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	0.0208	0.02 U

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW9-01 11/01/04	MWW9-01 11/04/05	MWW9-01 05/19/06	MWW9-01 11/14/06	MWW9-01 05/03/07	MWW9-01 11/08/07	MWW9-01 05/08/08	MWW10-03 02/11/02	MWW10-03 11/14/02	MWW10-03 05/19/03	MWW10-03 12/17/03	MWW10-03 05/04/04	MWW10-03 10/29/04	MWW10-03 05/12/05	MWW10-03 11/03/05
Inorganics-Filtered																
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0444	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0053 J	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0384 J	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	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	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	2.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity Field	umhos/cm	NA	NA	0.998	NA	1,428	2.35	1.78	NA	NA	NA	0.844	NA	NA	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	NA	0.13	0.57	0.39	0.3	0.19	NA	NA	NA	NA	NA	NA	NA	NA
ORP, Field	millivolts	NA	NA	-19	-39	-85	-130	-116	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	pH Units	7.27	7.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.43	6.65	7.11
pH Field	s.u.	NA	NA	6.95	6.97	7.15	7.03	6.89	NA	NA	NA	7.11	NA	NA	NA	NA
Temperature	Deg C	NA	NA	14.28	13.36	16.9	16.35	17	NA	NA	NA	8.54	NA	NA	NA	NA
Temperature, Ambient	Deg F	NA	NA	50	45	NA	35	55	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (Field)	NTU	NA	NA	12.5	1.88	4.13	4.6	NA	NA	NA	NA	0.54	NA	NA	NA	NA

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW10-03 05/18/06	MWW10-03 11/14/06	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11
VOCs											
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U	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
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	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]	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.025 U [0.025 U]	0.025U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.05 [0.05 U]	0.05U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.05 [0.05 U]	0.05U
Acetone	mg/L	0.01 UJ	0.01 U	0.01 U	NA	0.01 U	0.01 U	0.032	0.01 U	0.025 J [0.025 J]	0.025U
Benzene	mg/L	0.001 U	0.001 UJ	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
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U [0.005 U]	0.005U
Carbon tetrachloride	mg/L	0.001 U	0.001 UJ	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
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 UJ	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
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U [0.001 U]	0.001 U
Cyclohexane	mg/L	0.001 U	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
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.002 U	0.002 U	0.002 U	NA	0.002 U	0.002 UJ	0.002 UJ	0.002 UJ	0.001 U [0.001 U]	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U [0.005 U]	0.005U
Methyl acetate	mg/L	0.01 U	0.01 UJ	0.01 U	NA	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U [0.01 U]	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 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	NA	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 UJ	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
Styrene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Total 1,3 Dichloropropenes	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	NA	NA
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U [0.001 U]	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U [0.001 U]	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U [0.001 U]	0.001 U
Xylene (total)	mg/L	0.002 U	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

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW10-03 05/18/06	MWW10-03 11/14/06	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11
SVOCs											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2,4,5-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2,4,6-Trichlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
2,4-Dimethylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2,4-Dinitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
2,4-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2,6-Dinitrotoluene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2-Chloronaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 UJ	NA	NA	NA
2-Chlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2-Methylnaphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
2-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
2-Nitrophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
3,3'-Dichlorobenzidine	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 UJ	0.02 U	NA	NA	NA
3-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
4-Bromophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
4-Chloro-3-methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
4-Methylphenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
4-Nitroaniline	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
4-Nitrophenol	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
Acenaphthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Acenaphthylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
Anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Atrazine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
Benzo(a)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Benzo(a)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Benzo(b)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Benzo(g,h,i)perylene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Benzo(k)fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 UJ	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
bis(2-Chloroethyl)ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/L	0.0014 J	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Butyl benzylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 UJ	NA	NA	NA
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
Chrysene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Dibenz(a,h)anthracene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Dibenzofuran	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Diethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Dimethyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Di-n-butylphthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Di-n-octyl phthalate	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Fluoranthene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Fluorene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Hexachlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Hexachlorobutadiene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 UJ	NA	NA	NA
Hexachlorocyclopentadiene	mg/L	0.005 UJ	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 UJ	NA	NA	NA
Hexachloroethane	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
SVOCs											

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

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW10-03 05/18/06	MWW10-03 11/14/06	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11
Indeno(1,2,3-cd)pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Isophorone	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Methylphenol (Cresol)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Naphthalene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Nitrobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
N-Nitrosodiphenylamine	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Pentachlorophenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Phenanthrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Phenol	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Pyrene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
CDD/F											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	mg/L	0.000000016 U	0.0000000043 U	0.00000001 U	0.000000009 U	NA	0.000000011 U	0.0000000053 U	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	mg/L	0.000000021 U	0.000000024 U	0.00000001 U	0.000000015 U	NA	0.000000014 U	0.000000006 U	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000014 U	0.0000000015 U	0.0000000037 U	0.0000000039 U	NA	0.0000000071 U	0.0000000032 U	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.000000021 U	0.000000004 U	0.000000006 U	0.0000000069 U	NA	0.0000000072 U	0.0000000058 U	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	mg/L	0.0000000064 U	0.0000000017 U	0.0000000042 U	0.0000000046 U	NA	0.0000000084 U	0.0000000037 U	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000067 U	0.0000000027 U	0.0000000036 U	0.0000000039 U	NA	0.0000000058 U	0.0000000048 U	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000078 U	0.0000000032 U	0.0000000064 U	0.0000000061 U	NA	0.0000000079 U	0.0000000055 U	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000062 U	0.0000000025 U	0.0000000034 U	0.0000000039 U	NA	0.0000000055 U	0.0000000042 U	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000072 U	0.0000000031 U	0.0000000063 U	0.0000000066 U	NA	0.0000000075 U	0.0000000049 U	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000007 U	0.0000000031 U	0.000000004 U	0.0000000041 U	NA	0.0000000061 U	0.0000000048 U	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.000000007 U	0.000000003 U	0.000000006 U	0.000000005 U	NA	0.0000000072 U	0.0000000049 U	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000075 U	0.0000000022 U	0.0000000053 U	0.0000000057 U	NA	0.000000006 U	0.0000000054 U	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000013 U	0.0000000041 U	0.0000000087 U	0.00000001 U	NA	0.000000012 U	0.0000000064 U	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	mg/L	0.0000000068 U	0.0000000028 U	0.0000000039 U	0.0000000041 U	NA	0.0000000056 U	0.0000000046 U	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000073 U	0.0000000021 U	0.0000000054 U	0.0000000058 U	NA	0.000000006 U	0.0000000056 U	NA	NA	NA
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000056 U	0.000000002 U	0.0000000032 U	0.0000000034 U	NA	0.0000000039 U	0.0000000036 U	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000062 U	0.0000000021 U	0.000000005 U	0.0000000049 U	NA	0.0000000056 U	0.0000000049 U	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF)	mg/L	0.000000014 U	0.0000000017 U	0.0000000042 U	0.0000000046 U	NA	0.0000000084 U	0.0000000037 U	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD)	mg/L	0.000000021 U	0.0000000043 U	0.0000000067 U	0.0000000069 U	NA	0.0000000072 U	0.0000000058 U	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF)	mg/L	0.000000007 U	0.0000000031 U	0.000000004 U	0.0000000041 U	NA	0.0000000061 U	0.0000000048 U	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD)	mg/L	0.0000000078 U	0.0000000032 U	0.0000000064 U	0.0000000066 U	NA	0.0000000079 U	0.0000000055 U	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF)	mg/L	0.0000000075 U	0.0000000022 U	0.0000000054 U	0.0000000058 U	NA	0.000000006 U	0.0000000056 U	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD)	mg/L	0.000000013 U	0.000000015 U	0.0000000087 U	0.00000001 U	NA	0.000000012 U	0.0000000064 U	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF)	mg/L	0.0000000056 U	0.000000002 U	0.0000000032 U	0.0000000034 U	NA	0.0000000039 U	0.0000000036 U	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD)	mg/L	0.0000000062 U	0.0000000021 U	0.000000005 U	0.0000000049 U	NA	0.0000000056 U	0.0000000049 U	NA	NA	NA
2,3,7,8-TCDD Equivalent	mg/L	0.0000000226 U	0.00000000765 U	0.0000000162 U	0.000000017 U	NA	0.0000000201 U	0.000000015 U	NA	NA	NA
CDD/F-Filtered											
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)(Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix C
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RACER Trust
Pontiac North Campus

Sample ID: / Sample Depth(): / Date Collected:	Units	MWW10-03 05/18/06	MWW10-03 11/14/06	MWW10-03 05/03/07	MWW10-03 11/08/07	MWW10-03 11/09/07	MWW10-03 05/08/08	MWW10-03 11/06/08	MWW10-03 12/15/09	MWW10-03 12/15/09	MWW10-03 09/23/11
CDD/F-Filtered											
2,3,7,8-Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzofuran (HpCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Heptachlorodibenzo-p-dioxin (HpCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzofuran (HxCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hexachlorodibenzo-p-dioxin (HxCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzofuran (PeCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Pentachlorodibenzo-p-dioxin (PeCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzofuran (TCDF) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Tetrachlorodibenzo-p-dioxin (TCDD) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pests/PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 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
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0002 U	0.0002 U [0.0002 U]	0.0002 U
Aroclor-1242 (PCB-1242)	mg/L	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
Aroclor-1248 (PCB-1248)	mg/L	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
Aroclor-1254 (PCB-1254)	mg/L	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
Aroclor-1260 (PCB-1260)	mg/L	0.0002 UJ	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
Total PCBs-Realm/Encore	mg/L	0.0016 U	0.0016 U	0.0016 U	0.0016 U	NA	0.0016 U	0.0016 U	0.0014 U	NA	NA
Total PCBs	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	0.0004 U	0.0002 U	NA	NA
Pests/PCBs-Filtered											
Aroclor-1016 (PCB-1016) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs-Realm/Encore	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics											
Antimony	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	NA	0.025 U	0.025 U	NA	NA	NA
Arsenic	mg/L	0.002 U	0.0006 J	0.002 U	0.002 U	NA	0.0011 J	0.00068 J	NA	NA	NA
Barium	mg/L	0.0376	0.0562	0.033	0.0905	NA	0.161	0.144	NA	NA	NA
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	NA
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Chromium (Total)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
Cobalt	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
Copper	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.0106	NA	NA	NA
Cyanide (total)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	NA	0.003 U	0.0019 J	NA	NA	NA
Manganese	mg/L	0.0203	0.023	0.0031 J	0.0392	NA	0.0172	0.0382	0.0117	0.001 B [0.001 B]	0.001U
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	NA	0.0002 U	0.0002 U	NA	NA	NA
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U	NA	NA	NA
Selenium	mg/L	0.0044 J	0.005 U	0.0031 J	0.005 U	NA	0.0055	0.0051	NA	NA	NA
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	NA	NA
Vanadium	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	NA	0.01 U	0.01 U	NA	NA	NA
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.0054 J	NA	0.02 U	0.02 U	NA	NA	NA

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Inorganics-Filtered											
Antimony (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (Dissolved)	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous											
pH (water)	none	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (water)	s.u.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters											
Conductivity Field	mS/cm	NA	0.807	NA	NA	NA	NA	NA	NA	1.050	1.111
Conductivity Field	umhos/cm	NA	NA	580	0.814	NA	1.97	1.58	1.252	NA	NA
Dissolved Oxygen	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen, Field	mg/L	NA	1.66	4.97	1.02	NA	2.78	1.11	2.39	0.96	1.28
ORP, Field	millivolts	NA	221	169	-9	NA	30	71	112	154.6	42.5
pH Field	pH Units	6.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH Field	s.u.	NA	6.3	6.67	6.68	NA	7.31	6.93	7.07	6.94	6.92
Temperature	Deg C	NA	12.34	8.76	13.47	NA	8.79	15.82	9.1	14.92	16.96
Temperature, Ambient	Deg F	NA	45	NA	35	45	55	60	25	35	59
Turbidity (Field)	NTU	NA	0.79	0.51	0.6	NA	NA	4.77	1.23	11.5	0.27