

SUBJECT
RACER Pontiac North Campus
Former Fiero Powerhouse Environmental Summary

TO
Mr. David Favero, RACER Trust

DATE
April 22, 2022

OUR REF
RACER Trust Pontiac North Campus

DEPARTMENT
Environment

PROJECT NUMBER
30112891

COPIES TO
Project File

FROM
Arcadis of Michigan, LLC

Introduction and Overview of Pontiac North Campus Property

On October 10, 2000, the U.S. Environmental Protection Agency (USEPA) and the former General Motors Corporation (GMC) entered into a Voluntary Corrective Action Agreement (Voluntary Agreement) for the Pontiac North Campus (PNC Site) located in Pontiac, Michigan. The Voluntary Agreement required GMC to work independently and voluntarily to investigate and, as necessary, stabilize and remediate releases of hazardous waste or hazardous constituents at or from the PNC Site in accordance with the Resource Conservation and Recovery Act (RCRA) and relevant USEPA corrective action guidance documentation. Many of the investigation activities were completed by GMC prior to the bankruptcy filing on June 1, 2009.

On June 1, 2009, GMC filed for Chapter 11 protection in federal court under the Bankruptcy Code. On July 10, 2009, what would subsequently become GM LLC (GM) was created and purchased certain GMC assets pursuant to Section 363 of the Bankruptcy Code. Motors Liquidation Company (MLC) was formed to manage the assets (89 properties) that were not sold to GM. The entire PNC Site was split into separate operational portions on July 10, 2009, with MLC controlling some portions and GM controlling the remainder. Effective March 31, 2011, the Revitalizing Auto Communities Environmental Response (RACER) Trust was created through a Bankruptcy Settlement Agreement. Ownership and responsibility for certain environmental conditions for select PNC parcels were transferred to RACER (Site, **Figure 1**).

An Administrative Order on Consent was executed on September 29, 2011, between USEPA and RACER calling for RACER to complete corrective action at the Site.

Cleanup activities are currently being performed by RACER Trust under the federal RCRA Corrective Action program, with the approval and oversight of USEPA. The Settlement Agreement that created RACER established funding for corrective action work at the Site.

Fiero Powerhouse Environmental Summary

Current Ownership and Operations

The Fiero Powerhouse property is a portion of the larger Site and is located at 824 Saint Clair Street in the City of Pontiac, Oakland County, Michigan (Property, **Figure 1**). The Property consists of approximately 18.19 acres with Parcel ID 14-20-201-004. The Property is currently owned by RACER.

Most of the Fiero Powerhouse property is currently leased by Green for Life (GFL) from RACER. A small area of land in the southeast portion of the Fiero Powerhouse property is currently owned and operated by Jimenez Investments, LLC and consists of 0.57 acre with Parcel ID 14-20-201-005 (**Figure 1**); this parcel was sold by RACER to Jimenez Investments on June 25, 2015.

Historical Operations

The majority of the Property previously housed a gas and coal-fired electrical and steam generating plant which was owned and operated by GMC for the purpose of providing power and steam to its entire PNC Site from the mid-late 1920s when the PNC Site was first developed. Operations at the Fiero Powerhouse were leased to DTE Energy by GMC in 2007 and carried over under RACER's ownership until 2017. Activities were phased out by DTE between 2009 and 2012. RACER Trust decommissioned and demolished the entire Fiero Powerhouse facility in 2019 and 2020. Refer to **Attachment 1** for historical aerial photographs depicting the powerhouse property from the late 1930s to 2016.

The southeastern portion of the Powerhouse property (referred to as the Panhandle) formerly housed a closed container storage area (CSA). This area managed both liquid and solid waste and was identified as solid waste management unit (SWMU) 4 in historical reports (referenced as Area of Interest [AOI] F-4 in the table below and on **Figure 2**). Based on historical records the closed CSA was in operation from before 1977 to August 1985 (PRC 1992). Clean closure certification of the CSA was received from the Michigan Department of Natural Resources (MDNR – currently the Michigan Department of Environment, Great Lakes, and Energy (EGLE)) in February 1988. Refer to **Attachment 2** for the clean closure certification letter. The closed CSA was situated on an enclosed, bermed concrete pad with a maximum capacity of 375 55-gallon drums. Waste stored in the closed CSA included scraped sealers, adhesives, paint thinners, and waste solvents (PRC 1992). The closed CSA ceased being used on August 15, 1985. A total of 37 containers were removed from the closed CSA (AOI F-4), visible residue was removed from the concrete pad and the pad was washed with detergent and water. Wastewater was collected and transferred to the wastewater treatment plant (formerly located in the southeastern portion of the powerhouse property). The closed CSA berm and concrete pad was dismantled, removed, and paved.

A former wastewater treatment plant (WWTP) was also historically located in the eastern portion of the Powerhouse Property (AOI F-5 **Figure 2**). The WWTP consisted of above-grade steel tanks situated on a concrete pad with secondary containment and operated from 1973 through 1983. Based on historical aerial photographs of the area (**Attachment 1**), the WWTP was removed prior to 1987. As outlined in historical reports, no documented releases were associated with the WWTP.

The 2001 ENCORE Current Conditions Report (CCR) and the CCR Addendum (ENCORE 2002) identified ten AOIs within the Powerhouse property as having potential environmental issues, which also included AOIs F-4 and F-5 discussed above. The AOIs and a summary of the relevant information pertaining to each one of them is provided in the table below and the location of the AOIs are shown on **Figure 2**.

Exhibit 1: Summary of Former Fiero Powerhouse Areas of Interest

Area ID	AOI Description	Materials Managed	RFI/Interim Measures Activities
F-1	Powerhouse Satellite Accumulation Areas: Located in the Powerhouse basement	Managed waste paint thinner	AOI F-1 consisted of two Satellite Accumulation Areas (SAA). SAA1 was identified as a solid waste management unit (SWMU) in the Fiero Preliminary Assessment/Visual Site Inspection (PA/VS) Report (PRC 1992). No known releases reported, and no visual evidence of a release observed. No further action was recommended in the CCR.
F-3	Container Storage Area: Located on the south side of the storage dock of Plant 17	Storage of chlorinated solvents, paint waste, waste sealers, and waste adhesives	Two soil and groundwater investigations were completed in 1990 and 1992. A closure report was submitted to MDNR in Jan. 1995. Final closure is being pursued through the RCRA Corrective Action process.
F-4	Closed Container Storage Area: Southwest driveway, adjacent to railroad tracks	Storage of scrap sealers, adhesives, paint thinners, and solvents	An ENCORE RFI Work Plan Addendum No. 13 (ENCORE 2004) indicated two soil borings were installed in the AOI F-4 area. The report stated that data from the soil borings did not contain volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) above the laboratory quantitation limit. Closure of the area was accepted by MDNR in February 1988 (Attachment 2).
F-5	Former Fiero Wastewater Treatment Plant (WWTP): Located 100 yards north of Owens Street	Managed wastewater, wastewater treatment sludge, paint sludge, and Bonderite sludge	The former Fiero WWTP operated from 1977 to 1983. Consisted of above grade tanks situated on a concrete pad with secondary containment. No known releases reported. No further action was recommended in the CCR.

Area ID	AOI Description	Materials Managed	RFI/Interim Measures Activities
F-7	Wastewater Collection Sumps: Located in the basement of the Powerhouse	Industrial wastewater	The sumps were cleaned and inspected. No known releases occurred at the wastewater collection sumps and were noted to be in good condition during the Fiero PA/VSI. In addition, two groundwater monitoring wells were installed.
F-10	High-Pressure Fly Ash Storage Silo: Silo east of the Powerhouse	Non-hazardous fly ash	No further action was recommended in the CCR. Structures were demolished between 2019 and 2020.
F-11	Low-Pressure Fly Ash Storage Silos: Silos east of the Powerhouse	Non-hazardous coal fly ash	No further action was recommended in the CCR. Structures were demolished between 2019 and 2020.
F-12	Coal Storage Area Located southeast of the Powerhouse	Coal (Reported waste solvent added to coal to increase BTU)	Two groundwater monitoring wells were installed in relation to this area.
F-14	Fuel AST Area - Located west of the low- pressure fly ash storage silos - The area included three ASTs	Diesel fuel and gasoline	Two soil borings were completed in relation to this area.
F-15	Oil/Solvent Catch Basin - Located in the Fiero Loading dock - Potential source of cVOC impacts	Unknown oil sludge and solvents	The catch basin was cleaned and inspected. In addition, two soil borings were completed and one groundwater monitoring well was installed.

Summary of Property Characterization

As summarized above, of these ten AOIs identified, four were further investigated for potential release of hazardous waste or hazardous constituents. For each of these four areas, soil and groundwater samples were collected and analyzed for hazardous constituents. In addition, potential releases of light non-aqueous phase liquid (LNAPL) were also investigated at each area that was further investigated. LNAPL was not detected at the Property during any of the subsurface investigations. Refer to **Table 1** and **Table 2** for soil and groundwater data compared to EGLE December 2020 Residential and Non-Residential Criteria. Refer to **Figure 2** for soil and groundwater investigation locations.

Shallow groundwater across the Site generally flows towards the southwest. Offsite wells downgradient of the Property are located along Saint Clair Street and East Montcalm Street and act as indicators if any significant release occurred from upgradient AOIs as well as other portions of the former Fiero property. These offsite wells have been historically and more recently sampled for VOCs and do not contain concentrations which exceed applicable criteria.

Based on a recent review of data compared to site-specific vapor intrusion (VI) criteria issued by EGLE in 2020, exceedances of chlorinated volatile organic compounds (cVOCs) have been identified at the property boundary. Additional investigation and monitoring activities to investigate and delineate potential cVOC source areas and further evaluate the potential off-site vapor intrusion pathway were initiated in 2020 and are currently ongoing.

Currently anticipated corrective measures associated with the Property include, but are not limited to the following:

- Deed restrictions, including but not limited to the below;
 - o limit the use of the property to commercial or industrial uses (non-residential)
 - o limit the ability to excavate or construct any sub-grade structures without properly managing/disposing of excavated material and implementing appropriate health and safety procedures as required by USEPA and EGLE soil management requirements and OSHA
 - o prohibit extraction or use of groundwater
 - o prohibition of installation of subsurface features unless approved in advance in writing by USEPA or EGLE as applicable and RACER Trust
 - o prohibition of construction and/or occupancy of any new buildings, structures, basements and/or additions to existing structures on the property, unless such construction and/or occupancy incorporates engineering controls designed to eliminate the potential for subsurface vapor phase contaminants or hazardous substances to migrate into the new structure at concentrations greater than the appropriate concentrations protective of public health; or unless prior to the construction and/or occupancy of any structure, an evaluation of the potential for any contaminants or hazardous substances to volatilize into indoor air assures the protection of persons who may be present in the buildings. Plans and/or evaluations must be approved in advance in writing by USEPA or EGLE as applicable.
- Off-site groundwater ordinance which prohibits the installation of wells for groundwater use within the ordinance area, which includes the Property and downgradient areas.

References

- Arcadis. 2012. RCRA Facilities Investigation, Pontiac North Campus. Pontiac, Michigan. July 9.
- Arcadis. 2021. Fiero Property Source Investigation Scope of Work. Pontiac, Michigan. September 7.
- Arcadis. 2021. Vapor Intrusion Conceptual Site Model, Pontiac North Campus – Former Fiero Properties. Pontiac, Michigan. September 8.
- Arcadis. 2020. RACER Pontiac North Campus, Former Fiero Powerhouse Panhandle Environmental Summary. Pontiac, Michigan. July 16.
- ENCORE. 2001. Current Conditions Report, Pontiac North Campus, Volume I of IV. General Motors Corporation. Pontiac, Michigan. January 31.
- Environmental Corporate Remediation (ENCORE). 2002. RCRA Facility Investigation (RFI) Report, Pontiac North Campus. General Motors Corporation. Pontiac, Michigan. April 29.
- ENCORE. 2004. RCRA Facility Investigation (RFI) Work Plan Addendum No. 13. Fiero (Plant 17) Sewer and Subsurface Investigations. Pontiac North Campus. General Motors Corporation. Pontiac, Michigan. September 24.
- PRC. 1992. Preliminary Assessment/Visual Site Inspection (PA/VSI) Report. GM Corporation, Pontiac Fiero Plant. Pontiac, Michigan. November 5.

Attachments

Figures

Figure 1 PNC Site Layout Map

Figure 2 Former Fiero Powerhouse Areas of Interest, Soil Boring, and Monitoring Well Locations

Tables

Table 1 Soil Sample Analytical Summary Table

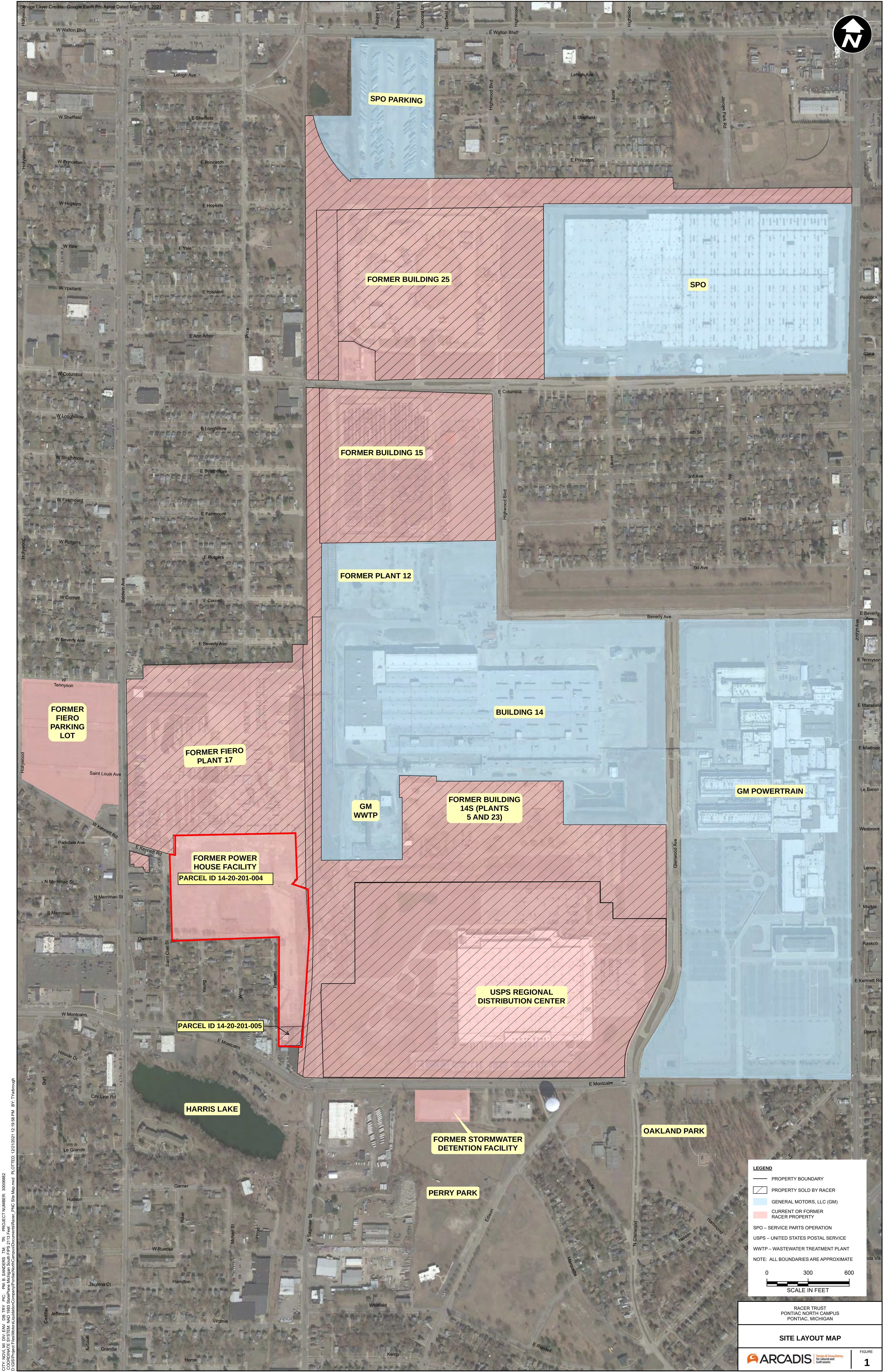
Table 2 Groundwater Sample Analytical Summary Table

Attachments

Attachment 1 Powerhouse Historical Aerial Photographs

Attachment 2 SWMU 4 Clean Closure Certification Letter

Figures



LEGEND

PROPERTY BOUNDARY

PROPERTY SOLD BY RACER

GENERAL MOTORS, LLC (GM)

CURRENT OR FORMER RACER PROPERTY

SPO – SERVICE PARTS OPERATION

USPS – UNITED STATES POSTAL SERVICE

WWTP – WASTEWATER TREATMENT PLANT

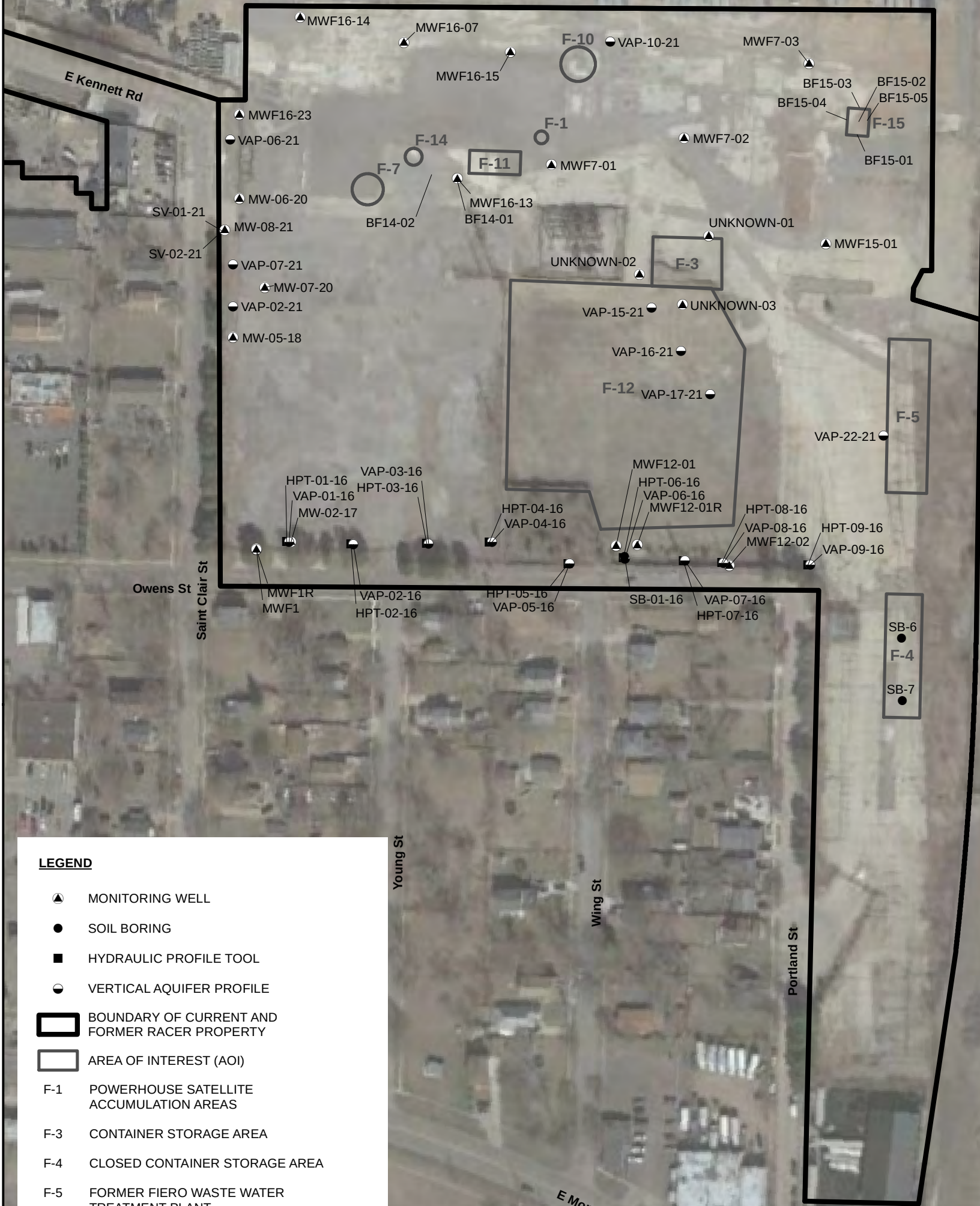
NOTE: ALL BOUNDARIES ARE APPROXIMATE

0300600
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SITE LAYOUT MAP

CITY: NOVI, MI, DIV: ENV, DB: TRY, POC: PM, B. SANDERS, TML: TR, PROJECT NUMBER: 30006882
COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
C:\GIS\Project Files\Novi\ArcGIS\Map Documents\Novi_PNC_Site_Map.mxd, PLOTED: 12/21/2021, 12:19:58 PM, BY: T.Yarborough



LEGEND

- ▲ MONITORING WELL
- SOIL BORING
- HYDRAULIC PROFILE TOOL
- VERTICAL AQUIFER PROFILE
- BOUNDARY OF CURRENT AND FORMER RACER PROPERTY
- AREA OF INTEREST (AOI)
- F-1 POWERHOUSE SATELLITE ACCUMULATION AREAS
- F-3 CONTAINER STORAGE AREA
- F-4 CLOSED CONTAINER STORAGE AREA
- F-5 FORMER FIERO WASTE WATER TREATMENT PLANT
- F-7 WASTE COLLECTION SUMPS
- F-10 HIGH-PRESSURE FLY ASH SILO
- F-11 LOW-PRESSURE FLY ASH SILOS
- F-12 COAL STORAGE AREA
- F-14 FUEL AST AREA
- F-15 OIL/SOLVENT CATCH BASIN

NOTE:
PER THE ATEC ASSOCIATES, INC. 1999
ENVIRONMENTAL SITE ASSESSMENT, ANALYTICAL
DATA FROM SOIL BORINGS SB-6 AND SB-7 DID NOT
CONTAIN VOLATILE ORGANIC COMPOUNDS (VOCs) OR
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
ABOVE THE LABORATORY QUANTITATION LIMIT.



RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

**FORMER FIERO PROPERTY
AREAS OF INTEREST, SOIL BORING,
AND MONITORING WELL LOCATIONS**



FIGURE

Tables

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF1 MWF1-S(0-2) 0.25 2 7/18/2001	MWF1 MWF1-S(8-10) 8 10 7/18/2001	MWF1 MWF1-S(24-26) 24 26 7/18/2001	BF14-01 BF14-01-S(0-2)-N 0.5 2 7/27/2001	BF14-01 BF14-01-S(8-10)-N 8 10 7/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 2320 U	< 2400 U	< 2100 U	NA	NA
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	4730	4060	3370	NA	NA
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	34800	17000	3720	NA	NA
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	56.8 J	< 120 U	< 105 U	NA	NA
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	< 579 U	< 600 U	< 524 U	NA	NA
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	12300	6660	3370	NA	NA
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	6380	3010	1570	NA	NA
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	13400	11100	3680	NA	NA
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	6840	4220	1800	38900	10500
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	328000	221000	91400	NA	NA
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	14.2 J	15.2 J	< 34.6 U	NA	NA
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	16500	8780	3400	NA	NA
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 579 U	< 600 U	< 524 U	NA	NA
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 579 U	< 600 U	< 524 U	NA	NA
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	780 J	< 1200 U	< 1050 U	NA	NA
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	16700	10700	4570	NA	NA
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	38500	29800	13500	NA	NA
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	86.3	83.3	95.4	NA	NA
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	88.7	81.2

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF14-01 BF14-01-S(18-20)-N 18 20 7/27/2001	BF14-02 BF14-02-S(0-2)-N 0.3 2 7/27/2001	BF14-02 BF14-02-S(8-10)-N 8 10 7/27/2001	BF14-02 BF14-02-S(18-20)-N 18 20 7/27/2001	MWF12-01 BMWF12-01(0-2) 0 2 8/7/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	NA	NA	NA	NA	< 2260 U
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	NA	NA	NA	NA	11900
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	NA	NA	NA	NA	32500
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	NA	NA	NA	NA	721
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	NA	NA	NA	NA	326 J
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	9630
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	NA	NA	NA	NA	8150
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	NA	NA	NA	NA	19200
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	3740	39700	7920	3880	18000
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	NA	NA	NA	NA	260000
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	NA	NA	NA	NA	47.1
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	NA	NA	NA	NA	16500
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	NA	NA	NA	NA	1110
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	NA	NA	NA	NA	< 566 U
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	NA	NA	NA	NA	< 1130 U
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	NA	NA	NA	NA	12100
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	NA	NA	NA	NA	120000
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	88.4
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	85.7	85.9	79.7	86.5	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF12-01 BMWFW12-01(8-10) 8 10 8/7/2001	MWF12-01 BMWFW12-01(12-14) 12 14 8/7/2001	MWF12-01 BMWFW12-01-S(16-18) 16 18 8/7/2001	MWF12-02 BMWFW12-02-S(0-2) 0 2 8/14/2001	MWF12-02 BMWFW12-02-S(8-10) 8 10 8/14/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 2320 U	< 2330 U	< 2230 U	< 2070 U	< 2370 U
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	4250	< 583 U	19350 J	1970	3230
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	10900	< 1170 U	4360 J	4970	7550
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	106 J	< 117 U	936 J	104	136
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	< 581 U	< 583 U	568	156 J	166 J
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	4730	< 1170 U	5950 J	3400	4350
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	1640	< 1170 U	15300 J	2240	3880
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	11900	< 583 U	29200	4830	9050
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	3680	< 233 U	2010	2280	3420
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	62900	< 1170 U	189000 J	111000	268000
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	< 38.3 U	< 38.4 U	< 36.7 U	< 34.1 U	< 39.1 U
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	5200	< 2330 U	16000 J	12000	19300
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 581 U	< 583 U	< 556 U	< 517 U	< 593 U
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 581 U	< 583 U	< 556 U	< 517 U	< 593 U
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	< 1160 U	< 1170 U	< 1110 U	< 1030 U	< 1190 U
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	8270	< 1170 U	5090 J	5790	8540
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	23300	< 1170 U	90000 J	26200	33000
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	86.1	85.8	89.9	96.7	84.4
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF12-02 BMW12-02-S(15-17) 15 17 8/14/2001	MWF7-01 BMW7-01-S(0-2) 0.7 2 9/20/2001	MWF7-01 BMW7-01-S(0-2)R2 0.7 2 9/20/2001	MWF7-01 BMW7-01-S(8-10) 8 10 9/20/2001	MWF7-01 BMW7-01-S(20-22) 20 22 9/20/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 2120 U	646 J	NA	3080	< 2140 U
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	7230	13800	NA	39400	3750
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	11300	76400	NA	205000	6820
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	100 J	365	NA	995	< 107 U
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	135 J	289 J	NA	412 J	93.6 J
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5130	38900	NA	335000	4640
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	2160	6300	NA	7160	2210
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	5250	29700	NA	39100	4180
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	3600	92600	NA	496000	2600
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	226000	246000	NA	236000	202000
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	< 35.0 U	NA	293	302	< 35.3 U
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	10700	29300 J	NA	134000 J	5550 J
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 530 U	1020	NA	10500	< 535 U
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 530 U	< 548 U	NA	< 738 U	< 535 U
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	< 1060 U	< 1100 U	NA	912 J	< 1070 U
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	6670	15100	NA	21500	4890
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	23000	86600	NA	119000	17500
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	94.3	91.2	NA	67.7	93.5
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF7-02 BMW7-02-S(0-2) 0.7 2 9/24/2001	MWF7-02 BMW7-02-S(8-10) 8 10 9/24/2001	MWF7-02 BMW7-02-S(18-20) 18 20 9/24/2001	BF15-01 BF15-01-S(0-2)-N 0 2 9/27/2001	BF15-01 DUP-038-S(0-0)-N 0 2 9/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 2060 U	< 2230 U	< 2550 U	< 521 U	< 539 U
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	3350	4940	4110	4310	4230
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	9550	27600	15900	13400	11600
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	< 103 U	64.9 J	< 128 U	166	154
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	114 J	151 J	177 J	173 J	206 J
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	4740	9840	8170	7040	5270
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	2310	5880	3990	4440	4220
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	6640	14600	16500	12000	12300
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	5700	5230	5460	8660	5430
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	170000	273000	303000	242000	234000
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	< 34.0 U	< 36.7 U	< 42.1 U	36.3 J	< 9.2 U
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	6150 J	14900 J	10700 J	8600	8120
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 515 U	< 557 U	511 J	< 330 U	< 341 U
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 515 U	< 557 U	< 638 U	< 160 U	< 165 U
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	< 1030 U	< 1110 U	< 1280 U	< 532 U	564 J
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	6460	14700	10900	8200	8900
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	25900 J	34800	31800	43400	46500
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	97.1	89.8	78.3	NA	NA
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	94.0	90.8

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-01 BF15-01-S(8-10)-N 8 10 9/27/2001	BF15-01 BF15-01-S(18-20)-N 18 20 9/27/2001	MWF15-01 BMW15-S(0-2)-N 0.6 2 10/3/2001	MWF15-01 BMW15-S(8-10)-N 8 10 10/3/2001	MWF15-01 BMW15-S(18-20)-N 18 20 10/3/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 566 U	< 552 U	< 509 U	< 585 U	< 546 U
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	5450	8540	3440	29530	7210
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	41900	48300	6660	24400	8280
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	423	384	115	161	243
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	245 J	258 J	287 J	169 J	178 J
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	12500	12100	3510	6310	15600
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	7640	6910	2010	1870	1940
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	14800	16400	7840	25500	21600
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	7220	6800	3670	10400	5120
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	582000	341000	137000	46500	44000
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	25.7 J	39.2 J	< 8.7 U	< 10.0 U	32.2 J
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	17800	18100	6280	5380	5380
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 358 U	< 349 U	< 322 U	3720	< 345 U
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 173 U	< 169 U	< 156 U	< 179 U	< 167 U
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	< 577 U	< 564 U	< 520 U	< 597 U	< 557 U
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	17500	15700	6490	14500	7890
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	43400	43400	32700	25700	24500
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	86.6	88.7	96.2	83.7	89.8

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-02 BF15-02-S(0-2)	BF15-02 BF15-02-S(20-24)	BF15-02 BF15-02-S(8-10)	BF15-03 BF1503MS(8-10)	BF15-03 BF1503S(0-2)	BF15-03 BF1503S(0-2)DL
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE	1/7/2002	1/30/2002	1/30/2002	7/23/2003	7/23/2003	7/23/2003
Metals																		
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 2400 U	313 J	< 2290 U	NA	NA	NA
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	4040	4260	1870	NA	NA	NA
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	60000 J	36200	37400	NA	NA	NA
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	434 J	112 J	118	NA	NA	NA
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	1350	35.5 J	51.9 J	NA	NA	NA
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	14700 J	9870	10500	NA	NA	NA
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	7360 J	6370	5050	NA	NA	NA
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	65000	15100	12100	NA	NA	NA
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	30100 J	6070	6350	NA	NA	NA
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	400000 J	336000	285000	NA	NA	NA
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	< 39.5 U	26.4 J	34.8 J	NA	NA	NA
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	17900 J	16300 J	13100	NA	NA	NA
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 599 U	< 569 U	< 572 U	NA	NA	NA
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 599 U	< 569 U	< 572 U	NA	NA	NA
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	< 1200 U	901 J	715 J	NA	NA	NA
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	20200	12600	13000	NA	NA	NA
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	80400 J	37200	33200	NA	NA	NA
Miscellaneous																		
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	83.5	87.9	87.4	74.5	95.0	NA
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID													BF15-03	BF15-04	BF15-04	MWF7-03	MWF7-03	BF15-04
Sample ID													BF1503S(27-29)	BF1504S(0-2)	BF1504S(6-8)	MWF703S(11-13)	MWF703S(7-9)	BF1504S(26-28)
Start Depth (ft. bgs)													27	0.6	6	11	7	26
End Depth (ft. bgs)													29	2	8	13	9	28
Sample Date													7/23/2003	7/23/2003	7/23/2003	7/24/2003	7/24/2003	7/29/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
Metals																		
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	NA	NA	NA	< 2100 UJ	434 J	NA
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	NA	NA	NA	1010	6960	NA
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	NA	NA	NA	13100	35700	NA
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	NA	NA	NA	< 105 UJ	176 J	NA
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	NA	NA	NA	< 524 U	< 583 U	NA
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	4760 J	14200 J	NA
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	NA	NA	NA	3410	7970	NA
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	NA	NA	NA	7300 J	18800 J	NA
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	NA	NA	NA	3830 J	7870 J	NA
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	NA	NA	NA	101000	284000	NA
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	NA	NA	NA	< 34.6 U	< 38.5 U	NA
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	NA	NA	NA	7870	20500	NA
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	NA	NA	NA	< 524 U	< 583 U	NA
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	NA	NA	NA	< 524 U	< 583 U	NA
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	NA	NA	NA	379 J	1140 J	NA
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	NA	NA	NA	7760 J	19100 J	NA
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	NA	NA	NA	12500 J	44600 J	NA
Miscellaneous																		
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	87.5	81.9	84.0	95.4	85.8	80.0
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-05 BF1505S(0-2) 0.7 2 7/29/2003	BF15-05 BF1505S(10-12) 10 12 7/29/2003	BF15-05 BF1505S(12-13) 12 13 7/29/2003	BF15-05 BF1505S(30-32) 30 32 7/29/2003	MWF16-07 MWF16-07-S(0-2)102804 0 2 10/28/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
Metals																	
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	NA	NA	NA	NA	910 J
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	NA	NA	NA	NA	5600
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	NA	NA	NA	NA	52800
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	NA	NA	NA	NA	< 360 U
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	NA	NA	NA	NA	100 J
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	11600
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	NA	NA	NA	NA	4000
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	NA	NA	NA	NA	15900
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	NA	NA	NA	NA	105000
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	NA	NA	NA	NA	188000
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	NA	NA	NA	NA	200
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	NA	NA	NA	NA	10900
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	NA	NA	NA	NA	< 560 U
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	NA	NA	NA	NA	< 560 U
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	NA	NA	NA	NA	< 1100 U
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	NA	NA	NA	NA	12000
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	NA	NA	NA	NA	40500
Miscellaneous																	
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	96.3	81.1	84.1	83.9	88.8
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF16-07 MWF16-07-S(18-20)102804 18 20 10/28/2004	MWF16-07 MWF16-07-S(8-10)102804 8 10 10/28/2004	SV-01-21 SV-01-21 SO-052521(14-15) 14 15 5/25/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
Metals															
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	< 1200 U	< 1200 U	NA
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	1300	4400	NA
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	36600	41400	NA
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	< 440 U	< 430 U	NA
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	< 600 U	< 590 U	NA
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	15600	13900	NA
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	6200	7200	NA
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	17500	12500	NA
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	8400	8100	NA
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	109000	228000	NA
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	10 J	9.8 J	NA
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	17100	17100	NA
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	< 600 U	< 590 U	NA
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	< 600 U	< 590 U	NA
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	< 1200 U	< 1200 U	NA
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	19700	19000	NA
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	69000	50500	NA
Miscellaneous															
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	83.6	84.2	94
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													SV-02-21 DUP-01_SO-052521	SV-02-21 SV-02-21_SO-052521(14-15)	SV-02-21 SV-02-21_SO-052521(23-24)
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE	14 15 5/25/2021	14 15 5/25/2021	23 24 5/25/2021
Metals															
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--	NA	NA	NA
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--	NA	NA	NA
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--	NA	NA	NA
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--	NA	NA	NA
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--	NA	NA	NA
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--	NA	NA	NA
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--	NA	NA	NA
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--	NA	NA	NA
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--	NA	NA	NA
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780	NA	NA	NA
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--	NA	NA	NA
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--	NA	NA	NA
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--	NA	NA	NA
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--	NA	NA	NA
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--	NA	NA	NA
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--	NA	NA	NA
Miscellaneous															
Total solids	%	--	--	--	--	--	--	--	--	--	--	--	94	92	97
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



													Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date	MW-08-21 SO-052521(14-15) 14 15 5/26/2021	MW-08-21 SO-052521(23-24) 23 24 5/26/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
Metals															
Antimony	ug/kg	4300	4300	94000	180000	670000	--	--	--	--	--	--		NA	NA
Arsenic	ug/kg	4600	4600	4600	7600	37000	--	--	--	--	--	--		NA	NA
Barium	ug/kg	1300000	1300000	--	37000000	130000000	--	--	--	--	--	--		NA	NA
Beryllium	ug/kg	51000	51000	--	410000	1600000	--	--	--	--	--	--		NA	NA
Cadmium	ug/kg	6000	6000	--	550000	2100000	--	--	--	--	--	--		NA	NA
Chromium	ug/kg	--	--	--	--	--	--	--	--	--	--	--		NA	NA
Cobalt	ug/kg	800	2000	2000	2600000	9000000	--	--	--	--	--	--		NA	NA
Copper	ug/kg	5800000	5800000	--	20000000	73000000	--	--	--	--	--	--		NA	NA
Lead	ug/kg	700000	700000	--	400000	900000	--	--	--	--	--	--		NA	NA
Manganese	ug/kg	1000	1000	--	25000000	90000000	--	--	--	--	--	--		NA	NA
Mercury	ug/kg	1700	1700	50	160000	580000	22	22	790	520	1200	780		NA	NA
Nickel	ug/kg	100000	100000	--	40000000	150000000	--	--	--	--	--	--		NA	NA
Selenium	ug/kg	4000	4000	400	2600000	9600000	--	--	--	--	--	--		NA	NA
Silver	ug/kg	4500	13000	100	2500000	9000000	--	--	--	--	--	--		NA	NA
Thallium	ug/kg	2300	2300	4200	35000	130000	--	--	--	--	--	--		NA	NA
Vanadium	ug/kg	72000	990000	430000	750000	5500000	--	--	--	--	--	--		NA	NA
Zinc	ug/kg	2400000	5000000	--	170000000	630000000	--	--	--	--	--	--		NA	NA
Miscellaneous															
Total solids	%	--	--	--	--	--	--	--	--	--	--	--		83	96
Total solids (residue)	%	--	--	--	--	--	--	--	--	--	--	--		NA	NA

Table 1
Soil Sample Analytical Summary Table - PCBs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID		MWF12-01	MWF12-01	MWF12-01	MWF12-01	MWF12-02	MWF12-02	MWF12-02	MWF7-01	MWF7-01	MWF7-01	MWF7-02	MWF7-02	MWF7-02	BF15-01
Sample ID		BMW12-01(0-2)	BMW12-01(8-10)	BMW12-01(12-14)	BMW12-01-S(16-18)	BMW12-02-S(0-2)	BMW12-02-S(8-10)	BMW12-02-S(15-17)	BMW7-01-S(0-2)DL	BMW7-01-S(8-10)DL	BMW7-01-S(20-22)	BMW7-02-S(0-2)	BMW7-02-S(8-10)	BMW7-02-S(18-20)	BF15-01-S(0-2)-N
Start Depth (ft. bgs)		0	8	12	16	0	8	15	0.7	8	20	0.7	8	18	0
End Depth (ft. bgs)		2	10	14	18	2	10	17	2	10	22	2	10	20	2
Sample Date		8/7/2001	8/7/2001	8/7/2001	8/7/2001	8/14/2001	8/14/2001	8/14/2001	9/20/2001	9/20/2001	9/20/2001	9/24/2001	9/24/2001	9/24/2001	9/27/2001
Chemical Name	Units														
PCBS															
Aroclor-1016 (PCB-1016)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	< 360 U	< 490 U	< 35 U	< 34 U	< 37 U	< 42 U	< 5.6 U
Aroclor-1221 (PCB-1221)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	< 360 U	< 490 U	< 35 U	< 34 U	< 37 U	< 42 U	< 20 U
Aroclor-1232 (PCB-1232)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	< 360 U	< 490 U	< 35 U	< 34 U	< 37 U	< 42 U	< 12 U
Aroclor-1242 (PCB-1242)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	< 360 U	< 490 U	< 35 U	< 34 U	< 37 U	< 42 U	< 19 U
Aroclor-1248 (PCB-1248)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	< 360 U	< 490 U	< 35 U	< 34 U	< 37 U	< 42 U	< 4.9 U
Aroclor-1254 (PCB-1254)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	1600	1400	< 35 U	< 34 U	< 37 U	< 42 U	< 21 U
Aroclor-1260 (PCB-1260)	ug/kg	< 37 U	< 38 U	< 38 U	< 37 U	< 34 U	< 39 U	< 35 U	< 360 U	< 490 U	< 35 U	< 34 U	< 37 U	< 42 U	< 7.9 U

Table 1
Soil Sample Analytical Summary Table - PCBs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID		BF15-01	BF15-01	BF15-01	MWF15-01	MWF15-01	MWF15-01	BF15-02	BF15-02	BF15-02	MWF7-03	MWF7-03	MWF16-07	MWF16-07	MWF16-07
Sample ID		DUP-038-S(0-0)-N	BF15-01-S(8-10)-N	BF15-01-S(18-20)-N	BMWF15-S(0-2)-N	BMWF15-S(8-10)-N	BMWF15-S(18-20)-N	BF15-02-S(0-2)	BF15-02-S(20-24)	BF15-02-S(8-10)	MWF703S(7-9)	MWF703S(11-13)	MWF16-07-S(0-2)102804	MWF16-07-S(18-20)102804	MWF16-07-S(8-10)102804
Start Depth (ft. bgs)		0	8	18	0.6	8	18	4.3	24	12	7	11	0	18	8
End Depth (ft. bgs)		2	10	20	2	10	20	6.3	28	14	9	13	2	20	10
Sample Date		9/27/2001	9/27/2001	9/27/2001	10/3/2001	10/3/2001	10/3/2001	1/7/2002	1/30/2002	1/30/2002	7/24/2003	7/24/2003	10/28/2004	10/28/2004	10/28/2004
Chemical Name	Units														
PCBS															
Aroclor-1016 (PCB-1016)	ug/kg	< 5.8 U	< 6.1 U	< 30 U	< 5.5 U	< 6.3 U	< 5.9 U	< 40 U	< 38 U	< 38 U	< 38 U	< 35 U	< 37 U	< 39 U	< 39 U
Aroclor-1221 (PCB-1221)	ug/kg	< 21 U	< 22 U	< 110 U	< 20 U	< 23 U	< 21 U	< 40 U	< 38 U	< 38 U	< 38 UJ	< 35 UJ	< 37 U	< 39 U	< 39 U
Aroclor-1232 (PCB-1232)	ug/kg	< 12 U	< 13 U	< 62 U	< 11 U	< 13 U	< 12 U	< 40 U	< 38 U	< 38 U	< 38 U	< 35 U	< 37 U	< 39 U	< 39 U
Aroclor-1242 (PCB-1242)	ug/kg	< 20 U	< 21 U	< 100 U	< 19 U	< 22 U	< 20 U	< 40 U	< 38 U	< 38 U	< 38 U	< 35 U	< 37 U	< 39 U	< 39 U
Aroclor-1248 (PCB-1248)	ug/kg	< 5.1 U	< 5.3 U	< 26 U	< 4.8 U	< 5.5 U	< 5.1 U	< 40 U	< 38 U	< 38 U	< 38 U	< 35 U	< 37 U	< 39 U	< 39 U
Aroclor-1254 (PCB-1254)	ug/kg	< 22 U	< 23 U	< 110 U	< 21 U	< 24 U	< 22 U	< 40 U	< 38 U	< 38 U	< 38 U	< 35 U	< 37 U	< 39 U	< 39 U
Aroclor-1260 (PCB-1260)	ug/kg	< 8.1 U	< 8.5 U	< 42 U	11 J	< 8.8 U	< 8.2 U	< 40 U	< 38 U	< 38 U	< 38 U	< 35 U	< 37 U	< 39 U	< 39 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF1 MWF1-S(0-2) 2 7/18/2001	MWF1 MWF1-S(24-26) 24 26 7/18/2001	MWF1 MWF1-S(8-10) 8 10 7/18/2001	BF14-01 BF14-01-S(0-2)-N 0.5 2 7/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE				
SVOCs																
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 59 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 62 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 71 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 56 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 90 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 1800 U	< 2000 U	< 120 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 52 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 54 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 54 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 380 U	< 350 U	< 400 U	< 59 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 380 U	< 350 U	< 400 U	< 54 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 52 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 UJ	< 1800 U	< 2000 U	< 52 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 52 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 2300 U	< 2100 U	< 2400 U	< 44 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 1800 U	< 2000 U	< 160 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 2000 U	< 1800 U	< 2000 U	< 180 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 69 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 58 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1500 U	< 1400 U	< 1600 U	< 58 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 59 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 53 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 UJ	< 1800 U	< 2000 U	< 77 UJ
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 UJ	< 1800 U	< 2000 U	< 210 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 380 U	< 350 U	< 400 U	< 58 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 53 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 380 U	< 350 U	< 400 U	< 56 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 380 U	< 350 U	< 400 U	< 55 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 170 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 190 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 380 U	< 350 U	< 400 U	77 J
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	77 J
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	67 J
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 62 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 60 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 160 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 53 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 380 U	< 350 U	< 400 U	< 58 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 380 U	< 350 U	270 J	< 61 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 58 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 200 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 59 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	83 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 58 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 380 U	< 350 U	< 400 U	< 56 U
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 170 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 180 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 170 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 61 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	120 J
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 380 U	< 350 U	< 400 U	< 54 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 380 U	< 350 U	< 400 U	< 63 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 380 U	< 350 U	< 400 U	< 51 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 380 U	< 350 U	< 400 U	< 68 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 120 U	< 100 U	< 120 U	< 54 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 79 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 50 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 380 U	< 350 U	< 400 U	< 55 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 380 U	< 350 U	< 400 U	< 52 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 50 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 55 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 3900 U	< 3600 U	< 4100 U	< 140 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 380 U	< 350 U	< 400 U	< 59 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 380 U	< 350 U	< 400 U	< 55 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 380 U	< 350 U	< 400 U	130 J

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF14-01 BF14-01-S(18-20)-N 18 20 7/27/2001	BF14-01 BF14-01-S(8-10)-N 8 10 7/27/2001	BF14-02 BF14-02-S(0-2)-N 0.3 2 7/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 61 U	< 64 U	< 61 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 64 U	< 68 U	< 64 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 74 U	< 78 U	< 73 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 58 U	< 62 U	< 58 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 93 U	< 99 U	< 93 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 130 U	< 140 U	< 130 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 54 U	< 57 U	< 54 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 56 U	< 59 U	< 56 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 56 U	< 59 U	< 56 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 61 U	< 64 U	< 61 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 56 U	< 59 U	< 56 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 54 U	< 57 U	< 54 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 54 U	< 57 U	< 54 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 54 U	< 57 U	< 54 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 46 U	< 48 U	< 45 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 160 U	< 170 U	< 160 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 190 U	< 200 U	< 190 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 71 U	< 75 U	< 71 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 60 U	< 63 U	< 59 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 60 U	< 63 U	< 59 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 61 U	< 64 U	< 61 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 55 U	< 58 U	< 55 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 79 UJ	< 84 UJ	< 79 UJ
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 220 U	< 230 U	< 220 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 60 U	< 63 U	< 59 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 55 U	< 58 U	< 55 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 58 U	< 62 U	< 58 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 57 U	< 60 U	< 57 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 180 U	< 180 U	< 170 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 210 U	< 200 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 64 U	< 68 U	180 J
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 70 U	< 74 U	170 J
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 68 U	< 71 U	230 J
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 64 U	< 68 U	110 J
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 62 U	< 65 U	110 J
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 160 U	< 170 U	< 160 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 55 U	< 58 U	< 55 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 60 U	< 63 U	< 59 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 63 U	< 67 U	< 63 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 60 U	< 63 U	< 59 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 210 U	< 220 U	< 210 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 61 U	< 64 U	< 61 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 54 U	< 57 U	210 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 60 U	< 63 U	< 59 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 58 U	< 62 U	< 58 U
Diethyl phthalate	ug/kg	110000	320000	2200	17000000	550000000	--	--	--	--	--	--	< 180 U	< 180 U	< 170 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 190 U	< 200 U	< 190 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 180 U	< 180 U	< 170 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 63 U	< 67 U	< 63 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 65 U	< 69 U	420
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 56 U	< 59 U	< 56 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 65 U	< 69 U	< 65 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 53 U	< 55 U	< 52 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 70 U	< 74 U	< 70 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 56 U	< 59 U	< 56 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 82 U	< 86 U	88 J
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 51 U	< 54 U	< 51 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 57 U	< 60 U	< 57 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 54 U	< 57 U	< 54 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 51 U	< 54 U	< 51 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 57 U	< 60 U	< 57 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 140 U	< 150 U	< 140 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 61 U	< 64 U	120 J
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 57 U	< 60 U	< 57 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 60 U	< 63 U	330 J

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Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF14-02 BF14-02-S(18-20)-N 18 20 7/27/2001	BF14-02 BF14-02-S(8-10)-N 8 10 7/27/2001	MWF12-01 BMW12-01(0-2) 0 2 8/7/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 60 U	< 65 U	< 370 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 64 U	< 69 U	< 370 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	33000000	--	--	--	--	--	--	< 73 U	< 79 U	< 370 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	39000000	--	--	--	--	--	--	< 58 U	< 63 U	< 370 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 93 U	< 100 U	< 370 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 130 U	< 140 U	< 1900 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 53 U	< 58 U	< 370 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 56 U	< 60 U	< 370 U
2-Chloronaphthalene	ug/kg	620000	18000000	--	56000000	180000000	--	--	--	--	--	--	< 56 U	< 60 U	< 370 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 60 U	< 65 U	< 370 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 56 U	< 60 U	630
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 53 U	< 58 U	< 370 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 53 U	< 58 U	< 1900 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 53 U	< 58 U	< 370 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 45 U	< 49 U	< 2300 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 160 U	< 180 U	< 1900 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 190 U	< 200 U	< 1900 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 71 U	< 77 U	< 370 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 59 U	< 64 U	< 370 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 59 U	< 64 U	< 1500 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 60 U	< 65 U	< 370 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 54 U	< 59 U	< 370 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 79 U	< 85 U	< 1900 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 220 U	< 240 U	< 1900 U
Acenaphthene	ug/kg	300000	8800000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 59 U	< 64 U	< 370 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 54 U	< 59 U	< 370 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 58 U	< 63 U	< 370 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 57 U	< 61 U	< 370 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 170 U	< 190 U	< 370 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 210 U	< 370 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 64 U	< 69 U	83 J
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 69 U	< 75 U	81 J
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 67 U	< 73 U	140 J
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 64 U	< 69 U	72 J
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 61 U	< 67 U	< 370 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 160 U	< 180 U	< 370 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 54 U	< 59 U	< 370 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 59 U	< 64 U	< 370 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 62 U	< 68 U	87 J
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 59 U	< 64 U	130 J
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 210 U	< 230 U	< 370 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 60 U	< 65 U	< 370 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 53 U	< 58 U	120 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 59 U	< 64 U	< 370 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 58 U	< 63 U	130 J
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 170 U	< 190 U	< 370 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 190 U	< 200 U	< 370 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 170 U	< 190 U	< 370 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 62 U	< 68 U	< 370 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 65 U	< 70 U	150 J
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 56 U	< 60 U	< 370 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 65 U	< 70 U	< 370 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 52 U	< 56 U	< 370 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 69 U	< 75 U	< 370 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 56 U	< 60 U	< 110 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 81 U	< 88 U	< 370 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 51 U	< 55 U	< 370 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 57 U	< 61 U	390
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 53 U	< 58 U	< 370 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 51 U	< 55 U	< 370 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 57 U	< 61 U	< 370 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 140 U	< 150 U	< 3800 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 60 U	< 65 U	280 J
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 57 U	< 61 U	< 370 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 59 U	< 64 U	160 J

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Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF12-01 BMWF12-01(12-14) 12 14 8/7/2001	MWF12-01 BMWF12-01(8-10) 8 10 8/7/2001	MWF12-01 BMWF12-01-S(16-18) 16 18 8/7/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 2000 U	< 1900 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 380 U	< 380 U	< 370 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 380 U	< 380 U	< 370 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 2000 U	< 1900 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 2300 U	< 2300 U	< 2200 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 2000 U	< 1900 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 2000 U	< 2000 U	< 1900 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1500 U	< 1500 U	< 1400 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 2000 U	< 1900 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 2000 U	< 2000 U	< 1900 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 380 U	< 380 U	< 370 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 380 U	< 380 U	< 370 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 380 U	< 380 U	< 370 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 380 U	< 380 U	< 370 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 380 U	< 380 U	< 370 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 380 U	< 380 U	76 J
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 380 U	< 380 U	< 370 U
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	210 J	< 380 U	< 370 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 380 U	< 380 U	< 370 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 380 U	< 380 U	< 370 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 380 U	< 380 U	< 370 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 380 U	< 380 U	< 370 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 120 U	< 120 U	< 110 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 380 U	< 380 U	< 370 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 380 U	< 380 U	< 370 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 4000 U	< 4000 U	< 3800 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 380 U	< 380 U	< 370 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 380 U	< 380 U	< 370 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 380 U	< 380 U	< 370 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF12-02 BMWFW12-02-S(0-2) 0 2 8/14/2001	MWF12-02 BMWFW12-02-S(15-17) 15 17 8/14/2001	MWF12-02 BMWFW12-02-S(8-10) 8 10 8/14/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 2000 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 340 U	< 350 U	< 390 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 340 U	< 350 U	< 390 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 2000 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 2100 U	< 2100 U	< 2400 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 2000 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 1800 U	< 1800 U	< 2000 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1300 U	< 1400 U	< 1500 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 2000 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 2000 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 340 U	< 350 U	< 390 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 340 U	< 350 U	< 390 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 340 U	< 350 U	< 390 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 340 U	< 350 U	< 390 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 340 U	< 350 U	< 390 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 340 U	< 350 U	< 390 U
Diethyl phthalate	ug/kg	110000	320000	2200	17000000	55000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Fluorene	ug/kg	390000	8900000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 340 U	< 350 U	< 390 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 340 U	< 350 U	< 390 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 340 U	< 350 U	< 390 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 340 U	< 350 U	< 390 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 100 U	< 110 U	< 120 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 340 U	< 350 U	< 390 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 340 U	< 350 U	< 390 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 3500 U	< 3600 U	< 4000 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 340 U	< 350 U	< 390 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 340 U	< 350 U	< 390 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 340 U	< 350 U	< 390 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF7-01 BMW7-01-S(0-2) 0.7 2 9/20/2001	MWF7-01 BMW7-01-S(20-22) 20 22 9/20/2001	MWF7-01 BMW7-01-S(8-10)R2 8 10 9/20/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 2500 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 360 U	< 350 U	< 490 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	240 J	< 350 U	1200
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 2500 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 2200 U	< 2100 U	< 3000 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 2500 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 1900 U	< 1800 U	< 2500 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1400 U	< 1400 U	< 1900 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 2500 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 2500 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 360 U	< 350 U	< 490 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 360 U	< 350 U	< 490 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	67 J	< 350 U	< 490 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	420	< 350 U	320 J
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	400	< 350 U	350 J
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	600	< 350 U	410 J
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	190 J	< 350 U	300 J
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	170 J	< 350 U	240 J
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 360 U	< 350 U	< 490 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	110 J	< 350 U	310 J
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	270 J	< 350 U	400 J
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	430	< 350 U	450 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	67 J	< 350 U	< 490 UJ
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	60 J	< 350 U	270 J
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	700	< 350 U	620
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 360 U	< 350 U	< 490 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 360 U	< 350 U	< 490 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 360 U	< 350 U	< 490 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 360 U	< 350 U	< 490 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 110 U	< 110 U	< 150 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	190 J	< 350 U	230 J
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	140 J	< 350 U	830
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 360 U	< 350 U	< 490 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 3700 U	< 3600 U	< 5000 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	390	< 350 U	740
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 360 U	< 350 U	< 490 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	560	< 350 U	520

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF7-02 BMWF7-02-S(0-2) 0.7 2 9/24/2001	MWF7-02 BMWF7-02-S(18-20) 18 20 9/24/2001	MWF7-02 BMWF7-02-S(8-10) 8 10 9/24/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2200 U	< 1900 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 340 U	< 420 U	< 370 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 340 U	< 420 U	< 370 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2200 U	< 1900 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 2100 U	< 2600 U	< 2200 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2200 U	< 1900 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 1800 U	< 2200 U	< 1900 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1300 U	< 1700 U	< 1400 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2200 U	< 1900 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2200 U	< 1900 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 340 U	< 420 U	< 370 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 340 U	< 420 U	< 370 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 340 U	< 420 U	< 370 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 340 U	< 420 U	< 370 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 340 U	< 420 U	< 370 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 340 U	3900	< 370 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 340 U	< 420 U	< 370 U
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Fluorene	ug/kg	390000	8900000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 340 U	< 420 U	< 370 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 340 U	< 420 U	< 370 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 340 U	< 420 U	< 370 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 340 U	< 420 U	< 370 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 100 U	< 130 U	< 110 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 340 U	< 420 U	< 370 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 340 U	< 420 U	< 370 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 3500 U	< 4300 U	< 3800 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 340 U	< 420 U	< 370 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 340 U	< 420 U	< 370 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 340 U	< 420 U	< 370 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-01 BF15-01-S(0-2)-N 0 2 9/27/2001	BF15-01 BF15-01-S(18-20)-N 18 20 9/27/2001	BF15-01 BF15-01-S(8-10)-N 8 10 9/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 55 U	< 59 U	< 60 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 59 U	< 62 U	< 64 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 67 U	< 71 U	< 73 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 53 U	< 56 U	< 58 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 85 U	< 90 U	< 92 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 120 UJ	< 120 UJ	< 130 UJ
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 49 U	< 52 U	< 53 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 51 U	< 54 U	< 55 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 51 U	< 54 U	< 55 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 55 U	< 59 U	< 60 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 51 U	< 54 U	< 55 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 49 U	< 52 U	< 53 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 49 U	< 52 U	< 53 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 49 U	< 52 U	< 53 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 41 U	< 44 U	< 45 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 150 U	< 160 U	< 160 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 170 U	< 180 U	< 180 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 65 U	< 69 U	< 70 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 54 U	< 57 U	< 59 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 54 U	< 57 U	< 59 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 55 U	< 59 U	< 60 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 50 U	< 53 U	< 54 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 72 U	< 77 U	< 79 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 210 U	< 220 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 54 U	< 57 U	< 59 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 50 U	< 53 U	< 54 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 53 U	< 56 U	< 58 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 52 U	< 55 U	< 57 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 160 U	< 170 U	< 170 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 180 U	< 190 U	< 200 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 59 U	< 62 U	< 64 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 64 U	< 68 U	< 69 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 62 U	< 65 U	< 67 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 59 U	< 62 U	< 64 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 56 U	< 60 U	< 61 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 150 U	< 160 U	< 160 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 50 U	< 53 U	< 54 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 54 U	< 57 U	< 59 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 57 U	320 J	< 62 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 54 U	< 57 U	< 59 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 190 U	< 200 U	< 210 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 55 U	< 59 U	< 60 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 49 U	< 52 U	< 53 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 54 U	< 57 U	< 59 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 53 U	< 56 U	< 58 U
Diethyl phthalate	ug/kg	110000	320000	2200	17000000	550000000	--	--	--	--	--	--	< 160 U	< 170 U	< 170 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 170 U	< 180 U	< 180 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 160 U	< 170 U	< 170 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 57 U	< 61 U	< 62 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 60 U	< 63 U	< 65 U
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 51 U	< 54 U	< 55 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 60 U	< 63 U	< 65 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 48 U	< 51 U	< 52 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 64 U	< 68 U	< 69 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 51 U	< 54 U	< 55 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 74 U	< 79 U	< 81 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 47 U	< 50 U	< 51 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 52 U	230 J	120 J
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 49 U	< 52 U	< 53 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 47 U	< 50 U	< 51 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 52 U	< 55 U	< 57 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 130 U	< 140 U	< 140 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 55 U	< 59 U	< 60 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 52 U	< 55 U	< 57 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 54 U	< 57 U	< 59 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-01 DUP-038-S(0-0)-N 0 2 9/27/2001	MWF15-01 BMWF15-S(0-2)-N 0.6 2 10/3/2001	MWF15-01 BMWF15-S(18-20)-N 18 20 10/3/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 57 U	< 54 U	< 58 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 61 U	< 57 U	< 61 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 69 U	< 66 U	< 70 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 55 U	< 52 U	< 56 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 88 U	< 83 U	< 89 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 120 UJ	< 110 U	< 120 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 51 U	< 48 U	< 51 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 53 U	< 50 U	< 53 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 53 U	< 50 U	< 53 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 57 U	< 54 U	< 58 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 53 U	< 50 U	< 53 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 51 U	< 48 U	< 51 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 51 U	< 48 U	< 51 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 51 U	< 48 U	< 51 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 43 U	< 41 U	< 43 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 150 U	< 150 U	< 160 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 180 U	< 170 U	< 180 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 67 U	< 63 U	< 68 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 56 U	< 53 U	< 57 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 56 U	< 53 U	< 57 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 57 U	< 54 U	< 58 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 52 U	< 49 U	< 52 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 75 U	< 71 U	< 76 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 210 U	< 200 U	< 210 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 56 U	< 53 U	< 57 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 52 U	< 49 U	< 52 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 55 U	< 52 U	< 56 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 54 U	< 51 U	< 55 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 170 U	< 160 U	< 170 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 190 U	< 180 U	< 190 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 61 U	< 57 U	< 61 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 66 U	< 62 U	< 67 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 64 U	< 60 U	< 65 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 61 U	< 57 U	< 61 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 58 U	< 55 U	< 59 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 150 U	< 150 U	< 160 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 52 U	< 49 U	< 52 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 56 U	< 53 U	< 57 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 59 U	< 56 U	960
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 56 U	< 53 U	< 57 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 200 U	< 190 U	< 200 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 57 U	< 54 U	< 58 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 51 U	< 48 U	< 51 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 56 U	< 53 U	< 57 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 55 U	< 52 U	< 56 U
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 170 U	< 160 U	< 170 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 180 U	< 170 U	< 180 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 170 U	< 160 U	< 170 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 59 U	< 56 U	< 60 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 62 U	< 58 U	< 62 U
Fluorene	ug/kg	390000	8900000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 53 U	< 50 U	< 53 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 62 U	< 58 U	< 62 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 50 U	< 47 U	< 50 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 66 U	< 62 U	< 67 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 53 U	< 50 U	< 53 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 77 U	< 73 U	< 78 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 48 U	< 46 U	< 49 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 54 U	< 51 U	< 55 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 51 U	< 48 U	< 51 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 48 U	< 46 U	< 49 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 54 U	< 51 U	< 55 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 130 U	< 120 U	< 130 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 57 U	< 54 U	< 58 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 54 U	< 51 U	< 55 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 56 U	< 53 U	< 57 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF15-01 BMW15-S(8-10)-N 8 10 10/3/2001	BF15-02 BF15-02-S(0-2) 4.3 6.3 1/7/2002	BF15-02 BF15-02-S(20-24) 24 28 1/30/2002	BF15-02 BF15-02-S(8-10) 12 14 1/30/2002
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE				
SVOCs																
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 62 U	< 400 U	< 380 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 66 U	< 400 U	< 380 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 75 U	< 400 U	< 380 U	< 380 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 60 U	< 400 U	< 380 U	< 380 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 96 U	< 400 U	< 380 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 130 U	< 2000 U	< 1900 U	< 1900 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 55 U	< 400 U	< 380 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 57 U	< 400 U	< 380 U	< 380 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 57 U	< 400 U	< 380 U	< 380 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 62 U	< 400 U	< 380 U	< 380 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	180 J	1100	< 380 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 55 U	110 J	< 380 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 55 U	< 2000 U	< 1900 U	< 1900 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 55 U	< 400 U	< 380 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 47 U	< 2400 UJ	< 2300 U	< 2300 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 170 U	< 2000 U	< 1900 U	< 1900 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 190 U	< 2000 U	< 1900 U	< 1900 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 73 U	< 400 U	< 380 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 61 U	< 400 U	< 380 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 61 U	< 1600 U	< 1500 U	< 1500 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 62 U	< 400 U	< 380 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 56 U	150 J	< 380 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 81 U	< 2000 U	< 1900 U	< 1900 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 230 U	< 2000 UJ	< 1900 U	< 1900 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 61 U	83 J	< 380 U	< 380 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 56 U	< 400 U	< 380 U	< 380 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 60 U	180 J	< 380 U	< 380 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 59 U	< 400 U	< 380 U	< 380 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 180 U	< 400 U	< 380 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 400 U	< 380 U	< 380 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 66 U	76 J	< 380 U	< 380 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 72 U	< 400 UJ	< 380 U	< 380 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 69 U	< 400 UJ	< 380 U	< 380 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 66 U	< 400 UJ	< 380 U	< 380 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 63 U	< 400 UJ	< 380 U	< 380 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 170 U	< 400 U	< 380 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 56 U	< 400 U	< 380 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 61 U	< 400 U	< 380 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	290 J	910 J	< 380 U	< 380 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 61 U	< 400 UJ	< 380 U	< 380 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 220 U	< 400 U	< 380 U	< 380 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 62 U	63 J	< 380 U	< 380 U
Chrysene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 55 U	200 J	< 380 U	< 380 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 61 U	< 400 UJ	< 380 U	< 380 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 60 U	83 J	< 380 U	< 380 U
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 180 U	< 400 U	< 380 U	< 380 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 190 U	< 400 U	< 380 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 180 U	< 400 UJ	< 380 U	< 380 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 65 U	< 400 U	< 380 U	< 380 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 67 U	440	< 380 U	< 380 U
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 57 U	82 J	< 380 U	< 380 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 67 U	< 400 U	< 380 U	< 380 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 54 U	< 400 U	< 380 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 72 U	< 400 U	< 380 U	< 380 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 57 U	< 120 U	< 110 U	< 110 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 84 U	< 400 UJ	< 380 U	< 380 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 53 U	< 400 U	< 380 U	< 380 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	130 J	630	< 380 U	< 380 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 55 U	< 400 U	< 380 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 53 U	< 400 U	< 380 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 59 U	< 400 U	< 380 U	< 380 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 140 U	< 4100 U	< 3900 U	< 3900 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 62 U	950	< 380 U	< 380 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 59 U	450	< 380 U	< 380 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 61 U	230 J	< 380 U	< 380 U

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF7-03 MWF703S(11-13) 11 13 7/24/2003	MWF7-03 MWF703S(7-9) 7 9 7/24/2003	MWF16-07 MWF16-07-S(0-2)102804DL 0 2 10/28/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
SVOCs															
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 350 R	< 380 R	< 3700 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 R	< 2000 R	< 18000 U
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 350 U	< 380 U	< 3700 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 350 U	< 380 U	< 3700 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2000 U	< 18000 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 2100 U	< 2300 U	< 18000 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2000 U	< 18000 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 1800 R	< 2000 R	< 18000 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1400 U	< 1500 U	< 3700 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2000 U	< 18000 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 2000 U	< 18000 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 350 U	< 380 U	790 J
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 350 U	< 380 U	< 3700 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 350 U	< 380 U	2200 J
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 350 U	< 380 U	3300 J
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 350 U	< 380 U	3300 J
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 350 U	< 380 U	3600 J
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 350 U	< 380 U	2400 J
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 350 U	< 380 U	1600 J
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 350 R	< 380 R	< 3700 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 350 U	< 380 U	< 3700 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 350 U	< 380 U	860 J
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 350 U	< 380 U	3200 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 350 U	< 380 U	500 J
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 350 U	< 380 U	550 J
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 350 U	< 380 U	9000
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 350 U	< 380 U	910 J
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 350 U	< 380 U	< 3700 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 350 U	< 380 U	< 3700 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 350 U	< 380 U	< 18000 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 100 R	< 120 R	< 3700 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 350 U	< 380 U	1900 J
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 350 R	< 380 R	410 J
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 350 R	< 380 R	< 3700 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 3600 U	< 4000 U	< 3700 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 350 U	< 380 U	7900
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 350 U	< 380 U	< 3700 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 350 U	< 380 U	7500

Table 1
Soil Sample Analytical Summary Table - SVOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF16-07 MWF16-07-S(18-20)102804 18 20 10/28/2004	MWF16-07 MWF16-07-S(8-10)102804 8 10 10/28/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE		
SVOCs														
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
2,4,5-Trichlorophenol	ug/kg	39000	110000	--	23000000	73000000	--	--	--	--	--	--	< 390 U	< 390 U
2,4,6-Trichlorophenol	ug/kg	2400	9400	330	710000	3300000	--	--	--	--	--	--	< 390 U	< 390 U
2,4-Dichlorophenol	ug/kg	1500	4200	330	660000	3900000	--	--	--	--	--	--	< 390 U	< 390 U
2,4-Dimethylphenol	ug/kg	7400	20000	7600	11000000	36000000	--	--	--	--	--	--	< 390 U	< 390 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 UJ	< 1900 UJ
2,4-Dinitrotoluene	ug/kg	430	640	--	48000	220000	--	--	--	--	--	--	< 390 U	< 390 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
2-Chloronaphthalene	ug/kg	620000	1800000	--	56000000	180000000	--	--	--	--	--	--	< 390 U	< 390 U
2-Chlorophenol	ug/kg	900	2600	360	1400000	4500000	12000	12000	280000	190000	420000	280000	< 390 U	< 390 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	1700	1700	60000	40000	90000	60000	< 390 U	< 390 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U
2-Nitrophenol	ug/kg	400	1200	--	630000	2000000	--	--	--	--	--	--	< 390 U	< 390 U
3,3'-Dichlorobenzidine	ug/kg	2000	2000	2000	6600	30000	--	--	--	--	--	--	< 1900 U	< 1900 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U
4,6-Dinitro-2-methylphenol	ug/kg	830	830	--	79000	260000	--	--	--	--	--	--	< 1900 UJ	< 1900 UJ
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
4-Chloro-3-methylphenol	ug/kg	5800	16000	280	4500000	15000000	--	--	--	--	--	--	< 390 U	< 390 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U
Acenaphthene	ug/kg	300000	880000	8700	41000000	130000000	210000	200000	7200000	4800000	11000000	7200000	< 390 U	< 390 U
Acenaphthylene	ug/kg	5900	17000	--	1600000	5200000	--	--	--	--	--	--	< 390 U	< 390 U
Acetophenone	ug/kg	30000	88000	--	47000000	150000000	620000	620000	7400000	4900000	11000000	7400000	< 390 U	< 390 U
Anthracene	ug/kg	41000	41000	--	230000000	730000000	13000000	13000000	440000000	290000000	660000000	440000000	< 390 U	< 390 U
Atrazine	ug/kg	60	60	150	71000	330000	--	--	--	--	--	--	< 390 U	< 390 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
Benzo(a)anthracene	ug/kg	--	--	--	20000	80000	160000	160000	22000000	15000000	33000000	22000000	< 390 U	< 390 U
Benzo(a)pyrene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 390 U	< 390 U
Benzo(b)fluoranthene	ug/kg	--	--	--	20000	80000	--	--	--	--	--	--	< 390 U	< 390 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	2500000	7000000	--	--	--	--	--	--	< 390 U	< 390 U
Benzo(k)fluoranthene	ug/kg	--	--	--	200000	800000	--	--	--	--	--	--	< 390 U	< 390 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 390 U	< 390 U
bis(2-Chloroethyl)ether	ug/kg	100	170	100	13000	58000	3.4	3.4	190	130	290	190	< 390 U	< 390 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	2800000	12000000	--	--	--	--	--	--	< 390 U	< 390 U
Butyl benzylphthalate (BBP)	ug/kg	2200000	5000000	120000	36000000	120000000	--	--	--	--	--	--	< 390 U	< 390 U
Caprolactam	ug/kg	120000	340000	--	53000000	310000000	--	--	--	--	--	--	< 390 U	< 390 U
Carbazole	ug/kg	9400	39000	1100	530000	2400000	--	--	--	--	--	--	< 390 U	< 390 U
Chrysene	ug/kg	--	--	--	2000000	8000000	--	--	--	--	--	--	< 390 U	< 390 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	2000	8000	--	--	--	--	--	--	< 390 U	< 390 U
Dibenzofuran	ug/kg	--	--	1700	--	--	7100000	7100000	250000000	170000000	380000000	250000000	< 390 U	< 390 U
Diethyl phthalate	ug/kg	110000	320000	2200	170000000	550000000	--	--	--	--	--	--	< 390 U	< 390 U
Dimethyl phthalate	ug/kg	1500000	4200000	--	1000000000	1000000000	--	--	--	--	--	--	< 390 U	< 390 U
Di-n-butylphthalate (DBP)	ug/kg	960000	2700000	11000	27000000	87000000	--	--	--	--	--	--	< 390 U	< 390 U
Di-n-octyl phthalate (DnOP)	ug/kg	100000000	290000000	--	6900000	20000000	--	--	--	--	--	--	< 390 U	< 390 U
Fluoranthene	ug/kg	730000	730000	5500	46000000	130000000	--	--	--	--	--	--	< 390 U	< 390 U
Fluorene	ug/kg	390000	890000	5300	27000000	87000000	470000	470000	17000000	11000000	25000000	17000000	< 390 U	< 390 U
Hexachlorobenzene	ug/kg	1800	1800	350	8900	37000	6.8	6.7	240	160	360	240	< 390 U	< 390 U
Hexachlorobutadiene	ug/kg	26000	72000	91	100000	470000	2.5	2.5	140	92	210	140	< 390 U	< 390 U
Hexachlorocyclopentadiene	ug/kg	320000	320000	--	2300000	6700000	0.32	0.32	11	7.5	17	11	< 1900 U	< 1900 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	3.3	3.2	180	120	270	180	< 390 U	< 390 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	20000	--	--	--	--	--	--	--	< 390 U	< 390 U
Isophorone	ug/kg	15000	62000	26000	4800000	22000000	--	--	--	--	--	--	< 390 U	< 390 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 390 U	< 390 U
Nitrobenzene	ug/kg	330	330	3600	100000	340000	170	170	9600	6400	14000	9600	< 390 U	< 390 U
N-Nitrosodi-n-propylamine	ug/kg	330	330	--	1200	5400	--	--	--	--	--	--	< 390 U	< 390 U
N-Nitrosodiphenylamine	ug/kg	5400	22000	--	1700000	7800000	--	--	--	--	--	--	< 390 U	< 390 U
Pentachlorophenol	ug/kg	22	22	--	90000	320000	--	--	--	--	--	--	< 390 U	< 390 U
Phenanthrene	ug/kg	56000	160000	2100	1600000	5200000	1700	1700	58000	39000	88000	58000	< 390 U	< 390 U
Phenol	ug/kg	88000	260000	9000	40000000	230000000	--	--	--	--	--	--	< 390 U	< 390 U
Pyrene	ug/kg	480000	480000	--	29000000	84000000	25000000	25000000	880000000	590000000	1300000000	880000000	< 390 U	< 390 U

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF1 MWF1-S(0-2) 0.25 2 7/18/2001	MWF1 MWF1-S(0-2)DL 0.25 2 7/18/2001	MWF1 MWF1-S(8-10)DL 8 10 7/18/2001	MWF1 MWF1-S(24-26)DL 24 26 7/18/2001	BF14-01 BF14-01-S(0-2)-N 0.5 2 7/27/2001	BF14-01 BF14-01-S(18-20)-N 18 20 7/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
VOCs																		
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	NA	< 19 U	< 22 U	< 23 U	NA	NA
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	NA	< 19 U	< 22 U	< 23 U	NA	NA
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	NA	< 19 U	< 22 U	< 23 U	NA	NA
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	NA	< 19 UJ	< 22 UJ	< 23 UJ	NA	NA
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	NA	< 4.7 U	< 5.4 U	< 5.7 U	< 0.59 U	< 0.73 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	NA	< 4.7 U	< 5.4 U	< 5.7 U	< 0.53 U	< 0.66 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	NA	< 19 U	< 22 U	< 23 U	NA	NA
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	NA	< 4.7 U	< 5.4 U	1.4 J	NA	NA
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	NA	< 4.7 U	< 5.4 U	< 5.7 U	< 0.48 U	< 0.59 U
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	NA	< 4.7 U	< 5.4 U	< 5.7 U	NA	NA
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	NA	< 9.4 U	< 11 U	< 11 U	NA	NA
Xylene (total)	ug/kg	5600	5600															

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF14-01 BF14-01-S(8-10)-N 8 10 7/27/2001	BF14-02 BF14-02-S(0-2)-N 0.3 2 7/27/2001	BF14-02 BF14-02-S(18-20)-N 18 20 7/27/2001	BF14-02 BF14-02-S(8-10)-N 8 10 7/27/2001	MWF12-01 BMWF12-01(0-2)DL 0 2 8/7/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
VOCs																	
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	NA	NA	NA	NA	< 4.3 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	NA	NA	NA	NA	< 4.3 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	NA	NA	NA	NA	< 4.3 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	NA	NA	NA	NA	< 4.3 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	NA	NA	NA	NA	< 4.3 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	NA	NA	NA	NA	< 4.3 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	NA	NA	NA	NA	< 8.6 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	NA	NA	NA	NA	< 4.3 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	NA	NA	NA	NA	< 4.3 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	NA	NA	NA	NA	< 4.3 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	NA	NA	NA	NA	< 4.3 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	NA	NA	NA	NA	< 4.3 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	NA	NA	NA	NA	< 4.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	NA	NA	NA	NA	< 17 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	NA	NA	NA	NA	< 17 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	NA	NA	NA	NA	< 17 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	NA	NA	NA	NA	< 17 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 0.63 U	< 0.60 U	< 0.66 U	< 0.64 U	< 4.3 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	NA	NA	NA	NA	< 4.3 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	NA	NA	NA	NA	< 4.3 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	NA	NA	NA	NA	< 8.6 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	NA	NA	NA	NA	< 4.3 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	NA	NA	NA	NA	< 4.3 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	NA	NA	NA	NA	< 4.3 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	NA	NA	NA	NA	< 8.6 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	NA	NA	NA	NA	< 4.3 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	NA	NA	NA	NA	< 8.6 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	NA	NA	NA	NA	< 4.3 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 4.3 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	NA	NA	NA	NA	< 8.6 U
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	NA	NA	NA	NA	< 4.3 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	NA	NA	NA	NA	< 8.6 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 0.57 U	< 0.54 U	< 0.60 U	< 0.58 U	< 4.3 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	NA	NA	NA	NA	< 4.3 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 8.6 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	0.60 J
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	NA	NA	NA	NA	< 17 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	NA	NA	NA	NA	< 4.3 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	NA	NA	NA	NA	< 4.3 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	NA	NA	NA	NA	< 4.3 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	< 0.52 U	< 0.49 U	1.1 J	1.3 J	1.1 J
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	NA	NA	NA	NA	< 4.3 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 4.3 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	NA	NA	NA	NA	< 4.3 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	NA	NA	NA	NA	< 8.6 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	NA	NA	NA	NA	< 4.3 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	NA	NA	NA	NA	< 8.6 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000	280	280	9900	6600	15000	9900	< 1.8 U	< 1.7 U	< 1.9 U	< 1.9 U	< 8.6 U

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF12-01 BMWF12-01(12-14)DL 12 14 8/7/2001	MWF12-01 BMWF12-01(8-10)DL 8 10 8/7/2001	MWF12-01 BMWF12-01-S(16-18)DL 16 18 8/7/2001	MWF12-02 BMWF12-02-S(0-2)DL 0 2 8/14/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE				
VOCs																
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 10 U	< 10 U	< 11 U	< 12 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 20 U	< 21 U	< 23 U	< 23 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 20 U	< 21 U	< 23 U	< 23 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 20 U	< 21 U	< 23 U	< 23 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	< 20 U	< 21 U	< 23 U	< 23 UJ
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 10 U	< 10 U	< 11 U	< 12 UJ
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 10 U	< 10 U	< 11 U	< 12 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 10 U	< 10 U	< 11 U	< 12 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	< 10 U	< 10 U	< 11 U	< 12 U
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 10 U	< 10 U	< 11 U	< 12 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 11 U	< 12 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 11 U	< 12 U
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 20 U	< 21 U	< 23 U	< 23 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 UJ
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	0.64 J	1.6 J	0.93 J	2.2 J
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 10 U	< 10 U	< 11 U	< 12 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	< 5.0 U	< 5.2 U	< 5.7 U	< 5.8 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 10 U	< 10 U	< 11 U	< 12 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000	280	280	9900	6600	15000	9900	< 10 U	< 10 U	< 11 U	< 12 U

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF12-02 BMWF12-02-S(8-10)DL 8 10 8/14/2001	MWF12-02 BMWF12-02-S(15-17)DL 15 17 8/14/2001	MWF7-01 BMWF7-01-S(0-2)DL 0.7 2 9/20/2001	MWF7-01 BMWF7-01-S(8-10)DL 8 10 9/20/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE				
VOCs																
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	< 5.7 U	< 5.7 U	1800	1800
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 11 U	< 11 U	< 680 U	< 960 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 5.7 U	< 5.7 U	< 340 U	< 480 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 5.7 U	< 5.7 U	< 340 U	< 480 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 23 U	< 23 U	230 J	210 J
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 23 U	< 23 U	< 1400 U	< 1900 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 23 U	< 23 U	< 1400 U	< 1900 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	< 23 UJ	< 23 UJ	680 J	710 J
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 5.7 U	< 5.7 U	160 J	130 J
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 11 UJ	< 11 UJ	< 680 U	< 960 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 11 U	< 11 U	< 680 U	< 960 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 5.7 U	< 5.7 U	57 J	53 J
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 11 U	< 11 U	< 680 U	< 960 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 5.7 U	< 5.7 U	< 340 U	< 480 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	< 11 U	< 11 U	2200	1600
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 11 U	< 11 U	< 680 U	< 960 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 5.7 U	< 5.7 U	250 J	220 J
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 5.7 U	< 5.7 U	110 J	110 J
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 11 U	< 11 U	250 J	350 J
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 11 U	< 11 U	4900	4100
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 23 U	< 23 U	< 1400 U	< 1900 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 5.7 UJ	< 5.7 UJ	< 340 U	< 480 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 5.7 U	< 5.7 U	< 340 U	< 480 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	< 5.7 U	< 5.7 U	< 340 U	490
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	2.1 J	2.3 J	1500	1100
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 5.7 U	< 5.7 U	< 340 U	< 480 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 5.7 U	< 5.7 U	< 340 U	< 480 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 11 U	< 11 U	< 680 U	< 960 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	< 5.7 U	< 5.7 U	< 340 U	< 480 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 11 U	< 11 U	< 680 U	< 960 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000	280	280	9900	6600	15000	9900	< 11 U	< 11 U	3500	2800

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BMWF7-01 20 22 9/20/2001	BMWF7-02 0.7 2 9/24/2001	BMWF7-02 8 10 9/24/2001	BMWF7-02 18 20 9/24/2001	BF15-01 0 2 9/27/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
VOCs																	
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	- -	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	18	4.5 J	440	33	2500
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	530000	240000	2.7	2.7	150	100	230	150	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 22 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 32 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	1.9 J	< 5.2 U	29 J	6.0	530
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 6.3 U	< 5.2 U	< 250 U	9.1	150 J
1,2,3-Trichlorobenzene	ug/kg	- -	- -	- -	- -	- -	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	- -	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	- -	- -	- -	- -	- -	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 22 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	- -	4400	20000	- -	- -	- -	- -	- -	- -	< 13 U	< 10 U	< 500 U	< 12 U	< 160 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	- -	- -	- -	- -	- -	- -	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 38 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 32 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 22 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 19 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 19 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 32 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 25 U	< 21 U	< 990 U	< 24 U	< 160 U
2-Hexanone	ug/kg	20000	58000	- -	32000000	100000000	220	210	7600	5000	11000	7600	< 25 U	< 21 U	< 990 U	< 24 U	< 60 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	- -	2500000	8000000	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	- -	- -	- -	56000000	- -	12000	12000	290000	190000	440000	290000	< 25 U	< 21 U	< 990 U	< 24 U	< 58 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	< 25 U	< 21 U	< 990 U	< 24 U	< 150 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 34 U
Bromobenzene	ug/kg	550	1500	- -	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	- -	110000	490000	0.61	0.61	31	21	47	31	< 6.3 U	< 5.2 U	< 250 U	1.7 J	< 20 U
Bromoform	ug/kg	1600	1600	- -	820000	3800000	45	45	2500	1700	3800	2500	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 32 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 13 U	< 10 U	< 500 U	< 12 U	< 52 U
Carbon disulfide	ug/kg	16000	46000	- -	7200000	43000000	52	52	1800	1200	2700	1800	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 70 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 20 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 16 U
Chlorobromomethane	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 13 U	< 10 U	< 500 U	< 12 U	< 74 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 6.3 U	< 5.2 U	< 250 U	6.3	< 20 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	- -	1600000	7400000	6.9	6.9	240	160	370	240	< 13 U	< 10 U	< 500 U	< 12 U	< 30 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 32 U
cis-1,3-Dichloropropene	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 24 U
Cyclohexane	ug/kg	- -	- -	- -	- -	- -	320	320	11000	7400	17000	11000	< 13 U	< 10 U	53 J	< 12 U	< 17 U
Cymene (p-Isopropyltoluene)	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	- -	110000	500000	0.4	0.4	55	36	82	54	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 26 U
Dibromomethane	ug/kg	1600	4600	- -	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	- -	52000000	170000000	12	12	440	290	660	440	< 13 U	< 10 U	< 500 U	< 12 U	< 76 U
Ethyl ether	ug/kg	200	200	- -	110000000	360000000	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 6.3 U	< 5.2 U	14 J	< 6.0 U	< 28 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Iodomethane	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 16 U
m&p-Xylene	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	< 13 U	< 10 U	< 500 U	< 12 U	< 90 U
Methyl cyclohexane	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	< 13 U	< 10 U	130 J	< 12 U	< 32 U
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 25 U	< 21 U	< 990 U	< 24 U	< 22 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 82 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	- -	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	- -	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA
o-Xylene	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 34 U
tert-Butylbenzene	ug/kg	1600	4600	- -	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	15	2.8 J	930	47	13000
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	2.4 J	0.71 J	< 250 U	1.5 J	< 20 U
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 36 U
trans-1,3-Dichloropropene	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 22 U
trans-1,4-Dichloro-2-butene	ug/kg	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 6.3 U	< 5.2 U	55 J	2.8 J	85 J
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	- -	79000000	260000000	19	19	670	450	1000	670	< 13 U	< 10 U	< 500 U	< 12 U	< 38 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	- -	- -	- -	- -	- -	- -	< 6.3 U	< 5.2 U	< 250 U	< 6.0 U	< 74 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 13 U	< 10 U	< 500 U	< 12 U	< 22 U

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-01 DUP-038-S(0-0)-N 0 2 9/27/2001	BF15-01 BF15-01-S(8-10)-N 8 10 9/27/2001	BF15-01 BF15-01-S(18-20)-N 18 20 9/27/2001	MWF15-01 BMW15-S(0-2)-N 0.6 2 10/3/2001	MWF15-01 BMW15-S(8-10)-N 8 10 10/3/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
VOCs																	
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	960	< 8.6 U	< 0.77 U	< 1.0 U	66 J
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 11 U	< 9.5 U	< 1.5 U	< 2.0 U	< 12 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 16 U	< 14 U	< 1.0 U	< 1.3 U	< 18 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	240 J	1000	< 0.48 U	< 0.64 U	< 15 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	66 J	< 15 U	< 1.0 U	< 1.3 U	< 19 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 11 U	< 9.5 U	< 0.74 U	< 0.98 U	< 12 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 82 U	< 70 U	< 1.3 U	< 1.8 U	< 89 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 19 U	< 16 U	< 1.0 U	< 1.3 U	< 21 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 16 U	< 14 U	< 0.59 U	< 0.78 U	< 18 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 11 U	< 9.5 U	< 0.61 U	< 0.80 U	< 12 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 9.5 U	< 8.1 U	< 0.63 U	< 0.83 U	< 10 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 9.6 U	< 8.2 U	< 0.67 U	< 0.88 U	< 10 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 16 U	< 14 U	< 0.56 U	< 0.74 U	< 18 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 82 U	< 70 U	< 2.3 U	3.9 J	< 89 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 30 U	< 26 U	< 1.4 U	< 1.9 UJ	< 33 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 29 U	< 25 U	< 1.6 U	< 2.1 U	< 32 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	140 J	< 65 U	6.5 J	< 2.3 U	< 82 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	NA	67	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 17 U	< 15 U	< 0.54 U	< 0.72 U	40 J
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	NA	5600	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 10 U	< 8.7 U	< 1.0 U	< 1.3 U	< 11 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 16 U	< 14 U	< 1.3 U	< 1.8 U	< 18 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 26 U	< 23 U	< 1.5 U	< 2.0 U	< 29 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 35 U	< 30 U	< 0.65 U	< 0.86 U	< 38 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 10 U	< 8.7 U	< 0.83 U	< 1.1 U	< 11 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 8.2 U	< 7.0 U	< 0.43 U	< 0.57 U	< 8.9 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 37 U	120 J	< 1.8 U	< 2.4 U	< 41 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 10 U	< 8.7 U	< 0.68 U	< 0.90 U	< 11 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 15 U	< 13 U	< 1.1 U	< 1.4 U	< 16 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 16 U	< 14 U	< 0.70 U	< 0.93 U	< 18 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 12 U	< 10 U	< 0.53 U	< 0.71 U	< 13 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	< 8.6 U	< 7.4 U	< 0.83 U	< 1.1 U	110 J
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 13 U	< 11 U	< 0.92 U	< 1.2 U	< 14 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 38 U	< 33 U	< 0.92 U	< 1.2 UJ	< 42 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 14 U	< 12 U	< 0.49 U	< 0.65 U	28 J
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 8.0 U	< 6.8 U	< 0.58 U	< 0.77 U	< 8.7 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 46 U	< 39 U	< 0.92 U	< 1.2 U	< 49 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 16 U	< 14 U	< 0.49 U	< 0.65 U	240 J
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 11 U	< 9.5 U	< 0.70 U	< 0.93 U	< 12 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 42 U	93 J	< 1.1 U	< 1.4 U	96 J
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	25000000	80000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 17 U	< 15 U	< 0.42 U	< 0.55 U	< 19 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	5700	85 J	< 1.0 U	1.7 J	1200
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	< 10 U	< 8.7 U	0.70 J	1.7 J	180 J
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 18 U	< 16 U	< 0.61 U	< 0.80 U	< 20 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 11 U	< 9.5 U	< 0.72 U	< 0.95 U	< 12 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	43 J	90 J	< 0.63 U	< 0.84 U	43 J
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 19 U	< 16 U	< 0.92 U	< 1.2 U	< 21 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	< 37 U	< 32 U	< 0.78 U	< 1.0 U	< 41 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 11 U	< 9.5 U	< 1.2 U	< 1.5 U	< 12 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000											

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWVF15-01 BMWVF15-S(18-20)-N 18 20 10/3/2001	BF15-02 BF15-02-S(0-2)DL 4.3 6.3 1/7/2002	BF15-02 BF15-02-S(20-24)DL 24 28 1/30/2002	BF15-02 BF15-02-S(8-10)DL 12 14 1/30/2002	BF15-03 BF1503MS(8-10)DL 8 10 7/23/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
VOCs																	
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA		NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	< 1.5 U	91000	< 4.3 U	< 240 U	< 5.4 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 3.0 U	< 2500 UJ	< 4.3 U	< 240 U	< 5.4 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 2.0 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 0.97 U	6500	13	1500	NA
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 2.0 U	2200 J	< 4.3 U	71 J	16
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 1.5 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 2.7 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 2.0 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,2-Dichlorobenzene	ug/kg	140000	140000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 1.2 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 1.2 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 1.3 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 1.3 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 1.1 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	12000000	70000000	31000	31000	740000	490000	1100000	740000	7.7 J	< 9900 U	11 J	< 950 U	2.2 J
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 2.8 UJ	< 9900 U	< 17 U	< 950 U	< 22 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 3.2 U	< 9900 U	< 17 U	< 950 U	< 22 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	< 3.5 U	< 9900 U	26 J	< 950 U	< 22 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 1.1 U	< 2500 U	< 4.3 U	17 J	0.86 J
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 2.0 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 2.7 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 3.0 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 1.3 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 1.7 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 UJ
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 0.87 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 3.7 U	< 4900 U	6.3 J	630	8.4 J
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 1.4 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 2.2 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 1.4 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	< 1.7 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 1.8 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 1.8 UJ	< 4900 U	< 8.6 U	< 470 U	< 11 UJ
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 0.99 U	200 J	< 4.3 U	< 240 U	< 5.4 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 1.2 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 0.99 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 1.4 U	< 9900 U	< 17 U	< 950 U	< 22 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 2.2 U	NA	< 4.3 U	< 240 U	< 5.4 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 0.84 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	17	81000	< 4.3 U	< 240 U	22 J
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	3.7 J	< 2500 R	0.73 J	12 J	< 5.4 U
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 1.2 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 1.4 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 1.3 U	< 2500 U	< 4.3 U	< 240 U	2.3 J
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 1.8 U	< 4900 U	< 8.6 U	< 470 U	< 11 U
Trifluorotrchloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	< 1.6 U	< 2500 U	< 4.3 U	< 240 U	< 5.4 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 2.3 U	< 4900 U			

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-03 BF1503MS(8-10)DLR2 8 10 7/23/2003	BF15-03 BF1503S(0-2)DL 0.8 2 7/23/2003	BF15-03 BF1503S(27-29)DL 27 29 7/23/2003	BF15-04 BF1504S(0-2)DL 0.6 2 7/23/2003	BF15-04 BF1504S(6-8)DL 6 8 7/23/2003	MWF7-03 MWF703S(7-9)DL 7 9 7/24/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
VOCs																		
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	NA	700	< 4.9 U	< 2100	< 300 U	< 5.2 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	120 J	200 J	< 4.9 U	1100	510	< 5.2 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	NA	< 610 U	< 9.7 U	< 1400 U	< 610 U	< 10 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	NA	< 1200 U	< 19 U	< 2800 U	< 1200 U	< 21 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	NA	< 1200 U	< 19 U	< 2800 U	< 1200 U	< 21 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	NA	< 1200 U	< 19 U	< 2800 U	< 1200 U	< 21 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	NA	< 1200 U	7.5 J	< 2800 U	< 1200 U	19 J
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	NA	< 610 U	< 9.7 U	< 1400 U	< 610 U	< 10 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	NA	< 310 UJ	< 4.9 U	< 690 UJ	< 300 UJ	< 5.2 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	NA	< 610 U	< 9.7 U	< 1400 U	< 610 U	< 10 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	NA	< 610 U	< 9.7 U	< 1400 U	< 610 U	< 10 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	NA	< 610 U	< 9.7 U	63 J	< 610 U	< 10 U
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	NA	< 610 U	< 9.7 U	< 1400 U	< 610 U	< 10 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 610 U	< 9.7 U	< 1400 U	270 J	< 10 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 610 U	< 9.7 U	150 J	< 610 U	< 10 U
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	NA	< 1200 U	< 19 U	< 2800 U	< 1200 U	< 21 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	NA	< 310 R	< 4.9 U	< 690 R	< 300 R	< 5.2 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	NA	1300	< 4.9 U	21000	130 J	< 5.2 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	0.38 J
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	< 310 U	< 4.9 U	< 690 U	< 300 U	< 5.2 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	NA	< 310 U	< 4.9 U	210 J	46 J	< 5.2 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	7900													

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MWF7-03 MWF703S(11-13)DL 11 13 7/24/2003	BF15-04 BF1504S(26-28)DL 26 28 7/29/2003	BF15-05 BF1505S(0-2)DL 0.7 2 7/29/2003	BF15-05 BF1505S(10-12)DL 10 12 7/29/2003	BF15-05 BF1505S(12-13)DL 12 13 7/29/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE					
VOCs																	
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	< 6.1 U	< 5.8 U	1400	43 J	< 230 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 6.1 U	< 5.8 R	< 250 U	< 240 U	< 230 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 6.1 U	< 5.8 U	200 J	1700	1000
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 6.1 U	< 5.8 R	< 250 U	< 240 U	< 230 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 24 U	< 23 U	< 1000 U	380 J	< 900 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 24 U	< 23 U	< 1000 U	< 960 U	< 900 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 24 U	< 23 U	< 1000 R	< 960 R	< 900 R
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	12 J	< 23 U	< 1000 U	< 960 U	< 900 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 12 U	< 12 U	< 500 U	1500	1300
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 12 U	< 12 U	< 500 U	210 J	< 450 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 24 U	< 23 U	< 1000 U	< 960 U	< 900 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 6.1 U	< 5.8 U	140 J	150 J	130 J
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 6.1 U	< 5.8 R	< 250 U	< 240 U	< 230 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	< 6.1 U	< 5.8 U	3500	< 240 U	< 230 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	0.60 J	< 5.8 U	< 250 U	< 240 U	< 230 U
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 6.1 U	< 5.8 U	48 J	< 240 U	< 230 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 12 U	< 12 U	< 500 U	< 480 U	< 450 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	< 6.1 U	< 5.8 U	< 250 U	< 240 U	< 230 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 12 U	< 12 U	< 500 U	110 J	97 J
Xylene (total)																	

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													BF15-05 BF1505S(30-32)DL 30 32 7/29/2003	MWF16-07 MWF16-07-S(0-2)102804DL 0 2 10/28/2004	MWF16-07 MWF16-07-S(8-10)102804DL 8 10 10/28/2004	MWF16-07 MWF16-07-S(18-20)102804DL 18 20 10/28/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE				
VOCs																
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	50000000	1000000000	450	450	7500	5000	11000	7500	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 5.7 R	< 4.8 U	< 4.9 U	< 4.8 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 11 U	< 9.7 U	< 9.9 U	< 9.7 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 5.7 R	< 4.8 U	< 4.9 U	< 4.8 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 23 U	< 19 U	< 20 U	< 19 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 23 U	< 19 U	< 20 U	< 19 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 23 U	< 19 U	< 20 U	< 19 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	4.3 J	< 19 U	< 20 U	< 19 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	NA	NA	NA	NA
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	NA	NA	NA	NA
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 11 U	< 4.8 U	< 4.9 U	< 4.8 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 11 U	< 4.8 U	< 4.9 U	< 4.8 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 11 U	< 4.8 U	< 4.9 U	< 4.8 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	< 11 U	< 9.7 U	< 9.9 U	< 9.7 U
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 11 U	< 4.8 U	< 4.9 U	< 4.8 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	NA	NA	NA	NA
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	NA	NA	NA	NA
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 11 U	< 9.7 U	< 9.9 U	< 9.7 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 11 U	< 9.7 U	< 9.9 U	< 9.7 U
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 23 U	< 19 U	< 20 U	< 19 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	NA	NA	NA	NA
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	NA	NA	NA	NA
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	NA	NA	NA	NA
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 5.7 R	< 4.8 U	< 4.9 U	< 4.8 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	NA	NA	NA	NA
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	NA	NA	NA	NA
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	< 5.7 U	< 4.8 U	< 4.9 U	0.32 J
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 11 U	< 4.8 U	< 4.9 U	< 4.8 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	< 5.7 U	< 4.8 U	< 4.9 U	< 4.8 U
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 11 U	< 4.8 U	< 4.9 U	< 4.8 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000	280	280	9900	6600	15000	9900	< 11 U	< 9.7 U	< 9.9 U	< 9.7 U

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													SV-01-21 SV-01-21_SO-052521(14-15) 14 15 5/25/2021	SV-02-21 DUP-01_SO-052521 14 15 5/25/2021	SV-02-21 SV-02-21_SO-052521(14-15) 14 15 5/25/2021	SV-02-21 SV-02-21_SO-052521(23-24) 23 24 5/25/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE				
VOCs																
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	< 100 U	< 100 U	< 100 U	< 100 U
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	500000000	1000000000	450	450	7500	5000	11000	7500	< 50 U	< 60 U	< 60 U	< 50 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 50 U	< 60 U	< 60 U	< 50 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 50 U	< 60 U	< 60 U	< 50 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 50 U	< 60 U	< 60 U	< 50 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 50 U	< 60 U	< 60 U	< 50 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	< 360 U	< 370 U	< 380 U	< 350 U
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	< 100 U	< 100 U	< 100 U	< 100 U
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	< 50 U	< 60 U	< 60 U	< 50 U
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 360 U	< 370 U	< 380 U	< 350 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	< 50 U	< 60 U	< 60 U	< 50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 300 U	< 300 U	< 300 U	< 300 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 20 UM	< 20 UM	< 20 UM	< 20 UM
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 100 U	< 100 U	< 100 U	< 100 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 50 U	< 60 U	< 60 U	< 50 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 50 U	< 60 U	< 60 U	< 50 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	< 50 U	< 60 U	< 60 U	< 50 U
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 100 U	< 100 U	< 100 U	< 100 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 100 U	< 100 U	< 100 U	< 100 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 810 U	< 840 U	< 860 U	< 800 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 3000 U	< 3000 U	< 3000 U	< 3000 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	< 50 U	< 60 U	< 60 U	< 50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 3000 U	< 3000 U	< 3000 U	< 3000 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	< 1000 U	< 1000 U	< 1000 U	< 1000 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	< 100 U	< 100 U	< 100 U	< 100 U
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 50 U	< 60 U	< 60 U	< 50 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	< 100 U	< 100 U	< 100 U	< 100 U
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 100 U	< 100 U	< 100 U	< 100 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 100 U	< 100 U	< 100 U	< 100 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 200 U	< 200 U	< 200 U	< 200 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 300 U	< 300 U	< 300 U	< 300 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 50 U	< 60 U	< 60 U	< 50 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 50 U	< 60 U	< 60 U	< 50 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 300 U	< 300 U	< 300 U	< 300 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 50 U	< 60 U	< 60 U	< 50 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 300 U	< 300 U	< 300 U	< 300 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 50 U	< 60 U	< 60 U	< 50 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 50 U	< 60 U	< 60 U	< 50 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 100 U	< 100 U	< 100 U	< 100 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	< 300 U	< 300 U	< 300 U	< 300 U
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 300 U	< 300 U	< 300 U	< 300 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	< 200 U	< 200 U	< 200 U	< 200 U
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 50 U	< 60 U	< 60 U	< 50 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	< 300 U	< 300 U	< 300 U	< 300 U
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 300 U	< 300 U	< 300 U	< 300 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 200 U	< 200 U	< 200 U	< 200 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 100 U	< 100 U	< 100 U	< 100 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 300 U	< 300 U	< 300 U	< 300 U
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	< 50 U	< 60 U	< 60 U	< 50 U
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	< 50 U	< 60 U	< 60 U	< 50 U
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 50 U	< 60 U	< 60 U	< 50 U
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 50 U	< 60 U	< 60 U	< 50 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	< 50 U	< 60 U	< 60 U	< 50 U
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	< 50 U	< 60 U	< 60 U	< 50 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	< 1000 U	< 1000 U	< 1000 U	< 1000 U
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	< 50 U	< 60 U	< 60 U	< 50 U
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 50 U	< 60 U	< 60 U	< 50 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 50 U	< 60 U	< 60 U	< 50 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 50 U	< 60 U	< 60 U	< 50 U
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 50 U	< 60 U	< 60 U	< 50 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 100 U	< 100 U	< 100 U	< 100 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	NA	NA	NA	NA
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 50 U	< 60 U	< 60 U	< 50 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000	280	280	9900	6600	15000	9900	NA	NA	NA	NA

Table 1
Soil Sample Analytical Summary Table - VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Start Depth (ft. bgs) End Depth (ft. bgs) Sample Date													MW-08-21 MW-08-21_SO-052521(14-15) 14 15 5/26/2021	MW-08-21 MW-08-21_SO-052521(23-24) 23 24 5/26/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Residential Soil Direct Contact	Nonresidential Soil Direct contact	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE		
VOCs														
1,1,1,2-Tetrachloroethane	ug/kg	1500	6400	--	480000	2200000	3.2	3.2	180	120	270	180	< 200 U	< 100 U
1,1,1-Trichloroethane	ug/kg	4000	4000	1800	50000000	1000000000	450	450	7500	5000	11000	7500	< 80 U	< 50 U
1,1,2,2-Tetrachloroethane	ug/kg	170	700	1600	53000	240000	2.7	2.7	150	100	230	150	< 80 U	< 50 U
1,1,2-Trichloroethane	ug/kg	100	100	6600	180000	840000	0.37	0.37	13	8.7	20	13	< 80 U	< 50 U
1,1-Dichloroethane	ug/kg	18000	50000	15000	27000000	87000000	2.6	2.6	150	99	220	150	< 80 U	< 50 U
1,1-Dichloroethene	ug/kg	140	140	2600	200000	660000	12	12	430	290	650	430	< 80 U	< 50 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	840	830	29000	20000	44000	29000	< 560 U	< 350 U
1,2,3-Trichloropropane	ug/kg	840	2400	--	1300000	4200000	2.6	2.6	91	61	140	91	< 200 U	< 100 U
1,2,3-Trimethylbenzene	ug/kg	--	--	--	--	--	270	270	9600	6400	14000	9600	< 80 U	< 50 U
1,2,4-Trichlorobenzene	ug/kg	4200	4200	5900	990000	5800000	53	53	1900	1200	2800	1900	< 560 U	< 350 U
1,2,4-Trimethylbenzene	ug/kg	2100	2100	570	32000000	100000000	150	150	5200	3500	7800	5200	< 80 U	< 50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	10	10	--	4400	20000	--	--	--	--	--	--	< 400 U	< 300 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	20	20	110	92	430	--	--	--	--	--	--	< 30 UM	< 20 UM
1,2-Dichlorobenzene	ug/kg	14000	14000	280	19000000	63000000	1500	1500	52000	35000	78000	52000	< 200 U	< 100 U
1,2-Dichloroethane	ug/kg	100	100	7200	91000	420000	0.82	0.82	46	31	69	46	< 80 U	< 50 U
1,2-Dichloropropane	ug/kg	100	100	4600	140000	660000	2.1	2.1	74	49	110	74	< 80 U	< 50 U
1,3,5-Trimethylbenzene	ug/kg	1800	1800	1100	32000000	100000000	100	100	3600	2400	5400	3600	< 80 U	< 50 U
1,3-Dichlorobenzene	ug/kg	170	480	680	200000	660000	10	10	360	240	540	360	< 200 U	< 100 U
1,4-Dichlorobenzene	ug/kg	1700	1700	360	400000	1900000	23	23	1300	870	2000	1300	< 200 U	< 100 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	260000	760000	44000	120000000	700000000	31000	31000	740000	490000	1100000	740000	< 1300 U	< 800 U
2-Hexanone	ug/kg	20000	58000	--	32000000	100000000	220	210	7600	5000	11000	7600	< 4000 U	< 3000 U
2-Methylnaphthalene	ug/kg	57000	170000	4200	8100000	26000000	--	--	--	--	--	--	< 200 U	< 100 U
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1600	4600	--	2500000	8000000	--	--	--	--	--	--	< 80 U	< 50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	56000000	--	12000	12000	290000	190000	440000	290000	< 4000 U	< 3000 U
Acetone	ug/kg	15000	42000	34000	23000000	73000000	260000	260000	3100000	2100000	4600000	3100000	< 2000 U	< 1000 U
Acrylonitrile	ug/kg	100	220	100	16000	74000	1.2	1.2	67	45	100	67	< 200 U	< 100 U
Benzene	ug/kg	100	100	4000	180000	840000	1.7	1.7	94	63	140	94	< 80 U	< 50 U
Bromobenzene	ug/kg	550	1500	--	540000	1700000	160	160	5600	3700	8300	5600	< 200 U	< 100 U
Bromodichloromethane	ug/kg	1600	1600	--	110000	490000	0.61	0.61	31	21	47	31	< 200 U	< 100 U
Bromoform	ug/kg	1600	1600	--	820000	3800000	45	45	2500	1700	3800	2500	< 200 U	< 100 U
Bromomethane (Methyl bromide)	ug/kg	200	580	100	320000	1000000	0.9	0.9	32	21	47	32	< 300 U	< 200 U
Carbon disulfide	ug/kg	16000	46000	--	7200000	43000000	52	52	1800	1200	2700	1800	< 400 U	< 300 U
Carbon tetrachloride	ug/kg	100	100	760	96000	440000	0.31	0.31	17	12	26	17	< 80 U	< 50 U
Chlorobenzene	ug/kg	2000	2000	500	4300000	14000000	82	82	2900	1900	4300	2900	< 80 U	< 50 U
Chlorobromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 100 U
Chloroethane	ug/kg	8600	34000	22000	2600000	12000000	330	330	12000	7800	17000	12000	< 400 U	< 300 U
Chloroform (Trichloromethane)	ug/kg	1600	1600	7000	1200000	5500000	0.26	0.26	15	9.9	22	15	< 80 U	< 50 U
Chloromethane (Methyl chloride)	ug/kg	5200	22000	--	1600000	7400000	6.9	6.9	240	160	370	240	< 400 U	< 300 U
cis-1,2-Dichloroethene	ug/kg	1400	1400	12000	2500000	8000000	2.1	2.1	74	49	110	74	< 80 U	< 50 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 80 U	< 50 U
Cyclohexane	ug/kg	--	--	--	--	--	320	320	11000	7400	17000	11000	NA	NA
Cymene (p-Isopropyltoluene)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 100 U
Dibromochloromethane	ug/kg	1600	1600	--	110000	500000	0.4	0.4	55	36	82	54	< 200 U	< 100 U
Dibromomethane	ug/kg	1600	4600	--	2500000	8000000	3.5	3.5	120	83	190	120	< 400 U	< 300 U
Dichlorodifluoromethane (CFC-12)	ug/kg	95000	270000	--	52000000	170000000	12	12	440	290	660	440	< 400 U	< 300 U
Ethyl ether	ug/kg	200	200	--	110000000	360000000	--	--	--	--	--	--	< 300 U	< 200 U
Ethylbenzene	ug/kg	1500	1500	360	22000000	71000000	12	12	680	450	1000	680	< 80 U	< 50 U
Hexachloroethane	ug/kg	430	1200	1800	230000	730000	--	--	--	--	--	--	< 500 U	< 300 U
Iodomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 100 U
Isopropyl benzene	ug/kg	91000	260000	3200	25000000	80000000	3.8	3.8	210	140	320	210	< 400 U	< 300 U
m&p-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 100 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	NA	NA
Methyl tert butyl ether (MTBE)	ug/kg	800	800	140000	1500000	7100000	74	74	4200	2800	6300	4200	< 300 U	< 200 U
Methylene chloride	ug/kg	100	100	30000	1300000	5800000	130	130	4600	3000	6900	4600	< 200 U	< 100 U
Naphthalene	ug/kg	35000	100000	730	16000000	52000000	67	67	3800	2500	5700	3800	< 400 U	< 300 U
N-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	560	550	20000	13000	29000	20000	< 80 U	< 50 U
N-Propylbenzene	ug/kg	1600	4600	--	2500000	8000000	1800	1800	21000	14000	32000	21000	< 80 U	< 50 U
o-Xylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 80 U	< 50 U
Styrene	ug/kg	2700	2700	2100	400000	1900000	150	150	8600	5800	13000	8600	< 80 U	< 50 U
tert-Butylbenzene	ug/kg	1600	4600	--	2500000	8000000	0.64	0.64	23	15	34	23	< 80 U	< 50 U
Tetrachloroethene	ug/kg	100	100	1200	200000	930000	6.2	6.2	150	99	220	150	< 80 U	< 50 U
Tetrahydrofuran	ug/kg	1900	5400	220000	2900000	9500000	13000	13000	450000	300000	670000	450000	< 2000 U	< 1000 U
Toluene	ug/kg	16000	16000	5400	50000000	160000000	3700	3700	64000	43000	96000	64000	< 80 U	< 50 U
trans-1,2-Dichloroethene	ug/kg	2000	2000	30000	3800000	12000000	12	12	420	280	630	420	< 80 U	< 50 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 80 U	< 50 U
trans-1,4-Dichloro-2-butene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	< 80 U	< 50 U
Trichloroethene	ug/kg	100	100	4000	110000	660000	0.33	0.33	8	5.3	12	8	< 80 U	< 50 U
Trichlorofluoromethane (CFC-11)	ug/kg	52000	150000	--	79000000	260000000	19	19	670	450	1000	670	< 200 U	< 100 U
Trifluorotrichloroethane (Freon 113)	ug/kg	9000000	9000000	1700	1000000000	1000000000	--	--	--	--	--	--	NA	NA
Vinyl chloride	ug/kg	40	40	260	3800	34000	0.082	0.082	16	11	24	16	< 80 U	< 50 U
Xylene (total)	ug/kg	5600	5600	980	410000000	1000000000	280	280	9900	6600	15000	9900	NA	NA

Table 1
Soil Sample Analytical Summary Table - Notes
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Notes:

- 1) Criteria listed are from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Clean Up Criteria Requirements Table 1: Soil: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, December 21, 2020.
- 2) Department of Environment, Great Lakes and Energy (EGLE) developed Site-Specific Volatilization to Indoor Air Criteria for the Former Fiero Assembly, April 21, 2020
- 3) Yellow highlighted values denotes exceedance and/or equal to Michigan Residential Drinking Water criteria
- 4) Orange highlighted values denotes exceedance and/or equal to Nonresidential Drinking Water criteria
- 5) Grey shaded values denotes exceedance and/or equal to Michigan Groundwater Surface Water Interface criteria
- 6) Values in blue denotes exceedance and/or equal to Residential Direct Contact criteria
- 7) Boxed values denotes exceedance and/or equal to Nonresidential Direct Contact criteria
- 8) Values in bold denotes exceedance and/or equal to Residential Site-Specific Volatilization to Indoor Air criteria for basement and/or slab-on-grade.
- 9) Underlined values denotes exceedance and/or equal to Nonresidential Site-Specific Volatilization to Indoor Air criteria for basement and/or slab-on-grade.

Abbreviations:

%	Percent
ug/kg	Micrograms per kilogram
ft. bgs	feet below ground surface
<	Not detected above the laboratory reporting limit
>/<50k	Greater than 50,000 or less than 50,000
BASE	Basement
J	Estimated value less than reporting limit, but greater than MDL
M	Result reported to MDL not RDL
NA	Not analyzed
NR	Nonresidential
R	Preliminary Result
Res	Residential
SOG	Slab on Grade
SSVIAC	Site-Specific Volatilization to Indoor Air Criteria
U	Compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF1 MWF1-GW(24-34)-N 8/23/2001	MWF1 DUP-028-GW(0-0)-N 8/23/2001	MWF1 MWF1-GW 1/7/2002	MWF1 MWF1-GW02 11/13/2002	MWF1 MWF1W(24-34) 5/19/2003	MWF1 WF1GW(24-34) 12/17/2003	MWF1 MWF1GW 5/5/2004	MWF1 MWF1-GW-052004 5/20/2004	MWF1 MWF1-GW-102704 10/27/2004	MWF1 MWF1-GW-051105 5/11/2005
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE										
Metals																				
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 2.2 U	< 2.2 U	< 25.0 U	< 25.0 U	< 25.0 UJ	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 3.9 U	< 3.9 U	< 10.0 U	< 10.0 U	2.1 J	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	3.8 J
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	153	153	142	189	261 J	171	153	197	209	247
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 0.54 U	< 0.54 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	0.39 J	< 0.28 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 1.4 U	< 1.4 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	< 1.3 U	< 1.3 U	< 20.0 U	< 20.0 U	< 20.0 UJ	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 4.2 U	< 4.2 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 7.3 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 2.5 U	< 2.5 U	< 3.0 U	< 3.0 U	< 3.0 UJ	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	276	275	213	234	289 J	185	208	273	251	262
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.069 U	< 0.069 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	3.6 J	2.8 J	2.6 J	< 20.0 U	< 20.0 UJ	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 4.5 U	< 4.5 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 1.5 U	< 1.5 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	7.6 J	6.4 J	0.026 J	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 0.82 U	< 0.82 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 12.0 U	< 12.0 U	< 20.0 U	< 20.0 U	< 20.0 UJ	< 20.0 U	< 20.0 U	< 20.0 U	15.2 J	< 20.0 U
Metals-Filtered																				
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	< 2.2 U	< 2.2 U	< 25.0 U	NA	NA	NA	NA	< 25.0 U	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	< 3.9 U	< 3.9 U	< 10.0 U	NA	NA	NA	NA	< 10.0 U	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	151	148	144	NA	NA	NA	NA	190	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 0.54 U	< 0.54 U	< 1.0 U	NA	NA	NA	NA	< 1.0 U	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	< 0.28 U	0.44 J	< 5.0 U	NA	NA	NA	NA	< 5.0 U	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	< 1.4 U	< 1.4 U	< 10.0 U	NA	NA	NA	NA	< 10.0 U	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	< 1.3 U	< 1.3 U	< 20.0 U	NA	NA	NA	NA	< 20.0 U	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 4.2 U	< 4.2 U	4.9 J	NA	NA	NA	NA	< 5.0 U	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 2.5 U	< 2.5 U	< 3.0 U	NA	NA	NA	NA	< 3.0 U	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	272	266	218	NA	NA	NA	NA	246	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.069 U	< 0.069 U	< 0.20 U	NA	NA	NA	NA	< 0.20 U	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	3.0 J	2.2 J	2.4 J	NA	NA	NA	NA	< 20.0 U	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	< 4.5 U	< 4.5 U	< 5.0 U	NA	NA	NA	NA	< 5.0 U	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	< 1.5 U	< 1.5 U	< 5.0 U	NA	NA	NA	NA	< 5.0 U	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	6.6 J	7.9 J	0.066 J	NA	NA	NA	NA	< 1.0 U	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	< 0.82 U	< 0.82 U	< 10.0 U	NA	NA	NA	NA	< 10.0 U	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							< 12.0 U	< 12.0 U	< 20.0 U	NA	NA	NA	NA	< 20.0 U	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF1 MWF1-GW-110305 11/3/2005	MWF1 MWF1-GW-051806 5/18/2006	MWF1 MWF1-WG-11-14-0 11/14/2006	MWF1 MWF1-GW-05-03- 5/3/2007	MWF1 MWF1-GW-110707 11/7/2007	MWF1 MWF1-GW-050808 5/8/2008	MWF12-01 MWF12-01-GW(16-26)02 1/4/2002	MWF12-01 MWF12-01-GW/ 11/13/2002	MWF12-01 MWF1201W(15-25) 5/19/2003	MWF12-01 WF1201GW(16-2 12/16/2003	MWF12-01 MWF1201GW 5/4/2004
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwate r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE											
Metals																					
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	3.0 J	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 UJ	< 25.0 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	1.2 J	3.5	2.0	1.2 J	92.7	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	237	178	188	198	212	431	35.3	40.6	24.6 J	32.5	36.5
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	1.3 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	2.9 J	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	< 20.0 U	2.6 J	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	0.97 J	0.93 J	< 20.0 U	< 20.0 U
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	2.2 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	2.3 J	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	5.2	< 3.0 U	< 3.0 U	< 3.0 UJ	< 3.0 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	259	172	181	221	199	348	1110 J	1230	1050 J	1070	1550
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	< 20.0 U	3.2 J	< 20.0 U	2.1 J	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 UJ	< 20.0 U	< 20.0 U
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	6.3	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	3.0 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	< 1.0 U	0.031 J	0.048 J	< 1.0 U	< 1.0 U	0.019 J	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	6.9 J	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 20.0 U	11.4 J	< 20.0 U	< 20.0 U	< 20.0 U	20.2	< 20.0 U	< 20.0 U	< 20.0 UJ	< 32.9 U	< 20.0 U
Metals-Filtered																					
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 25.0 U	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 10.0 U	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	37.0	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 1.0 U	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 5.0 U	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 10.0 U	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 20.0 U	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 5.0 U	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 3.0 U	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	1200 J	NA	NA	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	NA	< 0.20 U	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	3.4 J	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 5.0 U	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 5.0 U	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	0.029 J	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	< 10.0 U	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							NA	NA	NA	NA	NA	NA	< 20.0 U	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01-GW-052004 5/20/2004	MWF12-01 MWF12-01-GW-102704 10/27/2004	MWF12-01 MWF12-01-GW-051105 5/11/2005	MWF12-01 MWF12-01-GW-110305 11/3/2005	MWF12-01 MWF12-01-GW-051806 5/18/2006	MWF12-01 MWF12-01-WG-111006 11/10/2006	MWF12-01 MWF12-01-GW-05-02-07 5/2/2007	MWF12-01 MWF12-01-GW-110707 11/7/2007
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwate r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
Metals																		
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	42.4	54.2	67.0	83.1	63.0	97.2	99.7	89.2
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	< 20.0 U	< 20.0 U	1.4 J	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.0 J	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	1260	1180	1640	1250	1520	1220	1110	1550
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	< 20.0 U	< 20.0 U	2.7 J	1.5 J	3.3 J	1.7 J	3.6 J	5.2 J
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U
Metals-Filtered																		
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	46.0	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	< 20.0 U	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	1130	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	< 20.0 U	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							< 30.6 U	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01-GW-050708 5/7/2008	MWF12-01 MWF12-01-GW-110408 11/4/2008	MWF12-01 MWF12-01-GW-121509 12/15/2009	MWF12-01 MWF12-01(110410)-GW 11/4/2010	MWF12-01 MWF12-01_092211 9/22/2011	MWF12-01 MWF12-01_100312 10/3/2012	MWF12-01_20131204 12/4/2013	MWF12-01 MWF12-01-091914 9/19/2014	MWF12-01 MWF 12-01 (09222015) 9/22/2015
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE									
Metals																			
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	1.0 J	< 2.0 U	NA	NA	NA	NA	NA	NA	NA
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	77.7	59.6	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	< 20.0 U	< 20.0 U	NA	NA	NA	NA	NA	NA	NA
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	1160	1810	747	2500	900	3200	5200	2400	2800
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/L	--	--	--	--	--	--	--	--	--	< 20.0 U	< 20.0 U	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	5.2 J	8.2 J	NA	NA	NA	NA	NA	NA	NA
Metals-Filtered																			
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 DUP-01(09222015) 9/22/2015	MWF12-01 MWF12-01_092116 9/21/2016	MWF12-01 DUP-02_092116 9/21/2016	MWF12-01 MWF12-01_GW-102417 10/24/2017	MWF12-01 MWF12-01_GW-011718 1/17/2018	MWF12-01 DUP-02_GW-011718 1/17/2018	MWF12-01R MWF12-01R_GW-10132020 10/13/2020	MWF12-01R MWF12-01R_GW-10182021 10/18/2021
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
Metals																		
Antimony	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	2600	2250	5290	17800	3320	3120	190	150
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Metals-Filtered																		
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	194	140
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01R DUP-05_GW-10182021 10/18/2021	MWF12-02 DUP-031-GW(0-0) 9/5/2001	MWF12-02 DUP-042-GW(0-0) 1/4/2002	MWF12-02 MWF12-02-GW(15-25)02 1/4/2002	MWF12-02 MWF12-02-GW/ 11/13/2002	MWF12-02 DUP201-GW 11/13/2002	MWF12-02 MWF1202W(15-25) 5/19/2003	MWF12-02 WF1202GW(15-2 12/16/2003	MWF12-02 MWF1202GW 5/4/2004	MWF12-02 MWF12-02-GW-052004 5/20/2004
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE										
Metals																				
Antimony	ug/L	6	6	130	--	--	--	--	--	--	NA	2.2 J	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 UJ	< 25.0 U	< 25.0 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	NA	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U	< 10.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	NA	86.3	36.5	47.5	61.0	59.6	64.6 J	68.7	72.9	80.3
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	0.39 J	0.31 J	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	NA	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U	< 10.0 U
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	NA	2.6 J	< 20.0 U	5.2 J	2.2 J	2.5 J	2.1 J	2.0 J	1.3 J	2.1 J
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	2.7 J	2.5 J	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	NA	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 UJ	< 3.0 U	< 3.0 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	142	1120	1110 J	1570 J	1020	996	1030 J	956	1300	1310
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	NA	6.8 J	< 20.0 U	6.3 J	4.3 J	3.6 J	3.2 J	5.6 J	3.6 J	4.4 J
Selenium	ug/L	50	50	5	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	4.6 J	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	NA	< 10.0 U	0.024 J	0.077 J	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	NA	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 UJ	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	NA	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	28.7	< 20.0 UJ	< 22.9 U	15.2 J	< 20.0 U
Metals-Filtered																				
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	< 25.0 U	< 25.0 U	< 25.0 U	NA	NA	NA	NA	NA	< 25.0 U
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	< 10.0 U	< 10.0 U	< 10.0 U	NA	NA	NA	NA	NA	< 10.0 U
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	86.3	37.1	52.0	NA	NA	NA	NA	NA	76.8
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	< 1.0 U	< 1.0 U	0.67 J	NA	NA	NA	NA	NA	< 1.0 U
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	0.45 J
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	< 10.0 U	< 10.0 U	< 10.0 U	NA	NA	NA	NA	NA	< 10.0 U
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	2.4 J	< 20.0 U	5.1 J	NA	NA	NA	NA	NA	1.8 J
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	< 5.0 U
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	< 3.0 U	< 3.0 U	< 3.0 U	NA	NA	NA	NA	NA	< 3.0 U
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	142	1080	1170 J	1740 J	NA	NA	NA	NA	NA	1250
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	< 0.20 U	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	< 0.20 U
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	6.5 J	3.3 J	4.4 J	NA	NA	NA	NA	NA	4.7 J
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	< 5.0 U
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	< 5.0 U	< 5.0 U	< 5.0 U	NA	NA	NA	NA	NA	< 5.0 U
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	< 10.0 U	< 1.0 U	0.077 J	NA	NA	NA	NA	NA	< 1.0 U
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	< 10.0 U	< 10.0 U	< 10.0 U	NA	NA	NA	NA	NA	< 10.0 U
Zinc (dissolved)	ug/L	2400	5000	--							NA	< 20.0 U	< 20.0 UJ	< 20.0 U	NA	NA	NA	NA	NA	< 20.0 U

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 DUP-084-052004FD 5/20/2004	MWF12-02 MWF12-02-GW-102704 10/27/2004	MWF12-02 MWF12-02-GW-051105 5/11/2005	MWF12-02 MWF12-02-GW-110305 11/3/2005	MWF12-02 MWF12-02-GW-051806 5/18/2006	MWF12-02 MWF12-02-WG-111006 11/10/2006	MWF12-02 MWF12-02-GW-05-02-07 5/2/2007	MWF12-02 MWF12-02-GW-110707 11/7/2007
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
Metals																		
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	2.2 J
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	78.5	97.8	57.8	65.9	63.5	62.5	51.9	75.2
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	0.46 J	0.42 J	0.52 J	< 5.0 U	0.47 J	< 5.0 U	< 5.0 U	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	2.4 J	2.1 J	1.9 J	2.6 J	3.4 J	3.3 J	2.1 J	< 20.0 U
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.2 J	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	1300	1070	897	1340	1250	1230	483	612
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	5.6 J	4.8 J	6.1 J	8.1 J	12.1 J	15.5 J	6.6 J	5.6 J
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 6.0 U	< 5.0 U	< 6.7 U	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	0.030 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.023 J	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	17.4 J	< 20.0 U	< 20.0 U	5.1 J
Metals-Filtered																		
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	78.0	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	0.39 J	NA	NA	NA	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	2.0 J	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	1280	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	5.0 J	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							< 20.0 U	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 MWF12-02-GW-050708 5/7/2008	MWF12-02 MWF12-02-GW-110408 11/4/2008	MWF12-02 MWF12-02_092116 9/21/2016	MWF12-02 MWF12-02_GW-102417 10/24/2017	MWF12-02 MWF12-02_GW-100318 10/3/2018	MWF12-02 MWF12-02_GW-100719 10/7/2019	MWF12-02 MWF12-02_GW-10132020 10/13/2020	MWF12-02 DUP-01_GW-10132020 10/13/2020
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
Metals																		
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	NA	NA	NA	NA	NA	NA
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	2.8	< 2.0 U	NA	NA	NA	NA	NA	NA
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	91.4	66.1	NA	NA	NA	NA	NA	NA
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	0.94 J	< 5.0 U	NA	NA	NA	NA	NA	NA
Chromium	ug/L	--	--	--	--	--	--	--	--	--	2.6 J	< 10.0 U	NA	NA	NA	NA	NA	NA
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	4.2 J	1.7 J	NA	NA	NA	NA	NA	NA
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	5.5	< 5.0 U	NA	NA	NA	NA	NA	NA
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	NA	NA	NA	NA	NA	NA
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	945	1210	3910	808	292	330	868	1000
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA
Nickel	ug/L	--	--	--	--	--	--	--	--	--	8.1 J	4.1 J	NA	NA	NA	NA	NA	NA
Selenium	ug/L	50	50	5	--	--	--	--	--	--	4.3 J	< 5.0 U	NA	NA	NA	NA	NA	NA
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	3.1 J	< 5.0 U	NA	NA	NA	NA	NA	NA
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	2.2 J	< 10.0 U	NA	NA	NA	NA	NA	NA
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	9.4 J	7.6 J	NA	NA	NA	NA	NA	NA
Metals-Filtered																		
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF15-01 MWF15-01-GW(19-29)-N 10/11/2001	MWF15-01 MWF15-01-GW 1/9/2002	MWF16-07 MWF16-07-GW112204 11/22/2004	MWF16-07 MWF16-07-WG-111706 11/17/2006	MWF16-13 MWF16-13-GW-051205 5/12/2005	MWF16-13 MWF16-13-WG-111706 11/17/2006	MWF16-14 MWF16-14-GW-051605 5/16/2005	MWF16-14 MWF16-14-WG-111706 11/17/2006
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
Metals																		
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 2.2 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 3.9 U	< 10.0 U	6.6 J	4.6	< 10.0 U	0.83 J	9.0 J	< 2.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	18.1	21.5	29.7	158	61.6	78.1	58.3	57.9
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 0.54 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	< 0.28 U	0.41 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.32 J	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 1.4 U	< 10.0 U	23.4	4.5 J	< 10.0 U	< 10.0 U	13.8	< 10.0 U
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	1.6 J	1.7 J	21.4	9.1 J	< 20.0 U	< 20.0 U	3.4 J	1.6 J
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 4.2 U	< 5.0 U	38.8	2.3 J	< 5.0 U	< 5.0 U	10.3	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 2.5 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	8.9	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	393	657	1510	1130	283	790	515	654
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.069 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	0.21	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	2.8 J	7.4 J	200	8.6 J	2.7 J	3.5 J	14.5 J	< 20.0 U
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 4.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 1.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 5.0 U	0.054 J	< 1.0 U	< 1.0 U	< 1.0 U	0.090 J	0.15 J	0.041 J
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 0.82 U	< 10.0 U	5.3 J	5.0 J	< 10.0 U	< 10.0 U	8.1 J	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 12.0 U	< 20.0 U	74.1	7.7 J	< 20.0 U	10.5 J	69.6	< 20.0 U
Metals-Filtered																		
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	< 2.2 U	< 25.0 U	NA	NA	NA	NA	NA	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	< 3.9 U	< 10.0 U	NA	NA	NA	NA	NA	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	17.8	21.4	NA	NA	NA	NA	NA	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 0.54 U	< 1.0 U	NA	NA	NA	NA	NA	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	< 0.28 U	< 5.0 U	NA	NA	NA	NA	NA	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	< 1.4 U	< 10.0 U	NA	NA	NA	NA	NA	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	< 1.3 U	< 20.0 U	NA	NA	NA	NA	NA	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 4.2 U	< 5.0 U	NA	NA	NA	NA	NA	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	< 2.5 U	< 3.0 U	NA	NA	NA	NA	NA	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	399	633	NA	NA	NA	NA	NA	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.069 U	< 0.20 U	NA	NA	NA	NA	NA	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	< 2.2 U	6.6 J	NA	NA	NA	NA	NA	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	< 4.5 U	< 5.0 U	NA	NA	NA	NA	NA	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	< 1.5 U	< 5.0 U	NA	NA	NA	NA	NA	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	< 5.0 U	0.064 J	NA	NA	NA	NA	NA	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	< 0.82 U	< 10.0 U	NA	NA	NA	NA	NA	NA
Zinc (dissolved)	ug/L	2400	5000	--							< 12.0 U	< 20.0 U	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF16-15 MWF16-15-GW-051605 5/16/2005	MWF16-15 MWF16-15-WG-111706 11/17/2006	MWF16-23 MWF16-23-WG-020706 2/7/2006	MWF16-23 MWF16-23-WG(092006) 9/20/2006	MWF16-23 MWF16-23-WG-111706 11/17/2006	MWF7-01 MWF7-01-GW(20-30)-N 10/11/2001	MWF7-01 MWF7-01-GW 1/9/2002	MWF7-01 MWF7-01-GW-051205 5/12/2005
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwater r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
Metals																		
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	< 25.0 U	NA	< 25.0 U	< 2.2 U	< 25.0 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	< 2.0 U	< 10.0 U	NA	< 2.0 U	30.0	23.6	< 10.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	96.9	105	119	NA	112	47.3	57.2	56.7
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 0.54 U	< 1.0 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 0.28 U	< 5.0 U	< 5.0 U
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	NA	< 10.0 U	2.9 J	< 10.0 U	13.4
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	2.3 J	3.6 J	< 20.0 U	NA	< 20.0 U	< 1.3 U	< 20.0 U	10.7 J
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	NA	< 5.0 U	17.9	< 5.0 U	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	< 3.0 U	NA	< 3.0 U	3.0	< 3.0 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	529	726	83.3	12.9	16.9	54.1	234	315
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	< 0.20 U	NA	< 0.20 U	0.17 J	< 0.20 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	2.8 J	3.9 J	7.0 J	NA	2.3 J	4.9 J	4.1 J	13.5 J
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 4.5 U	< 5.0 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	NA	< 5.0 U	< 1.5 U	< 5.0 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	0.024 J	0.061 J	NA	< 1.0 U	< 5.0 U	0.025 J	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	NA	< 10.0 U	17.1	7.8 J	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 20.0 U	14.0 J	< 20.0 U	NA	< 20.0 U	169	12.4 J	30.4
Metals-Filtered																		
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	3.0 J	< 25.0 U	NA
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	41.6	12.4	NA
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	38.6	64.6	NA
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 0.54 U	< 1.0 U	NA
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 0.28 U	< 5.0 U	NA
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 1.4 U	< 10.0 U	NA
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 1.3 U	< 20.0 U	NA
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	15.4	< 5.0 U	NA
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 2.5 U	< 3.0 U	NA
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	32.4	269	NA
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	< 0.069 U	< 0.20 U	NA
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	3.6 J	2.7 J	NA
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 4.5 U	< 5.0 U	NA
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 1.5 U	< 5.0 U	NA
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 5.0 U	0.025 J	NA
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	24.7	3.0 J	NA
Zinc (dissolved)	ug/L	2400	5000	--							NA	NA	NA	NA	NA	15.8 J	20.8	NA

Table 2
Groundwater Sample Analytical Summary-Metals
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-01 MWF7-01-GW-110305 11/3/2005	MWF7-01 MWF7-01-GW-051806 5/18/2006	MWF7-01 MWF7-01-WG-111006 11/10/2006	MWF7-01 MWF7-01-GW-05-02-07 5/2/2007	MWF7-01 MWF7-01-GW-110707 11/7/2007	MWF7-01 MWF7-01-GW-050708 5/7/2008	MWF7-01 MWF7-01-GW-110408 11/4/2008	MWF7-02 MWF7-02-GW(19-29)-N 10/11/2001	MWF7-02 MWF7-02-GW 1/9/2002
Chemical Name	Units	Residential Drinking Water	Nonresidenti al Drinking Water	Groundwate r Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE									
Metals																			
Antimony	ug/L	6	6	130	--	--	--	--	--	--	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 2.2 U	< 25.0 U
Arsenic	ug/L	10	10	10	--	--	--	--	--	--	< 10.0 U	0.93 J	< 2.0 U	0.54 J	< 2.0 U	1.3 J	0.67 J	< 3.9 U	< 10.0 U
Barium	ug/L	2000	2000	--	--	--	--	--	--	--	53.9	59.4	53.3	32.0	58.6	90.1	127	17.3	21.2
Beryllium	ug/L	4	4	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 0.54 U	< 1.0 U
Cadmium	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	0.68 J	< 5.0 U	< 5.0 U	< 0.28 U	0.38 J
Chromium	ug/L	--	--	--	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 1.4 U	1.5 J
Cobalt	ug/L	40	100	100	--	--	--	--	--	--	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 1.3 U	< 20.0 U
Copper	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 4.2 U	< 5.0 U
Lead	ug/L	4	4	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 3.0 U	< 2.5 U	< 3.0 U
Manganese	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	272	415	311	187	376	421	573	9.7 J	1.5 J
Mercury	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.069 U	< 0.20 U
Nickel	ug/L	--	--	--	--	--	--	--	--	--	< 20.0 U	2.3 J	2.0 J	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 2.2 U	< 20.0 U
Selenium	ug/L	50	50	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 4.5 U	< 5.0 U
Silver	ug/L	34	98	0.2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.5 U	< 5.0 U
Thallium	ug/L	2	2	3.7	--	--	--	--	--	--	< 1.0 U	0.046 J	< 1.0 U	0.030 J	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Vanadium	ug/L	4.5	62	27	--	--	--	--	--	--	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 0.82 U	< 10.0 U
Zinc	ug/L	2400	5000	--	--	--	--	--	--	--	< 20.0 U	15.5 J	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	< 20.0 U	6.2 J	< 12.0 U
Metals-Filtered																			
Antimony (dissolved)	ug/L	6	6	130	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 2.2 U	< 25.0 U
Arsenic (dissolved)	ug/L	10	10	10	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 3.9 U	< 10.0 U
Barium (dissolved)	ug/L	2000	2000	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	18.5	20.3
Beryllium (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 0.54 U	< 1.0 U
Cadmium (dissolved)	ug/L	5	5	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 0.28 U	< 5.0 U
Chromium Total (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 1.4 U	< 10.0 U
Cobalt (dissolved)	ug/L	40	100	100	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 1.3 U	< 20.0 U
Copper (dissolved)	ug/L	1000 (E)	1000 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 4.2 U	< 5.0 U
Lead (dissolved)	ug/L	4	4	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 2.5 U	< 3.0 U
Manganese (dissolved)	ug/L	50 (E)	50 (E)	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	10.3	1.1 J
Mercury (dissolved)	ug/L	2	2	0.0013	3.6	1.9	60	33	60	49	NA	NA	NA	NA	NA	NA	NA	< 0.069 U	< 0.20 U
Nickel (dissolved)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 2.2 U	< 20.0 U
Selenium (dissolved)	ug/L	50	50	5	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 4.5 U	< 5.0 U
Silver (dissolved)	ug/L	34	98	0.2	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 1.5 U	< 5.0 U
Thallium (dissolved)	ug/L	2	2	3.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 5.0 U	< 1.0 U
Vanadium (dissolved)	ug/L	4.5	62	27	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	0.84 J	< 10.0 U
Zinc (dissolved)	ug/L	2400	5000	--							NA	NA	NA	NA	NA	NA	NA	< 12.0 U	< 20.0 U

Table 2
Groundwater Sample Analytical Summary-PCBs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected		MWF12-01 MWF12-01-GW(16-26)-090501 9/5/2001	MWF12-01 MWF12-01GW(1626)R202 1/4/2002	MWF12-01 MWF12-01-GW 11/13/2002	MWF12-01 MWF1201W(15-25) 5/19/2003	MWF12-01 WF1201GW(16-2 12/16/2003	MWF12-01 MWF1201GW 5/4/2004	MWF12-01 MWF12-01-GW-102704 10/27/2004	MWF12-01 MWF12-01-GW-051105 5/11/2005	MWF12-01 MWF12-01-GW-110305 11/3/2005	MWF12-01 MWF12-01-GW-051806 5/18/2006	MWF12-01 MWF12-01-WG-111006 11/10/2006	MWF12-01 MWF12-01-GW-05-02-07 5/2/2007
Chemical Name	Units												
PCBS													
Aroclor-1016 (PCB-1016)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1221 (PCB-1221)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1232 (PCB-1232)	ug/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 UJ	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
Aroclor-1242 (PCB-1242)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1248 (PCB-1248)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1254 (PCB-1254)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1260 (PCB-1260)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U
PCBS-Filtered													
Aroclor-1016 (PCB-1016) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-PCBs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected		MWF12-01 MWF12-01-GW-110707 11/7/2007	MWF12-01 MWF12-01-GW-050708 5/7/2008	MWF12-01 MWF12-01-GW-110408 11/4/2008	MWF12-02 MWF12-02-GW(15-25)-090501 9/5/2001	MWF12-02 DUP-031-GW(0-0) 9/5/2001	MWF12-02 DUP-042-GW(0-0)R2 1/4/2002	MWF12-02 MWF12-02-GW 11/13/2002	MWF12-02 DUP201-GW 11/13/2002	MWF12-02 MWF1202W(15-25) 5/19/2003	MWF12-02 WF1202GW(15-25) 12/16/2003	MWF12-02 MWF1202GW 5/4/2004	MWF12-02 MWF12-02-GW-102704 10/27/2004	MWF12-02 MWF12-02-GW-051105 5/11/2005
Chemical Name	Units													
PCBS														
Aroclor-1016 (PCB-1016)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1221 (PCB-1221)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1232 (PCB-1232)	ug/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 UJ	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
Aroclor-1242 (PCB-1242)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1248 (PCB-1248)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1254 (PCB-1254)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1260 (PCB-1260)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
PCBS-Filtered														
Aroclor-1016 (PCB-1016) (dissolved)	ug/L	NA	NA	NA	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221) (dissolved)	ug/L	NA	NA	NA	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232) (dissolved)	ug/L	NA	NA	NA	< 0.40 U	< 0.40 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242) (dissolved)	ug/L	NA	NA	NA	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248) (dissolved)	ug/L	NA	NA	NA	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254) (dissolved)	ug/L	NA	NA	NA	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260) (dissolved)	ug/L	NA	NA	NA	< 0.20 U	< 0.20 U	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-PCBs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected		MWF12-02 MWF12-02-GW-110305 11/3/2005	MWF12-02 MWF12-02-GW-051806 5/18/2006	MWF12-02 MWF12-02-WG-111006 11/10/2006	MWF12-02 MWF12-02-GW-05-02-07 5/2/2007	MWF12-02 MWF12-02-GW-110707 11/7/2007	MWF12-02 MWF12-02-GW-050708 5/7/2008	MWF12-02 MWF12-02-GW-110408 11/4/2008	MWF15-01 MWF15-01-GW(19-29)-N 10/11/2001	MWF15-01 MWF15-01-GW 1/9/2002	MWF16-07 MWF16-07-GW112204 11/22/2004	MWF16-07 MWF16-07-WG-111706 11/17/2006
Chemical Name	Units											
PCBS												
Aroclor-1016 (PCB-1016)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.054 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1221 (PCB-1221)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.11 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1232 (PCB-1232)	ug/L	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.056 U	< 0.40 U	< 0.40 U	< 0.40 U
Aroclor-1242 (PCB-1242)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.075 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1248 (PCB-1248)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.061 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1254 (PCB-1254)	ug/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.082 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor-1260 (PCB-1260)	ug/L	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.044 U	< 0.20 U	< 0.20 U	< 0.20 U
PCBS-Filtered												
Aroclor-1016 (PCB-1016) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.054 U	NA	NA	NA
Aroclor-1221 (PCB-1221) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.11 U	NA	NA	NA
Aroclor-1232 (PCB-1232) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.056 U	NA	NA	NA
Aroclor-1242 (PCB-1242) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.075 U	NA	NA	NA
Aroclor-1248 (PCB-1248) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.061 U	NA	NA	NA
Aroclor-1254 (PCB-1254) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.082 U	NA	NA	NA
Aroclor-1260 (PCB-1260) (dissolved)	ug/L	NA	NA	NA	NA	NA	NA	NA	< 0.044 U	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-PCBs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected		MWF7-01 MWF7-01-GW(20-30)-N 10/11/2001	MWF7-01 MWF7-01-GW 1/9/2002	MWF7-01 MWF7-01-GW-051205 5/12/2005	MWF7-01 MWF7-01-GW-110305 11/3/2005	MWF7-01 MWF7-01-GW-051806 5/18/2006	MWF7-01 MWF7-01-WG-111006 11/10/2006	MWF7-01 MWF7-01-GW-05-02-07 5/2/2007	MWF7-01 MWF7-01-GW-110707 11/7/2007	MWF7-01 MWF7-01-GW-050708 5/7/2008	MWF7-01 MWF7-01-GW-110408 11/4/2008	MWF7-02 MWF7-02-GW(19-29)-N 10/11/2001	MWF7-02 MWF7-02-GW 1/9/2002
Chemical Name	Units												
PCBS													
Aroclor-1016 (PCB-1016)	ug/L	< 0.054 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.054 U	< 0.20 U
Aroclor-1221 (PCB-1221)	ug/L	< 0.11 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.11 U	< 0.20 U
Aroclor-1232 (PCB-1232)	ug/L	< 0.056 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.056 U	< 0.40 U
Aroclor-1242 (PCB-1242)	ug/L	< 0.075 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.075 U	< 0.20 U
Aroclor-1248 (PCB-1248)	ug/L	< 0.061 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.061 U	< 0.20 U
Aroclor-1254 (PCB-1254)	ug/L	< 0.082 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.082 U	< 0.20 U
Aroclor-1260 (PCB-1260)	ug/L	< 0.044 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.044 U	< 0.20 U
PCBS-Filtered													
Aroclor-1016 (PCB-1016) (dissolved)	ug/L	< 0.054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.054 U	NA
Aroclor-1221 (PCB-1221) (dissolved)	ug/L	< 0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.11 U	NA
Aroclor-1232 (PCB-1232) (dissolved)	ug/L	< 0.056 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.056 U	NA
Aroclor-1242 (PCB-1242) (dissolved)	ug/L	< 0.075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.075 U	NA
Aroclor-1248 (PCB-1248) (dissolved)	ug/L	< 0.061 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.061 U	NA
Aroclor-1254 (PCB-1254) (dissolved)	ug/L	< 0.082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.082 U	NA
Aroclor-1260 (PCB-1260) (dissolved)	ug/L	< 0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.044 U	NA

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF1 MWF1-GW(24-34)-N 8/23/2001	MWF1 DUP-028-GW(0-0)-N 8/23/2001	MWF1 MWF1-GW 1/7/2002	MWF1 MWF1-GW02 11/13/2002	MWF1 MWF1W(24-34) 5/19/2003	MWF1 WF1GW(24-34) 12/17/2003	MWF1 MWF1GW 5/5/2004	MWF1 MWF1-GW-102704 10/27/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
SVOCs																		
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 0.78 U	< 0.78 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 1.2 U	< 1.2 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 1.7 U	< 1.7 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 0.85 U	< 0.85 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 0.85 U	< 0.85 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 3.0 U	< 3.0 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 0.79 U	< 0.79 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 0.57 U	< 0.57 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 0.85 U	< 0.85 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 1.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 0.64 U	< 0.64 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 0.70 U	< 0.70 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 2.1 U	< 2.1 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 0.93 U	< 0.93 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 0.71 U	< 0.71 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 1.3 U	< 1.3 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 0.88 U	< 0.88 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 0.99 U	< 0.99 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 0.61 U	< 0.61 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 0.79 U	< 0.79 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 1.3 U	< 1.3 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 1.3 U	< 1.3 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 1.9 U	< 1.9 U	< 20 UJ	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 0.80 U	< 0.80 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 0.71 U	< 0.71 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 2.6 U	< 2.6 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 0.68 U	< 0.68 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 2.8 U	< 2.8 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 0.70 U	< 0.70 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 0.73 U	< 0.73 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 0.94 U	< 0.94 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 0.85 U	< 0.85 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 0.84 U	< 0.84 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 2.6 U	< 2.6 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 0.87 U	< 0.87 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 0.97 U	< 0.97 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 2.7 U	< 2.7 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 0.88 U	< 0.88 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 2.5 U	< 2.5 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 0.82 U	< 0.82 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 0.75 U	< 0.75 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 0.79 U	< 0.79 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 1.1 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 0.65 U	< 0.65 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 0.76 U	< 0.76 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 0.67 U	< 0.67 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 1.1 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 0.81 U	< 0.81 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 1.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 0.74 U	< 0.74 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 0.73 U	< 0.73 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 1.1 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 R	< 5.0 R	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 0.74 U	< 0.74 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 0.63 U	< 0.63 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 0.63 U	< 0.63 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 0.75 U	< 0.75 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 0.81 U	< 0.81 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 0.67 U	< 0.67 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 1.4 U	< 1.4 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 2.4 U	< 2.4 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 0.82 U	< 0.82 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 2.6 U	< 2.6 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 1.1 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF1 MWF1-GW-051105 5/11/2005	MWF1 MWF1-GW-110305 11/3/2005	MWF1 MWF1-GW-051806 5/18/2006	MWF1 MWF1-WG-11-14-0 11/14/2006	MWF1 MWF1-GW-05-03- 5/3/2007	MWF1 MWF1-GW-110707 11/7/2007	MWF1 MWF1-GW-050808 5/8/2008	MWF12-01 MWF12-01-GW(16-26)02 1/4/2002
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
SVOCs																		
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 R
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 U	1.0 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	0.93 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 UJ	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01-GW 11/13/2002	MWF12-01 MWF1201W(15-25) 5/19/2003	MWF12-01 WF1201GW(16-2 12/16/2003	MWF12-01 MWF1201GW 5/4/2004	MWF12-01 MWF12-01-GW-102704 10/27/2004	MWF12-01 MWF12-01-GW-051105 5/11/2005	MWF12-01 MWF12-01-GW-110305 11/3/2005
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
SVOCs																	
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 UJ	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 UJ	< 10 R	< 10 U	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	3.7 J	< 5.0 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 U	< 5.0 UJ	< 5.0 R	< 5.0 R	< 5.0 UJ	< 5.0 U	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01-GW-051806 5/18/2006	MWF12-01 MWF12-01-WG-111006 11/10/2006	MWF12-01 MWF12-01-GW-05-02-07 5/2/2007	MWF12-01 MWF12-01-GW-110707 11/7/2007	MWF12-01 MWF12-01-GW-050708R2 5/7/2008	MWF12-01 MWF12-01-GW-110408 11/4/2008
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
SVOCs																
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 20 U	< 20 U	< 20 UJ	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 DUP-031-GW(0-0) 9/5/2001	MWF12-02 MWF12-02-GW(15-25)-090501 9/5/2001	MWF12-02 DUP-042-GW(0-0) 1/4/2002	MWF12-02 MWF12-02-GW(15-25)02 1/4/2002	MWF12-02 MWF12-02-GW 11/13/2002	MWF12-02 DUP201-GW 11/13/2002	MWF12-02 MWF1202W(15-25) 5/19/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
SVOCs																	
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 R	< 10 R	< 10 U	< 10 U	< 10 UJ
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 UJ	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 UJ
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 WF1202GW(15-2) 12/16/2003	MWF12-02 MWF1202GW 5/4/2004	MWF12-02 MWF12-02-GW-102704 10/27/2004	MWF12-02 MWF12-02-GW-051105 5/11/2005	MWF12-02 MWF12-02-GW-110305 11/3/2005	MWF12-02 MWF12-02-GW-051806 5/18/2006	MWF12-02 MWF12-02-WG-111006 11/10/2006
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
SVOCs																	
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 R	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 UJ	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	0.45 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 R	< 5.0 R	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 UJ	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 MWF12-02-GW-05-02-07 5/2/2007	MWF12-02 MWF12-02-GW-110707 11/7/2007	MWF12-02 MWF12-02-GW-050708 5/7/2008	MWF12-02 MWF12-02-GW-110408 11/4/2008	MWF15-01 MWF15-01-GW(19-29)-N 10/11/2001	MWF15-01 MWF15-01-GW 1/9/2002
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
SVOCs																
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.78 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.2 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.7 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.85 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 3.0 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.57 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.64 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 0.70 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.1 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 0.93 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 0.71 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	ug/L	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 1.3 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.88 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.99 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.61 U	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.3 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 1.3 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 1.9 U	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.80 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.71 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 10 U	< 10 U	< 2.6 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.68 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.5 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.8 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.70 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.73 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.94 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.84 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.6 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.87 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.97 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.7 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.88 U	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.82 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.75 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.65 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.76 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.67 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.81 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.74 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.73 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.74 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.63 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.63 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.75 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.81 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.67 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.4 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.4 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.82 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.6 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF16-07 MWF16-07-GW112204 11/22/2004	MWF16-07 MWF16-07-WG-111706 11/17/2006	MWF7-01 MWF7-01-GW(20-30)-N 10/11/2001	MWF7-01 MWF7-01-GW 1/9/2002	MWF7-01 MWF7-01-GW-051205 5/12/2005	MWF7-01 MWF7-01-GW-110305 11/3/2005	MWF7-01 MWF7-01-GW-051806 5/18/2006
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
SVOCs																	
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.78 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 1.2 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 1.7 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 0.85 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 3.0 U	< 20 U	< 20 U	< 20 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.57 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 0.64 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 0.70 U	< 20 U	< 20 U	< 20 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 2.1 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 0.93 U	< 20 U	< 20 U	< 20 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 0.71 U	< 20 U	< 20 U	< 20 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 U	< 1.3 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.88 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.99 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 0.61 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 1.3 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 1.3 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 UJ	< 1.9 U	< 20 U	< 20 U	< 20 U	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 0.80 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 0.71 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 2.6 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 0.68 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 2.5 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 2.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 0.70 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.73 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.94 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.84 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 2.6 U	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.87 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 0.97 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 2.7 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 U	< 5.0 UJ	< 0.88 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	4.1 J	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 0.82 U	< 10 U	< 10 U	< 10 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.75 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.65 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.76 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.67 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.81 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 0.74 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.73 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 0.74 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.63 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.63 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 0.75 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.81 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.67 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 1.4 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 2.4 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 0.82 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 2.6 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 UJ	< 1.1 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-SVOCs
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-01 MWF7-01-WG-111006 11/10/2006	MWF7-01 MWF7-01-GW-05-02-07 5/2/2007	MWF7-01 MWF7-01-GW-110707 11/7/2007	MWF7-01 MWF7-01-GW-050708 5/7/2008	MWF7-01 MWF7-01-GW-110408 11/4/2008	MWF7-02 MWF7-02-GW(19-29)-N 10/11/2001	MWF7-02 MWF7-02-GW 1/9/2002
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
SVOCs																	
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.78 U	< 5.0 U
2,4,5-Trichlorophenol	ug/L	730	2100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.2 U	< 5.0 U
2,4,6-Trichlorophenol	ug/L	120	470	5	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.7 U	< 5.0 U
2,4-Dichlorophenol	ug/L	73	210	11	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.85 U	< 10 U
2,4-Dimethylphenol	ug/L	370	1000	380	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U
2,4-Dinitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 3.0 U	< 20 U
2,4-Dinitrotoluene	ug/L	7.7	32	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U
2,6-Dinitrotoluene	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.57 U	< 5.0 U
2-Chloronaphthalene	ug/L	1800	5200	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U
2-Chlorophenol	ug/L	45	130	18	100000	52000	1500000	630000	2300000	950000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 5.0 U
2-Methylnaphthalene	ug/L	260	750	19	3500	1800	25000	25000	25000	25000	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.64 U	< 5.0 U
2-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
2-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 0.70 U	< 20 U
2-Nitrophenol	ug/L	20	58	--	0.12	0.12	1.4	1	2	1.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.1 U	< 5.0 U
3,3'-Dichlorobenzidine	ug/L	1.1	4.3	0.3	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 0.93 U	< 20 U
3-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 0.71 U	< 20 U
4,6-Dinitro-2-methylphenol	ug/L	20	20	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.3 U	< 20 U
4-Bromophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.88 U	< 5.0 U
4-Chloro-3-methylphenol	ug/L	150	420	7.4	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.99 U	< 5.0 U
4-Chloroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.61 U	< 10 U
4-Chlorophenyl phenyl ether	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U
4-Methylphenol	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.3 U	< 5.0 U
4-Nitroaniline	ug/L	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.3 U	< 20 U
4-Nitrophenol	ug/L	--	--	--	--	--	--	--	--	--	< 20 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 1.9 U	< 20 U
Acenaphthene	ug/L	1300	3800	38	3900	3900	3900	3900	3900	3900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.80 U	< 5.0 U
Acenaphthylene	ug/L	52	150	--	65	65	1400	990	2000	1400	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.71 U	< 5.0 U
Acetophenone	ug/L	1500	4400	--	6100000	6100000	6100000	6100000	6100000	6100000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.6 U	< 10 U
Anthracene	ug/L	43	43	--	43	43	43	43	43	43	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.68 U	< 5.0 U
Atrazine	ug/L	3	3	7.3	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.5 U	< 5.0 U
Benzaldehyde	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.8 U	< 10 U
Benzo(a)anthracene	ug/L	2.1	8.5	--	9.4	9.4	9.4	9.4	9.4	9.4	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.70 U	< 5.0 U
Benzo(a)pyrene	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.73 U	< 5.0 U
Benzo(b)fluoranthene	ug/L	1.5	1.5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.94 U	< 5.0 U
Benzo(g,h,i)perylene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.85 U	< 5.0 U
Benzo(k)fluoranthene	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.84 U	< 5.0 U
Biphenyl (1,1-Biphenyl)	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.6 U	< 10 U
bis(2-Chloroethoxy)methane	ug/L	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.87 U	< 5.0 U
bis(2-Chloroethyl)ether	ug/L	2	8.3	1	240	120	7900	3300	12000	4900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.97 U	< 5.0 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	6	6	14	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.7 U	< 5.0 U
Butyl benzylphthalate (BBP)	ug/L	1200	2700	67	--	--	--	--	--	--	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.88 U	< 5.0 U
Caprolactam	ug/L	5800	17000	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.5 U	< 10 U
Carbazole	ug/L	85	350	10	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.82 U	< 10 U
Chrysene	ug/L	1.6	1.6	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.75 U	< 5.0 U
Dibenz(a,h)anthracene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.79 U	< 5.0 U
Dibenzofuran	ug/L	--	--	4	3100	3100	3100	3100	3100	3100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
Diethyl phthalate	ug/L	5500	16000	110	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.65 U	< 5.0 U
Dimethyl phthalate	ug/L	73000	210000	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.76 U	< 5.0 U
Di-n-butylphthalate (DBP)	ug/L	880	2500	9.7	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.67 U	< 5.0 U
Di-n-octyl phthalate (DnOP)	ug/L	130	380	--	22	22	22	22	22	22	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
Fluoranthene	ug/L	210	210	1.6	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.81 U	< 5.0 U
Fluorene	ug/L	880	2000	12	1700	1700	1700	1700	1700	1700	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.0 U	< 5.0 U
Hexachlorobenzene	ug/L	1	1	0.2	6.2	4.7	6.2	6.2	6.2	6.2	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.74 U	< 5.0 U
Hexachlorobutadiene	ug/L	15	42	0.053	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.73 U	< 5.0 U
Hexachlorocyclopentadiene	ug/L	50	50	--	2.3	1.1	43	18	65	27	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U
Hexachloroethane	ug/L	7.3	21	6.7	130	64	3900	1600	5900	2500	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.74 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	ug/L	2	2	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.63 U	< 5.0 U
Isophorone	ug/L	770	3100	1300	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.63 U	< 5.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.75 U	< 5.0 U
Nitrobenzene	ug/L	3.4	9.6	180	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.81 U	< 5.0 U
N-Nitrosodi-n-propylamine	ug/L	5	5	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.67 U	< 5.0 U
N-Nitrosodiphenylamine	ug/L	270	1100	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.4 U	< 5.0 U
Pentachlorophenol	ug/L	1	1	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.4 U	< 5.0 U
Phenanthrene	ug/L	52	150	2	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 0.82 U	< 5.0 U
Phenol	ug/L	4400	13000	450	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.6 U	< 5.0 U
Pyrene	ug/L	140	140	--	140	140	140	140	140	140	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 5.0 U

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MW-02-17 MW-02-17_GW-042117 4/21/2017	MW-02-17 MW-02-17_GW-072017 7/20/2017	MW-02-17 DUP-01 (07-20-2017) 7/20/2017	MW-02-17 MW-02-17_GW-102317 10/23/2017	MW-02-17 MW-02-17_GW-011518 1/15/2018	MW-02-17 MW-02-17_GW-100218 10/2/2018	MW-02-17 MW-02-17_GW-100719 10/7/2019
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	< 1 U	3	4	5	8	6	7
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	2	2	2	2	2	2	2
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	< 3 U	< 3 U	< 3 U	12	19	21	29
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	12	5	5	10	11	6	10
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	1	2	2	2	2	2	4
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MW-02-17 MW-02-17_GW-10132020 10/13/2020	MW-02-17 MW-02-17_GW-060721 6/7/2021	MW-02-17 MW-02-17_GW-10192021 10/19/2021	MW-05-18 MW-05-18_GW-100118 10/1/2018	MW-05-18 DUP-01_GW-100118 10/1/2018	MW-05-18 MW-05-18_GW-100719 10/7/2019	MW-05-18 MW-05-18_GW-083120 8/31/2020
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	< 1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	6	10	2	4	4	8	3
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	< 1 U	< 1 U	1	4	4	9	3
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	< 5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	< 1 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	< 1 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	< 1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	30	NA	5	2	2	4	2
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	< 5 U	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	3200000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	< 2 U	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	< 1 U	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	< 1 U	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U	6	6	13	3
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 5 U	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	< 10 U	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	< 5 U	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	NA	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	< 5 U	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	< 1 U	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	< 1 U	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	< 1 U	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	3	8	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	< 90 U	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	2	2	7	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MW-05-18 MW-05-18_GW-10132020 10/13/2020	MW-05-18 MW-05-18_GW-120720 12/7/2020	MW-05-18 MW-05-18_GW-030921 3/9/2021	MW-05-18 MW-05-18_GW-060721 6/7/2021	MW-05-18 MW-05-18_GW-10182021 10/18/2021	MW-06-20 MW-06-20_GW-090120 9/1/2020	MW-06-20 MW-06-20_GW-120720 12/7/2020
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	< 1 U	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	7	7	5	5	4	4	4
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	7	8	6	7	6	7	8
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	2	1	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	< 5 U	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	< 1 U	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	< 1 U	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	3	< 1 U	< 1 U	NA	2	5	3
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	< 5 U	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	< 1 U	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	3200000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	< 2 U	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	< 1 U	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	< 1 U	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	12	15	11	11	10	7	7
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 5 U	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	< 10 U	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	< 5 U	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 1 U	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	< 5 U	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	< 1 U	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	< 1 U	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	< 1 U	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	< 90 U	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 1 U	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	7	8
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrchloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MW-06-20 MW-06-20 GW-030921 3/9/2021	MW-06-20 MW-06-20 GW-060221 6/2/2021	MW-07-20 MW-07-20 GW-083120 8/31/2020	MW-07-20 MW-07-20 GW-120720 12/7/2020	MW-07-20 MW-07-20 GW-031221 3/12/2021	MW-07-20 MW-07-20 GW-060721 6/7/2021	MW-08-21 MW-08-21 GW-060221 6/2/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	4	5	5	5	5	5	4
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	10	9	9	10	12	12	12
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	< 1 U	NA	1	< 1 U	< 1 U	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	3200000	1800000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	8	8	9	12	15	13	11
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	11	12	2	2	3	3	10
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrchloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF1 MWF1-GW(24-34)-N 8/23/2001	MWF1 DUP-028-GW(0-0)-N 8/23/2001	MWF1 MWF1-GW 1/7/2002	MWF1 MWF1-GW02 11/13/2002	MWF1 MWF1W(24-34) 5/19/2003	MWF1 WF1GW(24-3 12/17/2003	MWF1 MWF1GW 5/5/2004	MWF1 MWF1-GW-102704 10/27/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	0.53 J	0.52 J	7.0	6.8	< 1.0 UJ	7.2	8.3	5.7
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 0.25 U	< 0.25 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 R	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 0.30 U	< 0.30 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	< 0.16 U	< 0.16 U	1.0	0.85 J	< 1.0 UJ	1.1	0.99 J	1.3
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 0.24 U	< 0.24 U	0.97 J	0.81 J	< 1.0 UJ	1.4	0.53 J	< 1.3 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 0.17 U	< 0.17 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 0.62 U	< 0.62 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 0.22 U	< 0.22 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 0.11 U	< 0.11 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 0.21 U	< 0.21 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 0.17 U	< 0.17 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 0.15 U	< 0.15 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 0.17 U	< 0.17 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 0.41 U	< 0.41 U	< 1.0 U	< 10 UJ	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 0.46 U	< 0.46 U	< 10 UJ	< 10 UJ	< 10 UJ	< 10 U	< 10 U	< 10 UJ
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 0.23 U	< 0.23 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 R	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	17 J	17 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 U	< 10 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 0.16 U	< 0.16 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 0.17 U	< 0.17 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 0.18 U	< 0.18 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 0.20 U	< 0.20 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 0.20 U	< 0.20 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 0.12 U	< 0.12 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 0.14 U	< 0.14 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 0.26 U	< 0.26 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 0.14 U	< 0.14 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	0.17 J	< 0.13 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 0.22 U	< 0.22 U	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 0.12 U	< 0.12 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 0.13 U	< 0.13 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 0.26 U	< 0.26 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 0.26 U	< 0.26 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 UJ	< 2.0 U	< 2.0 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 0.12 U	< 0.12 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 0.12 U	< 0.12 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 0.41 U	< 0.41 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 0.15 U	< 0.15 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 0.13 U	< 0.13 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 0.34 U	< 0.34 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 0.15 U	< 0.15 U	< 1.0 U	< 1.0 U	< 1.0 R	< 1.0 U	< 1.0 U	< 1.0 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 0.23 U	< 0.23 U	0.55 J	0.46 J	< 1.0 UJ	< 1.0 U	0.30 J	0.38 J
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 0.18 U	< 0.18 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	6700	3000	< 0.15 U	< 0.15 U	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 U	< 1.0 U

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF1 MWF1-GW-051105 5/11/2005	MWF1 MWF1-GW-110305 11/3/2005	MWF1 MWF1-GW-051806 5/18/2006	MWF1 MWF1-WG-11-14-0 11/14/2006	MWF1 MWF1-GW-05-03- 5/3/2007	MWF1 MWF1-GW-110707 11/7/2007	MWF1 MWF1-GW-050808 5/8/2008	MWF1 MWF1-GW-121509 12/15/2009
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	2.6	7.8	4.5	7.1	8.4	7.2	1.2	0.87 J
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	0.44 J	1.1	0.69 J	2.4	2.2	1.7	0.55 J	0.70 J
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1.0 U	0.73 J	0.67 J	0.78 J	0.59 J	0.89 J	0.29 J	0.28 J
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	0.41 J
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 1.0 U	0.22 J	0.17 J	< 1.0 U	0.49 J	< 1.0 U	< 1.0 UJ
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	5500									

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											SVOC DUP-176-GW-121509FD 12/15/2009	MWF1R MWF1R(110410)-GW 11/4/2010	MWF1R MWF1R_092211 9/22/2011	MWF1R MWF-1R_100212 10/2/2012	MWF1R MWF 1R_20131204 12/4/2013	MWF1R MWF1R-091914 9/19/2014	MWF1R MWF-1R (09222015) 9/22/2015	MWF1R MWF1R_092016 9/20/2016
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	< 1 U
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	0.76 J	< 1.0 U	0.53 J	< 1.0 U	< 1.0 U	< 1.0 U	0.67 J	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	0.70 J	0.22 J	0.95 J	< 1.0 U	< 1.0 U	0.28 J	0.61 J	< 1 U
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	0.20 J	< 1.0 U	0.22 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	< 5 U
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	< 1 U
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	< 1 U
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 5.0 U	U	< 1.0 U	UJ	< 1.0 U	< 1.0 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 1.0 U	U	< 1.0 U	UJ	< 1.0 U	< 1.0 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA	4
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 10 U	< 25 U	U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 50 U	U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 5 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	< 1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 U	< 50 U	U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 10 U	< 25 U	U	< 25 U	< 25 U	< 25 U	< 25 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	< 2 U
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	< 1 U
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1.0 U	U	< 1.0 U	UJ	< 1.0 U	< 1.0 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 UJ	< 1.0 U	UJ	< 1.0 U	UJ	< 1.0 U	< 1.0 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 5.0 U	U	0.23 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	< 1 U
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 1.0 U	U	< 1.0 U	UJ	< 1.0 U	< 1.0 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 UJ	< 1.0 U	U	< 1.0 U	< 1.0 U	U	< 1.0 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	< 1.0 U	U	< 1.0 U				

Table 2 - Groundwater_REV 01072022

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF1201GW(16-26)DL 12/16/2003	MWF12-01 MWF1201GWDL 5/4/2004	MWF12-01 MWF12-01-GW-102704DL 10/27/2004	MWF12-01 MWF12-01-GW-040105DL 4/1/2005	MWF12-01 MWF12-01-GW-051105DL 5/11/2005	MWF12-01 MWF12-01-GW-110305 11/3/2005	MWF12-01 MWF12-01-GW-051806 5/18/2006
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	37	58	81	49	49	79	35
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	6.6	5.9	8.0	4.3	5.3	5.9	10
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	2.8	4.8	10	1.4 J	4.8	6.0	5.7
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 UJ	< 2.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.9 UJ	< 4.0 U	< 5.0 UJ	< 3.3 U	< 4.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 14 U	< 20 U	< 25 U	< 17 U	< 20 U	< 10 U	< 10 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 14 U	< 20 U	< 25 UJ	< 17 U	< 20 U	< 10 U	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 14 U	< 20 U	< 25 U	< 17 U	< 20 U	< 10 U	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 14 U	< 20 U	< 25 U	< 17 U	< 20 U	< 10 U	< 10 UJ
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.4 R	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.4 R	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 UJ	< 1.0 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	0.19 J
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	0.74	< 1.0 U	0.67 J	< 1.7 U	0.47 J	0.30 J	0.57 J
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.4 U	< 2.0 U	< 2.5 U	< 1.7 U	< 2.0 U	< 1.0 U	< 1.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA		

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01-WG-111006 11/10/2006	MWF12-01 MWF12-01-GW-05-02-07 5/2/2007	MWF12-01 MWF12-01-GW-110707DL 11/7/2007	MWF12-01 MWF12-01-GW-050708 5/7/2008	MWF12-01 MWF12-01-GW-110408DL 11/4/2008	MWF12-01 MWF12-01-GW-121509DL 12/15/2009
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
VOCs																
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	13	22	61	22	48	62
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	0.80 J	4.2	9.0	2.8	7.5	6.0
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	0.37 J	1.4	6.2	0.99 J	3.0	3.5
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 1.0 UJ	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 2.0 UJ	< 4.0 U	< 2.0 U	< 3.3 U	< 4.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 10 U	< 10 U	< 20 U	< 10 U	< 17 U	< 20 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 10 U	< 20 U	< 10 U	< 17 U	< 20 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 U	< 10 U	< 20 U	< 10 U	< 17 U	< 20 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 10 U	< 10 U	< 20 U	< 10 U	65	< 20 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 UJ
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	0.84 J
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1.0 U	< 1.0 U	0.61 J	< 1.0 U	0.55 J	0.59 J
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1.0 U	< 1.7 U	< 1.0 UJ	< 1.7 U	< 2.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 2.0 U	< 2.0 U	< 4.0 U	< 2.0 U	< 3.3 UJ	< 4.0 UJ
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 20 U	< 10 U	< 17 U	< 20 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 UJ	< 1.7 U	< 2.0 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5.0 U	< 5.0 U	< 10 U	< 5.0 U	< 8.4 U	< 10 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 UJ	< 2.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 UJ	< 1.7 U	< 2.0 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 UJ	< 1.7 UJ	< 2.0 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 UJ	< 1.7 U	< 2.0 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 UJ
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U	< 1.7 U	< 2.0 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	< 2.0 U	< 2.0 U	< 4.0 U	< 2.0 UJ	< 3.3 U	< 4.0 U

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01(110410)-GW 11/4/2010	MWF12-01 MWF12-01_092211 9/22/2011	MWF12-01 MWF12-01_100312 10/3/2012	MWF12-01 MWF12-01_20131204 12/4/2013	MWF12-01 MWF12-01-091914 9/19/2014	MWF12-01 MWF 12-01 (09222015) 9/22/2015	MWF12-01 DUP-01(09222015) 9/22/2015	MWF12-01 MWF12-01-GW-051916 5/19/2016
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	9.1	15	9.0	26	25	22	18	NA
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	1.6	2.4	1.1	4.1	4.6	3.9	4.1	NA
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	0.66 J	1.0	0.45 J	1.4	2.2	1.2	1.2	NA
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	9.3	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	NA
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	NA
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	NA
Acetone	ug/L	730	2100	1700	3200000	18000000	240000000	110000000	360000000	160000000	1.2 J	U	< 25 U	2.4 J	< 25 U	< 25 U	< 25 U	NA
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	UJ	< 1.0 U	UJ	< 1.0 U	< 1.0 U	< 1.0 U	NA
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5.0 U	U	< 5.0 U	2.5 J	< 5.0 U	< 5.0 U	< 5.0 U	NA
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	U	< 1.0 U	UJ	< 1.0 U	< 1.0 U	UJ	NA
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	U	< 1.0 U	UJ	U	< 1.0 U	< 1.0 U	NA
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1.0 U	U	< 1.0 U	< 1.0 U	0.20 J	< 1.0 U	< 1.0 U	NA
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.1	

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01_092116 9/21/2016	MWF12-01 DUP-02_092116 9/21/2016	MWF12-01 MWF12-01_GW-042617 4/26/2017	MWF12-01 MWF12-01_GW-072117 7/21/2017	MWF12-01 MWF12-01_GW-102417 10/24/2017	MWF12-01 DUP-02_GW-102417 10/24/2017	MWF12-01 MWF12-01_GW-011618 1/16/2018
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	< 1	< 1	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	16	17	< 1 U	24	8	10	25
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	3	4	4	5	2	2	3
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1	1	< 1 U	1	< 1 U	< 1 U	1
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	< 5	< 5	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	< 1	< 1	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	< 1	< 1	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	< 1	< 1	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	< 1	< 1	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	6	< 3 U	< 3 U	NA	5
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25	< 25	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50	< 50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	< 5	< 5	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	< 1	< 1	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50	< 50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50	< 50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	< 2	< 2	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	< 1	< 1	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	< 1	< 1	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	< 5	< 5	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	< 5	< 5	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	< 10	< 10	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	< 5	< 5	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	< 1	< 1	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 5	< 5	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2	< 2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5	< 5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5	< 5	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	< 1	< 1	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	< 1	< 1	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	< 1	< 1	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	< 90	< 90	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	< 1	< 1	NA	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1	< 1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-01 MWF12-01_GW-100318 10/3/2018	MWF12-01R MWF12-01R_GW-10132020 10/13/2020	MWF12-01R MWF12-01R_GW-060821 6/8/2021	MWF12-01R MWF12-01R_GW-10182021 10/18/2021	MWF12-01R DUP-05_GW-10182021 10/18/2021	MWF12-02 DUP-031-GW(0-0) 9/5/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE						
VOCs																
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	< 1 U	< 1 U	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	NA	NA	40	40	41	< 1.0 U
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	NA	NA	5	5	5	0.46 J
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	< 5 U	< 5 U	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	< 1 U	< 1 U	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	< 1 U	< 1 U	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	< 1 U	< 1 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	NA	NA	< 5 U	< 5 U	< 5 U	< 2.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	NA	NA	< 1 U	NA	NA	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	< 1 U	< 1 U	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	5	107	NA	83	86	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	NA	NA	< 25 U	< 25 U	< 25 U	< 10 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	NA	NA	< 50 U	< 50 U	< 50 U	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	< 5 U	< 5 U	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	< 1 U	< 1 U	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	NA	NA	< 50 U	< 50 U	< 50 U	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	NA	NA	< 50 U	< 50 U	< 50 U	0.63 J
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	< 2 U	< 2 U	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	< 1 U	< 1 U	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	< 1 U	< 1 U	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	NA	NA	< 1 U	< 1 U	< 1 U	0.17 J
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	NA	NA	< 1 U	< 1 U	< 1 U	< 0.50 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	NA	NA	< 1 U	NA	NA	< 1.0 UJ
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	< 5 U	< 5 U	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	NA	NA	< 5 U	< 5 U	< 5 U	< 2.0 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	< 10 U	< 10 U	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Hexachloroethane	ug/L	--	21	6.7	--	--	--	--	--	--	NA	NA	< 5 U	< 5 U	< 5 U	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	< 1 U	< 1 U	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	NA	NA	< 1 U	< 5 U	< 5 U	< 1.0 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 2 U	< 2 U	< 2 U	NA
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 10 U	NA	NA	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	< 1.0 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	NA	NA	< 5 U	< 5 U	< 5 U	< 5.0 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	NA	NA	< 5 U	< 5 U	< 5 U	< 1.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	< 5 U	< 5 U	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	< 1 U	< 1 U	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	< 1 U	< 1 U	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	< 1 U	< 1 U	NA
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	< 1 U	< 1 U	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	< 90 U	< 90 U	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	NA	NA	< 1 U	< 1 U	< 1 U	0.46 J
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	NA	NA	< 1 U	< 1 U	< 1 U	< 0.50 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	< 1 U	< 1 U	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Trifluorotrchloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	NA	NA	< 1 U	NA	NA	< 1.0 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	NA	NA	< 1 U	< 1 U	< 1 U	< 1.0 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	< 1.0 U

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 MWF12-02-GW(15-25)-090501 9/5/2001	MWF12-02 DUP-042-GW(0-0)DL 1/4/2002	MWF12-02 MWF12-02-GW(15-25)02 1/4/2002	MWF12-02 MWF12-02-GW 11/13/2002	MWF12-02 DUP201-GW 11/13/2002	MWF12-02 MWF1202W(15-25) 5/19/2003	MWF12-02 MWF1202GW(15-25) 12/16/2003	MWF12-02 MWF1202GW 5/4/2004
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	0.20 J	33	1.3	2.0	1.7	0.77 J	0.25 J	0.26 J
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	0.55 J	4.6	2.6	1.8	1.6	0.84 J	0.98 J	3.2
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1.0 U	2.3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 4.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 UJ	< 2.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 1.0 U	< 2.0 U	< 1.0 U	< 10 UJ	< 10 UJ	< 1.0 UJ	< 1.0 U	< 1.0 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 20 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ	< 10 U	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 UJ	< 20 U	< 10 UJ	< 10 R	< 10 R	< 10 R	< 10 U	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	0.78 J	< 20 UJ	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ	< 10 U	< 10 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 R	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 R	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 UJ	< 2.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 R	< 1.0 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	0.15 J	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 0.50 U	< 1.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.1			

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 MWF12-02-GW-102704 10/27/2004	MWF12-02 MWF12-02-GW-051105 5/11/2005	MWF12-02 MWF12-02-GW-110305 11/3/2005	MWF12-02 MWF12-02-GW-051806 5/18/2006	MWF12-02 MWF12-02-WG-111006 11/10/2006	MWF12-02 MWF12-02-GW-05-02-07 5/2/2007	MWF12-02 MWF12-02-GW-110707 11/7/2007
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	0.22 J	0.37 J	0.81 J	1.9	2.9	2.6	2.1
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	3.3	2.1	2.5	1.4	1.7	1.1	1.3
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1.0 U	< 1.0 U	< 1.0 U	0.18 J	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 10 U	< 10 U	< 10 U	1.0 J	< 10 U	< 10 U	< 10 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.34 J
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--												

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 MWF12-02-GW-050708 5/7/2008	MWF12-02 MWF12-02-GW-110408DL 11/4/2008	MWF12-02 MWF12-02_092116 9/21/2016	MWF12-02 MWF12-02_092226 9/22/2016	MWF12-02 MWF12-02_GW-042617 4/26/2017	MWF12-02 MWF12-02_GW-072117 7/21/2017	MWF12-02 MWF12-02_GW-102417 10/24/2017
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	< 1	< 1 U	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	2.4	1.2 J	4	3	2	2	1
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	3.4	3.4	2	1	1	1	2
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	< 5	< 5 U	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	< 1	< 1 U	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	< 1	< 1 U	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 2.5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	< 1	< 1 U	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 5.0 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	< 1	< 1 U	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	3	< 3 U	< 3 U	< 3 U	< 3 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 10 U	< 25 U	< 25	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 25 U	< 50	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	< 5	< 5 U	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	< 1	< 1 U	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 U	< 25 U	< 50	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 10 U	200	< 50	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	< 2	< 2 U	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	< 1	< 1 U	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	< 2.5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 2.5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	< 1	< 1 U	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 2.5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 2.5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1.0 U	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 UJ	< 2.5 U	< 1	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	< 2.5 U	NA	NA	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 5	< 5 U	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 1.0 U	< 2.5 U	< 5	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	< 5	< 5 U	NA	NA	NA
D																	

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF12-02 MWF12-02_GW-011618 1/16/2018	MWF12-02 DUP-01_GW-011618 1/16/2018	MWF12-02 MWF12-02_GW-100318 10/3/2018	MWF12-02 MWF12-02_GW-100719 10/7/2019	MWF12-02 MWF12-02_GW-10132020 10/13/2020	MWF12-02 DUP-01_GW-10132020 10/13/2020	MWF15-01 MWF15-01-GW(19-29)-N 10/11/2001
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	1	1	1	1	< 1 U	< 1 U	< 0.15 U
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.25 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.30 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	2	2	2	2	2	2	7.6
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.24 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.17 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.62 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.22 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.11 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.21 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.17 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.15 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.17 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	4	4	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 0.41 UJ
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 0.46 UJ
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 0.23 UJ
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 0.51 UJ
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.16 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.17 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.18 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 UJ
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.12 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.14 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.26 UJ
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.54 J
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	0.41 J
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.22 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.12 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.13 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.26 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L																

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



											Location ID Sample ID Date Collected	MWF15-01 MWF15-01-GW 1/9/2002	MWF15-01 MWF15-01_GW-060821 6/8/2021	MWF16-07 MWF16-07-GW112204DL 11/22/2004	MWF16-07 MWF16-07-WG-111706DL 11/17/2006	MWF16-07 MWF16-07_GW-060721 6/7/2021	MWF16-07 MWF16-07_GW-120720 12/7/2020	MWF16-13 MWF16-13-GW-051205 5/12/2005
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	0.61 J	3	< 5.0 U	< 5.0 U	< 1 U	< 1 U	33	
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	0.22 J	
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	2.0	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	8.7	
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	2.4	
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 1.0 U	
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U	< 2.0 UJ	
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 1 U	< 5.0 U	< 5.0 UJ	< 1 U	< 1 U	< 1.0 U	
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	< 1 U	< 1 U	NA	
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 1.0 U	< 25 U	< 5.0 U	< 50 UJ	< 25 U	< 25 U	< 10 UJ	
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 50 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 UJ	
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 1.0 U	< 50 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 UJ	
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 1.0 U	< 50 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 UJ	
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 1.0 U	
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 1.0 U	
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 1 U	< 5.0 U	< 5.0 UJ	< 1 U	< 1 U	< 1.0 U	
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 5 U	< 5.0 U	< 5.0 UJ	< 5 U	< 5 U	< 1.0 U	
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	0.54 J	
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 1.0 U	
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 0.50 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	2.8	
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 1 U	< 1.0 U	
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 1.0 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 1	

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF16-13 MWF16-13-WG-111706 11/17/2006	MWF16-14 MWF16-14-GW-051605DL 5/16/2005	MWF16-14 MWF16-14-WG-111706 11/17/2006	MWF16-15 MWF16-15-GW-051605 5/16/2005	MWF16-15 MWF16-15-WG-111706 11/17/2006	MWF16-15 MWF16-15_092226 9/22/2016	MWF16-15 MWF16-15_GW-042717 4/27/2017
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	< 1 U	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	31	12	3.5	7.1	8.1	9	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	6.4	4.3	0.74 J	0.52 J	0.94 J	2	4
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	4.2	2.4	0.56 J	0.41 J	0.70 J	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	< 5 U	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	< 1 U	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	< 1 U	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	< 1 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 2.9 U	< 2.0 U	< 2.0 U	< 2.0 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 UJ	< 1.4 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	< 1 U	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	13	17
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 10 UJ	< 14 U	< 10 UJ	< 10 U	< 10 UJ	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 14 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 5 U	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 1 U	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 U	< 14 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 10 U	< 14 U	< 10 U	< 10 U	< 10 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	< 2 U	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	< 1 U	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 UJ	< 1.4 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	< 1 U	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 UJ	< 1.4 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 0.58 J	0.46 J	< 1.0 U	< 0.54 J	< 1.0 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	2.0	6.4	1.2	< 1.0 U	< 1.0 U	5	14
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.0 U	< 1.4 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	< 5 U	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 1.0 U	< 1.4 U	< 1.0 U				

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF16-15 MWF16-15_GW-102517 10/25/2017	MWF16-15 MWF16-15_GW-090120 9/1/2020	MWF16-15 MWF16-15_GW-060721 6/7/2021	MWF16-23 MWF16-23-WG-020706 2/7/2006	MWF16-23 MWF16-23-WG-111706 11/17/2006	MWF16-23 MWF16-23_GW-102417 10/24/2017	MWF16-23 MWF16-23_GW-100118 10/1/2018
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	14	5	8	7.3	9.0	4	9
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	3	1	1	12	14	5	9
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	2.4	2.7	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 2.0 U	< 2.0 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 UJ	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	13	3	NA	NA	NA	< 3 U	4
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 10 U	< 10 UJ	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 UJ	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 UJ	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	0.23 J	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	15	1	4	16	25	5	19
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 2.0 U	< 2.0 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U	1.6	1.7	2	4
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	2	< 1 U	2	4.5	4.7	9	15
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 UJ	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	< 2.0 U	< 2.0 U	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF16-23 MWF16-23_GW-100719 10/7/2019	MWF16-23 MWF16-23_GW-090120 9/1/2020	MWF16-23 DUP-02_GW-090120 9/1/2020	MWF16-23 MWF16-23_GW-10152020 10/15/2020	MWF16-23 MWF16-23_GW-120820 12/8/2020	MWF16-23 DUP-01_GW-120820 12/8/2020	MWF16-23 MWF16-23_GW-030921 3/9/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	9	12	11	10	10	10	12
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	6	9	8	6	6	6	5
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	< 1 U	1	1	1
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	< 1 U	1	3	1	< 1 U	< 1 U	< 1 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	2	2	1	1	1	1
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	21	11	10	10	11	11	11
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	3	2	2	1	1	1	1
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	20	23	21	21	20	21	21
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF16-23 DUP-01_GW-030921 3/9/2021	MWF16-23 MWF16-23_GW-060221 6/2/2021	MWF16-23 DUP-01_GW-060221 6/2/2021	MWF16-23 MWF16-23_GW-10132021 10/13/2021	MWF7-01 MWF7-01-GW(20-30)-N 10/11/2001	MWF7-01 MWF7-01-GW 1/9/2002	MWF7-01 MWF701GW(20-30)-121603 12/16/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	11	14	14	11	10	6.3	8.2
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 0.25 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 0.30 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	6	6	6	4	6.0	7.1	9.2
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	1	< 1 U	< 1 U	< 1 U	1.2	1.1	3.7
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 0.17 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 0.62 U	< 2.0 U	< 2.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 0.22 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 0.11 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 0.21 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 0.17 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 0.15 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 0.17 U	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	< 1 U	NA	NA	2	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 0.41 U	< 10 U	< 10 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 0.46 U	< 10 U	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 0.23 U	< 10 U	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 0.51 U	< 10 U	< 10 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 0.16 U	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 0.17 U	< 1.0 U	< 1.0 R
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 0.18 U	< 1.0 U	< 1.0 R
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 1.0 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	0.47 J	< 1.0 U	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 0.12 U	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 0.14 U	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 0.26 U	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	1	1	1	< 1 U	0.29 J	< 1.0 U	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	0.28 J	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	11	11	11	3	0.23 J	0.43 J	1.6
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 0.12 U	< 1.0 U	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	< 0.13 U	< 1.0 U	< 1.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 0.26 U	< 1.0 U	< 1.0 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800														

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-01 MWF7-01-GW-050708 5/7/2008	MWF7-01 MWF7-01-GW-110408DL 11/4/2008	MWF7-01 MWF7-01-GW-121509 12/15/2009	MWF7-01 MWF7-01(110410)-GW 11/4/2010	MWF7-01 MWF7-01_100312 10/3/2012	MWF7-01 MWF7-01_20131204 12/4/2013	MWF7-01 MWF7-01-091914 9/19/2014	MWF7-01 DUP-01-09192014 9/19/2014
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	14	36	23	14	7.5	7.3	14	14
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	4.8	12	6.5	4.8	3.2	1.9	4.9 J	7.2 J
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	1.7	5.6	2.7	1.9	0.73 J	0.41 J	1.3	1.7
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.0 U	< 1.7 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 2.0 U	< 3.3 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 10 U	< 17 U	< 10 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 10 U	< 17 U	< 10 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 10 U	< 17 U	< 10 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 10 U	< 17 U	< 10 U	1.6 J	< 25 U	< 25 U	< 25 U	< 25 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.0 U	< 1.7 U	< 1.0 UJ	< 1.0 U	< 1.0 U	UJ	< 1.0 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 1.0 U	< 1.7 U	< 1.0 U	< 5.0 U	< 5.0 U	0.25 J	< 5.0 U	< 5.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.0 U	< 1.7 U	< 1.0 U	< 1.0 U	< 1.0 U	UJ	< 1.0 U	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1.0 U	0.34 J	0.27 J	0.21 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.0 U	< 1.7 U	0.70 J	< 1.0 U	< 1.0 U	< 1.0 U	U	U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	0.67 J	2.6	1.3	0.90 J	0.40 J	< 1.0 U	0.45 J	0.81 J
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	63									

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-01 MWF 7-01 (09222015) 9/22/2015	MWF7-01 MWF7-01-GW-051916 5/19/2016	MWF7-01 DUP-01-GW-051916 5/19/2016	MWF7-01 MWF7-01_092216 9/22/2016	MWF7-01 MWF7-01_GW-042117 4/21/2017	MWF7-01 MWF7-01_GW-102417 10/24/2017	MWF7-02 MWF7-02-GW(19-29)-N 10/11/2001	MWF7-02 MWF7-02-GW 1/9/2002
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE								
VOCs																		
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	< 1	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	35	NA	NA	9	8	18	10	7.4
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.25 U	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.30 U	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	12	NA	NA	2	2	3	23	11
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	3.8	NA	NA	< 1	< 1 U	1	20	9.1
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	< 5	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	< 1	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	< 1	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 1.4 U	NA	NA	< 5	< 5 U	< 5 U	< 0.17 U	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	< 1	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 1.4 U	NA	NA	< 5	< 5 U	< 5 U	< 0.62 U	< 2.0 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.22 U	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.11 U	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.21 U	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.17 U	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	< 1	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.15 U	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.17 U	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	22	29	NA	14	27	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 36 U	NA	NA	< 25	< 25 U	< 25 U	< 0.41 UJ	< 10 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 72 U	NA	NA	< 50	< 50 U	< 50 U	< 0.46 UJ	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	< 5	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	< 1	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 72 U	NA	NA	< 50	< 50 U	< 50 U	< 0.23 UJ	< 10 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 36 U	NA	NA	< 50	< 50 U	< 50 U	< 0.51 UJ	< 10 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	< 2	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.16 U	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	< 1	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	2.0	2.2
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.18 U	< 1.0 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 1.4 U	NA	NA	< 5	< 5 U	< 5 U	< 0.20 U	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 7.2 U	NA	NA	< 5	< 5 U	< 5 U	< 0.20 UJ	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.12 U	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.14 U	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	< 1	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 1.4 U	NA	NA	< 5	< 5 U	< 5 U	4.7 J	3.3
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	0.68 J	NA	NA	< 1	< 1 U	< 1 U	9.5	8.5
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 1.4 U	NA	NA	< 5	< 5 U	< 5 U	< 0.13 U	< 1.0 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	1.9	NA	NA	< 1	< 1 U	< 1 U	0.56	0.33 J
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1.4 U	NA	NA	< 1	< 1 U	< 1 U	< 0.12 U	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1.4 U	NA	NA	NA	< 1 U	< 1 U	< 0.13 U	< 1.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	< 5	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--											

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-02 MWF702GW(18-28) 8/11/2003	MWF7-02 MWF702GW(18-28)-121603 12/16/2003	MWF7-02 MWF7-02_092226 9/22/2016	MWF7-02 MWF7-02_GW-042117 4/21/2017	MWF7-02 MWF7-02_GW-102417 10/24/2017	MWF7-02 DUP-01_GW-102417 10/24/2017	MWF7-02 MWF7-02_GW-100418 10/4/2018
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	< 1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	NA	1.2	106	52	76	78	73
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	NA	9.5	50	34	51	52	48
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	13	3.0	20	9	14	14	11
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	< 5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	< 1 U	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	< 1 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	70	2200	7700	3300	NA	< 1.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	< 1 U	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	NA	< 2.0 UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	NA	< 1.0 U	1	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	< 1 U	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	540 Y	188	470 Y	480 Y	500 Y
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	NA	< 10 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	NA	< 10 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	< 5 U	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	NA	< 10 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	NA	< 10 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	< 2 U	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	< 1 U	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	NA	< 1.0 R	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	NA	< 1.0 R	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	NA	< 1.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	NA	< 1.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	< 1 U	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	NA	0.43 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	NA	0.27 J	2	< 1 U	1	1	1
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	NA	< 1.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	NA	1.7	5	2	3	3	3
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	NA	< 1.0 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 5 U	NA	NA	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	NA	< 1.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	< 5 U	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	NA	< 2.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	< 10 U	NA	NA	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	< 5 U	NA	NA	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	NA	< 1.0 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	NA	< 10 U	NA	< 10 U	< 10 U	< 10 U	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	NA	< 1.0 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	NA	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	NA	< 1.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	< 5 U	NA	NA	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	< 1 U	NA	NA	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	< 1 U	NA	NA	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	< 1 U	NA	NA	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	6.2	1.8	34 J	27	26	26	34
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	< 90 U	NA	NA	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	NA	0.25 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	NA	< 1.0 R	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	< 1 U	NA	NA	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	NA	< 1.0 U	4	3	4	4	3
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	NA	< 1.0 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	NA	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	< 1.0 U	NA	NA	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-02 DUP-04 (10-04-2018) 10/4/2018	MWF7-02 MWF7-02_GW-100719 10/7/2019	MWF7-02 MWF7-02_GW-10132020 10/13/2020	MWF7-02 MWF7-02_GW-060821 6/8/2021	MWF7-02 MWF7-02_GW-10182021 10/18/2021	MWF7-03 MWF703GW(22-32) 8/11/2003	MWF7-03 MWF703GW(22-32)-121603 12/16/2003
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	< 1 U	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	73	60	77	96	95	NA	< 1.0 U
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	1	1	1	NA	< 1.0 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	48	38	24	15	29	NA	< 1.0 U
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	11	10	15	20	11	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	< 5 U	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	< 1 U	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	< 1 U	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	< 1 U	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 2.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1.0 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	2	< 1 U	NA	< 1.0 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	< 1 U	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	500 Y	300 Y	530 Y	NA	141	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	NA	< 10 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	NA	< 10 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	< 5 U	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	< 1 U	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	NA	< 10 U
Acetone	ug/L	730	2100	1700	3200000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	NA	< 10 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	< 2 U	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	< 1 U	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 R
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 R
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	< 1 U	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	1	2	< 1 U	NA	< 1.0 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	3	3	3	3	3	NA	< 0.50 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1.0 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 5 U	NA	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 2.0 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	NA	NA	NA	NA	< 10 U	NA	NA
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	NA	NA	NA	NA	< 5 U	NA	NA
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 1 U	NA	NA
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	NA	< 1.0 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	NA	NA
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	< 10 U
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1.0 U
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5.0 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 1.0 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	NA	NA	NA	NA	< 5 U	NA	NA
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	NA	NA	NA	NA	< 1 U	NA	NA
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	NA	NA	NA	NA	< 1 U	NA	NA
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	NA	NA	NA	NA	< 1 U	NA	NA
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	33	54	70	82	84	< 1.0 U	< 1.0 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	NA	NA	NA	NA	< 90 U	NA	NA
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 0.50 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 R
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA	< 1 U	NA	NA
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	3	3	3	4	4	NA	< 1.0 U
Trichlorofluoromethane (CFC-11)	ug/L	26000	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Trifluorotrichloroethane (Freon 113)	ug/L	1700000	170000	32	7100	3600	140000	58000	170000	88000	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	< 1.0 U
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1.0 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA	NA	NA	NA	< 1.0 U

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											MWF7-03 MWF7-03_092226 9/22/2016	MWF7-03 MWF7-03_GW-042717 4/27/2017	MWF7-03 MWF7-03_GW-102517 10/25/2017	MWF7-03 MWF7-03_GW-060721 6/7/2021	Unknown-1 UNKNOWN-1_GW-042817 4/28/2017	VAP-01-21 VAP-01-21_33-37_101221 10/12/2021	VAP-02-16 DUP-02-12-19-16 12/20/2016
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE							
VOCs																	
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	< 1 U	NA	NA	NA	NA	< 1 U	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	< 1 U	< 1 U	< 1 U	< 1 U	56	4	1
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	< 1 U	< 1 U	< 1 U	< 1 U	6	2	< 1 U
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U	< 1 U	1	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	< 5 U	NA	NA	NA	NA	< 5 U	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	< 1 U	NA	NA	NA	NA	< 1 U	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	< 1 U	NA	NA	NA	NA	< 1 U	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	< 1 U	NA	NA	NA	NA	< 1 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	< 1 U	NA	NA	NA	NA	< 1 U	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	< 3 U	< 3 U	< 3 U	NA	< 3 U	NA	< 3 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	< 5 U	NA	NA	NA	NA	< 5 U	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	< 1 U	NA	NA	NA	NA	< 1 U	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	< 2 U	NA	NA	NA	NA	< 2 U	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	< 1 U	NA	NA	NA	NA	< 1 U	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	< 1 U	NA	NA	NA	NA	< 1 U	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	4	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	9	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	NA	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	< 5 U	NA	NA	NA	NA	< 5 U	NA
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	< 5 U	NA	NA	NA	NA	< 5 U	NA
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800														

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											VAP-02-16 VAP-02-16 26-29 12/19/2016	VAP-02-16 VAP-02-16 31-34 12/19/2016	VAP-02-16 VAP-02-16 35-38 12/19/2016	VAP-02-16 VAP-02-16 39-42 12/19/2016	VAP-03-16 DUP-01-12-19-16 12/19/2016	VAP-03-16 VAP-03-16 31-34 12/19/2016	VAP-03-16 VAP-03-16 35-38 12/19/2016	VAP-03-16 VAP-03-16 44-47 12/19/2016	VAP-04-16 VAP-04-16 30-33 12/14/2016
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE									
VOCs																			
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	6	30	< 1 U	< 1 U	9	12	13	< 1 U	2
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	2	7	< 1 U	< 1 U	4	5	11	< 1 U	2
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	2	< 1 U	< 1 U	< 1 U	< 1 U	2	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	UJ	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	4	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	630										

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



											Location ID Sample ID Date Collected	VAP-04-16 VAP-04-16 35-38 12/14/2016	VAP-05-16 VAP-05-16 17-20 12/20/2016	VAP-05-16 VAP-05-16 22-25 12/20/2016	VAP-05-16 VAP-05-16 27-30 12/20/2016	VAP-06-16 VAP-06-16 19-22 12/13/2016	VAP-06-16 VAP-06-16 24-27 12/13/2016	VAP-06-16 VAP-06-16 29-32 12/13/2016	VAP-07-16 VAP-07-16 18-21 12/13/2016	VAP-07-16 VAP-07-16 22-25 12/13/2016
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE										
VOCs																				
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	< 1 U	62	89	10	11	< 1 U	< 1 U	< 1 U	< 1 U	
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	2	8	13	3	4	3	< 1 U	10	4	
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	2	3	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	< 3 U	11	5	7	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
cis-1,3-Dichloropropene	ug/L																			

Table 2
Groundwater Sample Analytical Summary-VOCs
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Location ID Sample ID Date Collected											VAP-22-21 VAP-22_15-19_102721 10/27/2021	VAP-22-21 VAP-22_21-25_102721 10/27/2021	VAP-22-21 VAP-22_27-31_102721 10/27/2021
Chemical Name	Units	Residential Drinking Water	Nonresidential Drinking Water	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE	NR Fiero SSVIAC >50k SOG	NR Fiero SSVIAC >50k BASE			
VOCs													
1,1,1,2-Tetrachloroethane	ug/L	77	320	--	180	93	5700	2400	8500	3700	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	ug/L	200	200	89	22000	11000	210000	92000	310000	140000	3	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	8.5	35	78	130	66	4100	1800	6200	2600	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	ug/L	5	5	330	21	11	410	180	620	280	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	ug/L	880	2500	740	160	88	5300	2400	8000	3600	2	6	3
1,1-Dichloroethene	ug/L	7	7	130	410	220	8300	3800	13000	5700	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	--	--	--	4100	2100	18000	18000	18000	18000	< 5 U	< 5 U	< 5 U
1,2,3-Trichloropropane	ug/L	42	120	--	91	47	1800	790	2700	1200	< 1 U	< 1 U	< 1 U
1,2,3-Trimethylbenzene	ug/L	--	--	--	2000	1100	41000	18000	61000	27000	< 1 U	< 1 U	< 1 U
1,2,4-Trichlorobenzene	ug/L	70	70	99	270	130	5100	2200	7700	3300	< 5 U	< 5 U	< 5 U
1,2,4-Trimethylbenzene	ug/L	63	63	17	1100	590	22000	9900	34000	15000	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.2	0.2	--	0.00045	0.00045	0.042	0.029	0.061	0.042	< 5 U	< 5 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05	0.05	5.7	8	4	250	110	370	160	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	ug/L	600	600	13	19000	9900	160000	160000	160000	160000	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	ug/L	5	5	360	50	27	1600	750	2500	1100	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	ug/L	5	5	230	100	56	2100	950	3200	1400	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	72	72	45	800	420	16000	7000	24000	10000	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	ug/L	6.6	19	28	130	70	2700	1200	4000	1700	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	ug/L	75	75	17	310	160	9800	4300	15000	6400	< 1 U	< 1 U	< 1 U
1,4-Dioxane	ug/L	7.2	350	280	43000	22000	1500000	670000	2300000	1000000	NA	NA	NA
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	13000	38000	2200	4000000	2200000	59000000	27000000	88000000	40000000	< 25 U	< 25 U	< 25 U
2-Hexanone	ug/L	1000	2900	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	ug/L	260	750	19	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	80	230	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	1800	5200	--	1600000	810000	19000000	9500000	19000000	14000000	< 50 U	< 50 U	< 50 U
Acetone	ug/L	730	2100	1700	32000000	18000000	240000000	110000000	360000000	160000000	< 50 U	< 50 U	< 50 U
Acrylonitrile	ug/L	2.6	11	2	120	67	4100	1900	6200	2900	< 2 U	< 2 U	< 2 U
Benzene	ug/L	5	5	200	34	18	1100	510	1700	760	< 1 U	< 1 U	< 1 U
Bromobenzene	ug/L	18	50	--	3300	1700	66000	29000	99000	43000	< 1 U	< 1 U	< 1 U
Bromodichloromethane	ug/L	80	80	--	60	31	1700	760	2600	1100	< 1 U	< 1 U	< 1 U
Bromoform	ug/L	80	80	--	6400	3200	200000	83000	300000	120000	< 1 U	< 1 U	< 1 U
Bromomethane (Methyl bromide)	ug/L	10	29	5	59	33	1200	580	1900	860	< 5 U	< 5 U	< 5 U
Carbon disulfide	ug/L	800	2300	--	2200	1200	46000	22000	70000	33000	< 5 U	< 5 U	< 5 U
Carbon tetrachloride	ug/L	5	5	38	14	7.2	440	190	650	290	< 1 U	< 1 U	< 1 U
Chlorobenzene	ug/L	100	100	25	1300	720	27000	12000	41000	18000	< 1 U	< 1 U	< 1 U
Chlorobromomethane	ug/L	--	--	--	58	29	4400	1800	6600	2800	< 1 U	< 1 U	< 1 U
Chloroethane	ug/L	430	1700	1100	15000	8600	320000	150000	490000	230000	< 5 U	< 5 U	< 5 U
Chloroform (Trichloromethane)	ug/L	80	80	350	19	10	610	270	910	410	< 1 U	< 1 U	< 1 U
Chloromethane (Methyl chloride)	ug/L	260	1100	--	340	200	7400	3500	11000	5300	< 5 U	< 5 U	< 5 U
cis-1,2-Dichloroethene	ug/L	70	70	620	110	62	2300	1100	3500	1600	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U
Cyclohexane	ug/L	--	--	--	2600	1400	53000	24000	55000	36000	NA	NA	NA
Cymene (p-Isopropyltoluene)	ug/L	--	--	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U
Dibromochloromethane	ug/L	80	80	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U
Dibromomethane	ug/L	80	230	--	450	230	9000	3900	13000	5900	< 5 U	< 5 U	< 5 U
Dichlorodifluoromethane (CFC-12)	ug/L	1700	4800	--	71	38	1400	640	2100	960	< 5 U	< 5 U	< 5 U
Ethyl ether	ug/L	10	10	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U
Ethylbenzene	ug/L	74 (E)	74 (E)	18	110	60	3600	1600	5400	2400	< 1 U	< 1 U	< 1 U
Hexachloroethane	ug/L	7.3	21	6.7	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U
Iodomethane	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U
Isopropyl benzene	ug/L	800	2300	28	26	13	810	360	1200	540	< 5 U	< 5 U	< 5 U
m&p-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U
Methyl acetate	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA
Methyl cyclohexane	ug/L	--	--	--	--	--	--	--	--	--	NA	NA	NA
Methyl tert butyl ether (MTBE)	ug/L	40 (E)	40 (E)	7100	10000	5300	320000	150000	490000	220000	< 5 U	< 5 U	< 5 U
Methylene chloride	ug/L	5	5	1500	9100	5000	190000	88000	280000	130000	< 5 U	< 5 U	< 5 U
Naphthalene	ug/L	520	1500	11	190	100	6200	2700	9300	4100	< 5 U	< 5 U	< 5 U
N-Butylbenzene	ug/L	80	230	--	2000	1100	12000	12000	12000	12000	< 1 U	< 1 U	< 1 U
N-Propylbenzene	ug/L	80	230	--	10000	5400	52000	31000	52000	46000	< 1 U	< 1 U	< 1 U
o-Xylene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U
Styrene	ug/L	100	100	80	1400	740	45000	20000	67000	30000	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	ug/L	80	230	--	3.4	1.8	67	29	100	44	< 1 U	< 1 U	< 1 U
Tetrachloroethene	ug/L	5	5	60	250	130	3400	1500	5000	2200	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	ug/L	95	270	11000	1300000	690000	27000000	12000000	41000000	19000000	< 90 U	< 90 U	< 90 U
Toluene	ug/L	790 (E)	790 (E)	270	56000	30000	530000	250000	530000	380000	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	ug/L	100	100	1500	480	260	9800	4500	15000	6700	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	ug/L	--	--	--	130	69	4200	1900	6300	2800	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U
Trichloroethene	ug/L	5	5	200	15	8.1	210	93	310	140	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	ug/L	2600	7300	--	300	160	6000	2700	9000	4000	< 1 U	< 1 U	< 1 U
Trifluorotrichloroethane (Freon 113)	ug/L	170000	170000	32	7100	3600	140000	58000	170000	88000	NA	NA	NA
Vinyl chloride	ug/L	2	2	13	2.2	1.2	260	120	390	180	< 1 U	< 1 U	< 1 U
Xylene (total)	ug/L	280 (E)	280 (E)	49	3000	1600	60000	27000	91000	41000	NA	NA	NA

Table 2
Groundwater Sample Analytical Summary-Notes
RACER Trust Pontiac North Campus
Former Fiero Powerhouse



Notes:

- 1) Criteria listed are from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Clean Up Criteria Requirements Table 1: Groundwater: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, December 21, 2020.
- 2) Department of Environment, Great Lakes and Energy (EGLE) developed Site-Specific Volatilization to Indoor Air Criteria for the Former Fiero Assembly, April 21, 2020
- 3) Groundwater Surface Water Interface Criteria listed for barium, beryllium, cadmium, chromium, copper, lead, manganese, nickel and zinc are calculated based on a hardness of 150 mg/L-CaCO₃ for southern Lower Peninsula protected as a drinking water source.
- 4) Yellow highlighted values denotes exceedance and/or equal to Michigan Residential Drinking Water.
- 5) Orange highlighted values denotes exceedance and/or equal to Non-Residential Drinking Water.
- 6) Grey shaded values denotes exceedance and/or equal to Michigan Groundwater Surface Water Interface.
- 7) Values in bold denotes exceedance and/or equal to Residential Site-Specific Volatilization to Indoor Air criteria for basement and/or slab-on-grade.
- 8) Underlined values denotes exceedance and/or equal to Nonresidential Site-Specific Volatilization to Indoor Air criteria for basement and/or slab-on-grade.

Abbreviations:

<	Not detected above the laboratory reporting limit
>/<50k	Greater than 50,000 or less than 50,000
ug/L	Micrograms per liter
umhos/cm	Micromhos per centimeter
BASE	Basement
Deg C	Degrees Celcius
Deg F	Degrees Farenheit
E	Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
J	Estimated value less than reporting limit, but greater than MDL
mg/L	Miligrams per liter
mS/cm	Millisiemens per centimeter
NA	Not analyzed
NTU	Nephelometric Turbidity Unit
R	Preliminary Result
Res	Residential
SIM	Selected ion monitoring
SOG	Slab on Grade
SSVIAC	Site-Specific Volatilization to Indoor Air Criteria
s.u.	Standard Unit
U	Compound was analyzed for but not detected. The associated value is the compound quantitation limit.
Y	Elevated Reporting Limit due to high target concentration

Attachment 1

Powerhouse Historical Aerial Photographs

RACER Pontiac North Campus

Owens St/Portland St

Pontiac, MI 48340

Inquiry Number: 6103510.1

June 25, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/25/20

Site Name:

RACER Pontiac North Campus
Owens St/Portland St
Pontiac, MI 48340
EDR Inquiry # 6103510.1

Client Name:

ARCADIS U.S., Inc.
10559 Citation Drive
Brighton, MI 48116
Contact: Brad Saunders



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: March 28, 1999	USGS/DOQQ
1997	1"=500'	Flight Date: May 04, 1997	DTE
1987	1"=500'	Flight Date: June 14, 1987	USDA
1983	1"=500'	Flight Date: May 05, 1983	USDA
1976	1"=500'	Flight Date: March 25, 1976	USDA
1972	1"=500'	Flight Date: July 01, 1972	USDA
1967	1"=500'	Flight Date: May 12, 1967	DTE
1956	1"=500'	Flight Date: May 07, 1956	DTE
1952	1"=500'	Flight Date: April 25, 1952	DTE
1949	1"=500'	Flight Date: May 03, 1949	DTE
1940	1"=500'	Flight Date: August 01, 1940	USDA
1937	1"=500'	Flight Date: September 20, 1937	USDA

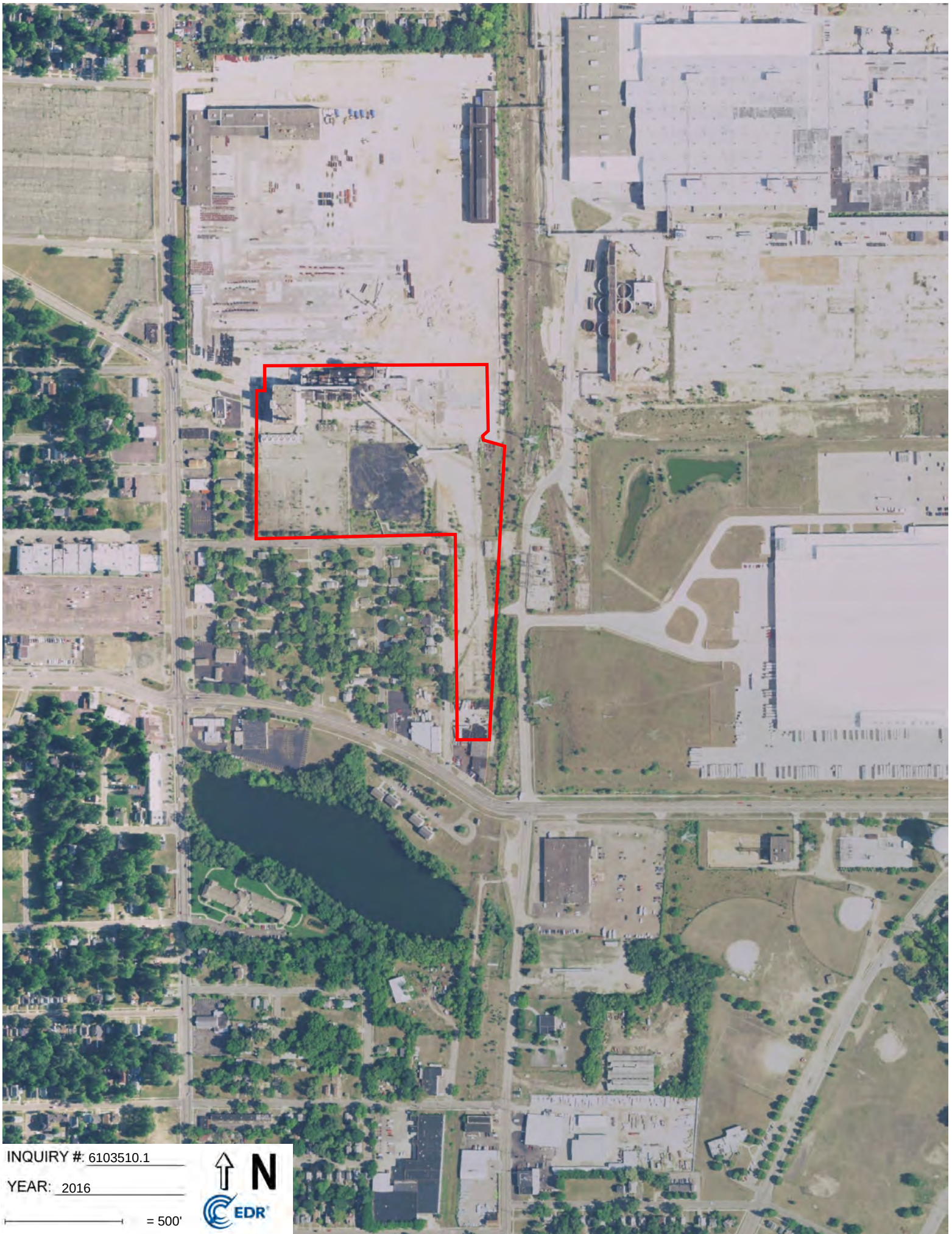
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INQUIRY #: 6103510.1

YEAR: 2016

— = 500'



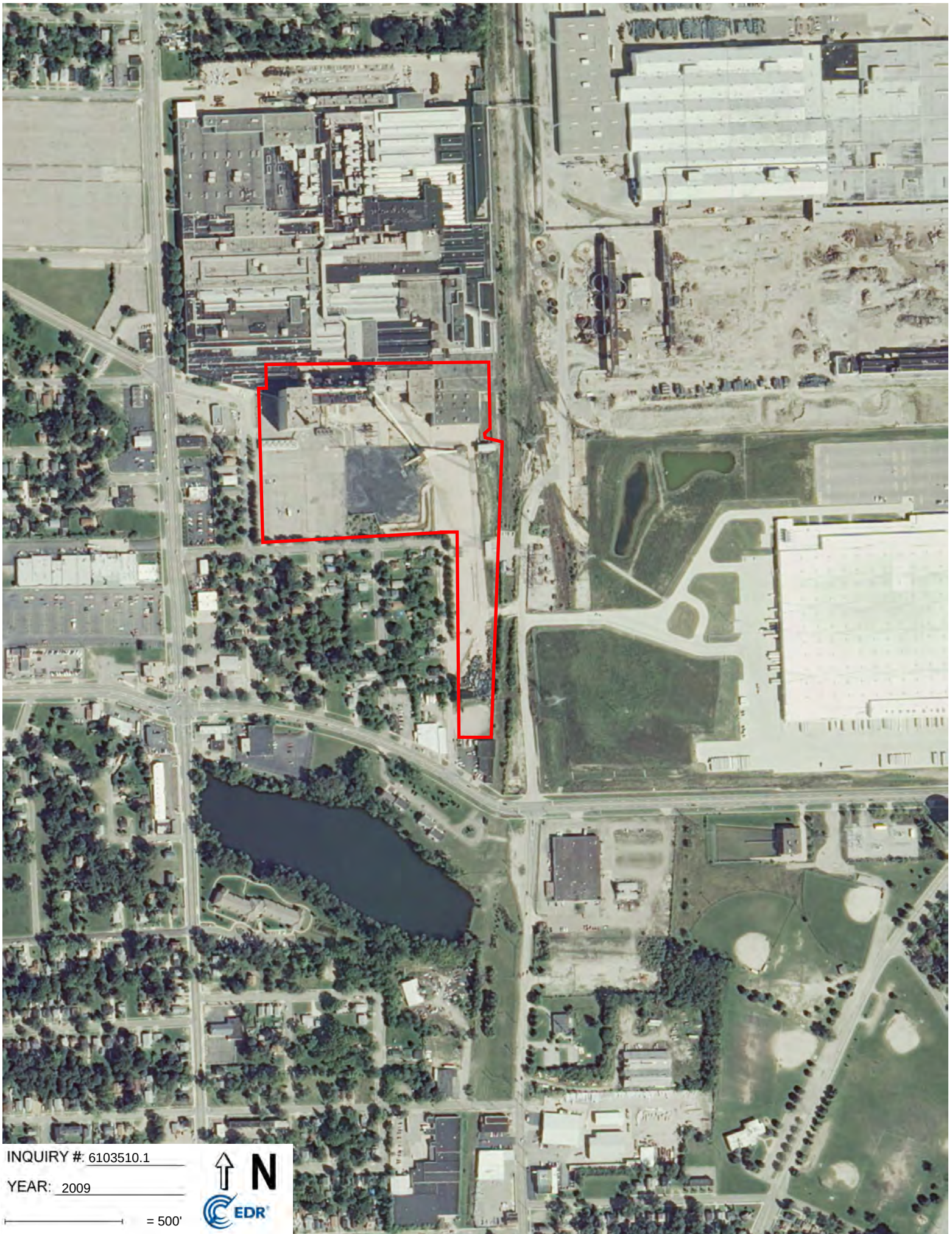


INQUIRY #: 6103510.1

YEAR: 2012

— = 500'



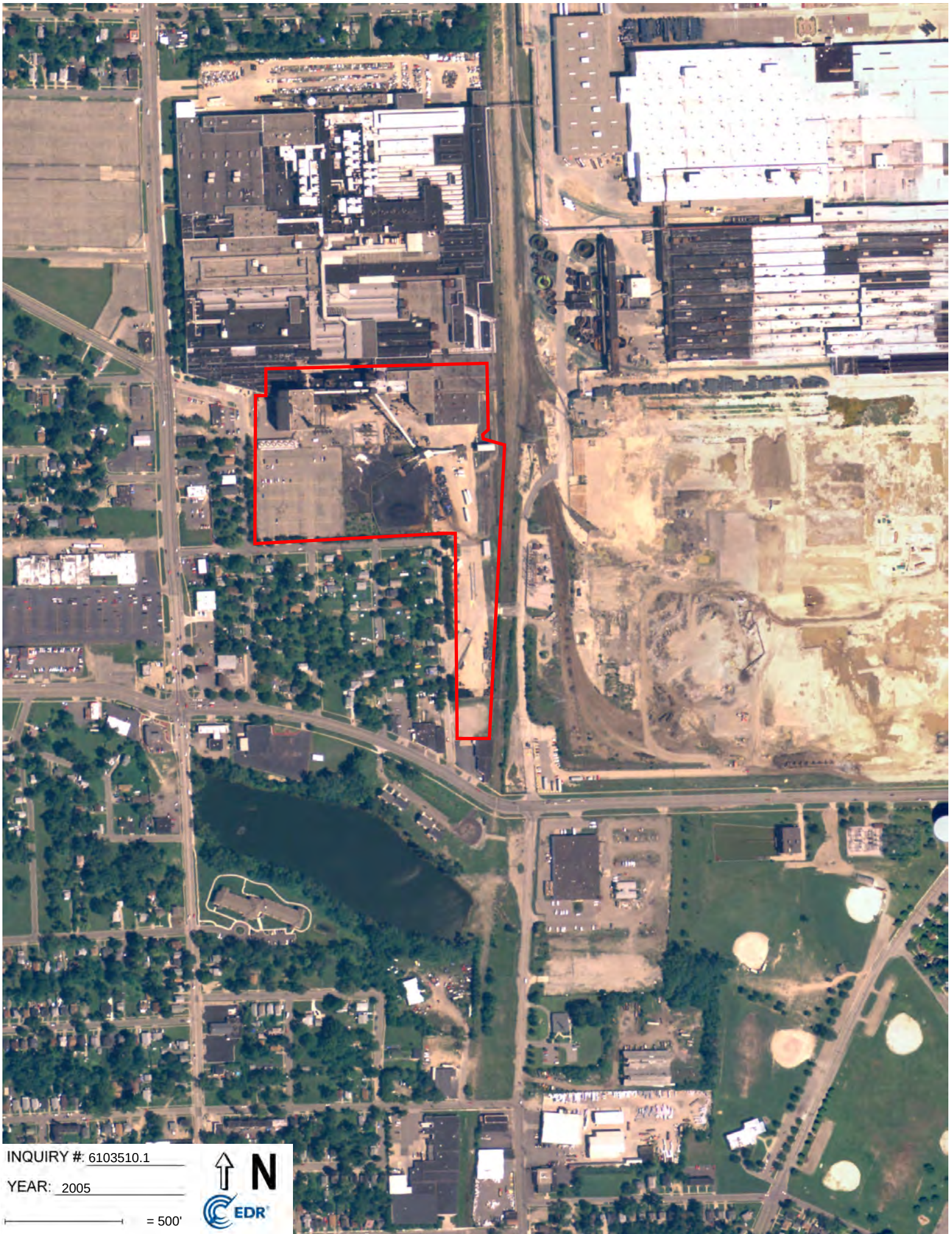


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YEAR: 2009

— = 500'





INQUIRY #: 6103510.1

YEAR: 2005

— = 500'



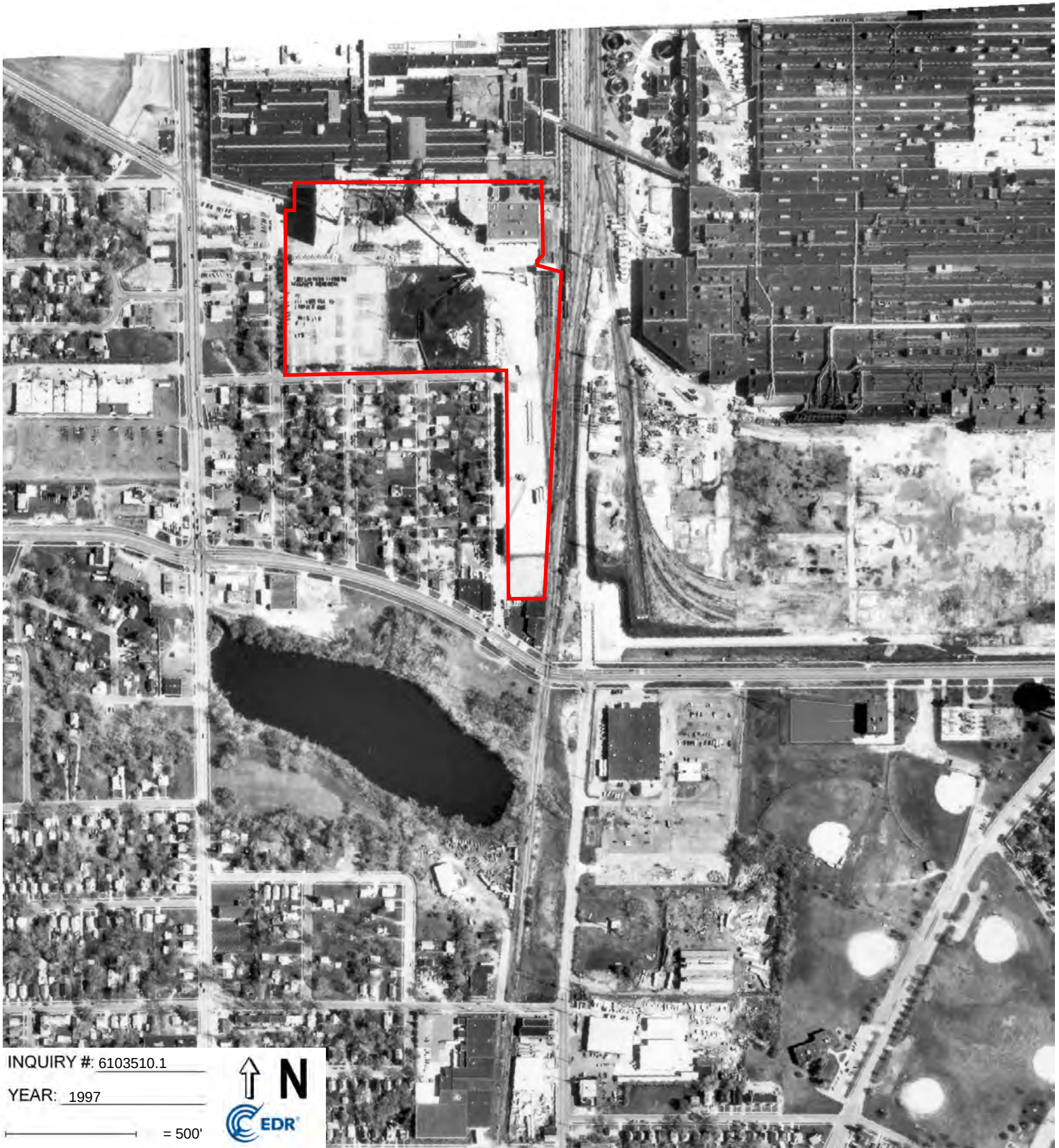


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YEAR: 1999

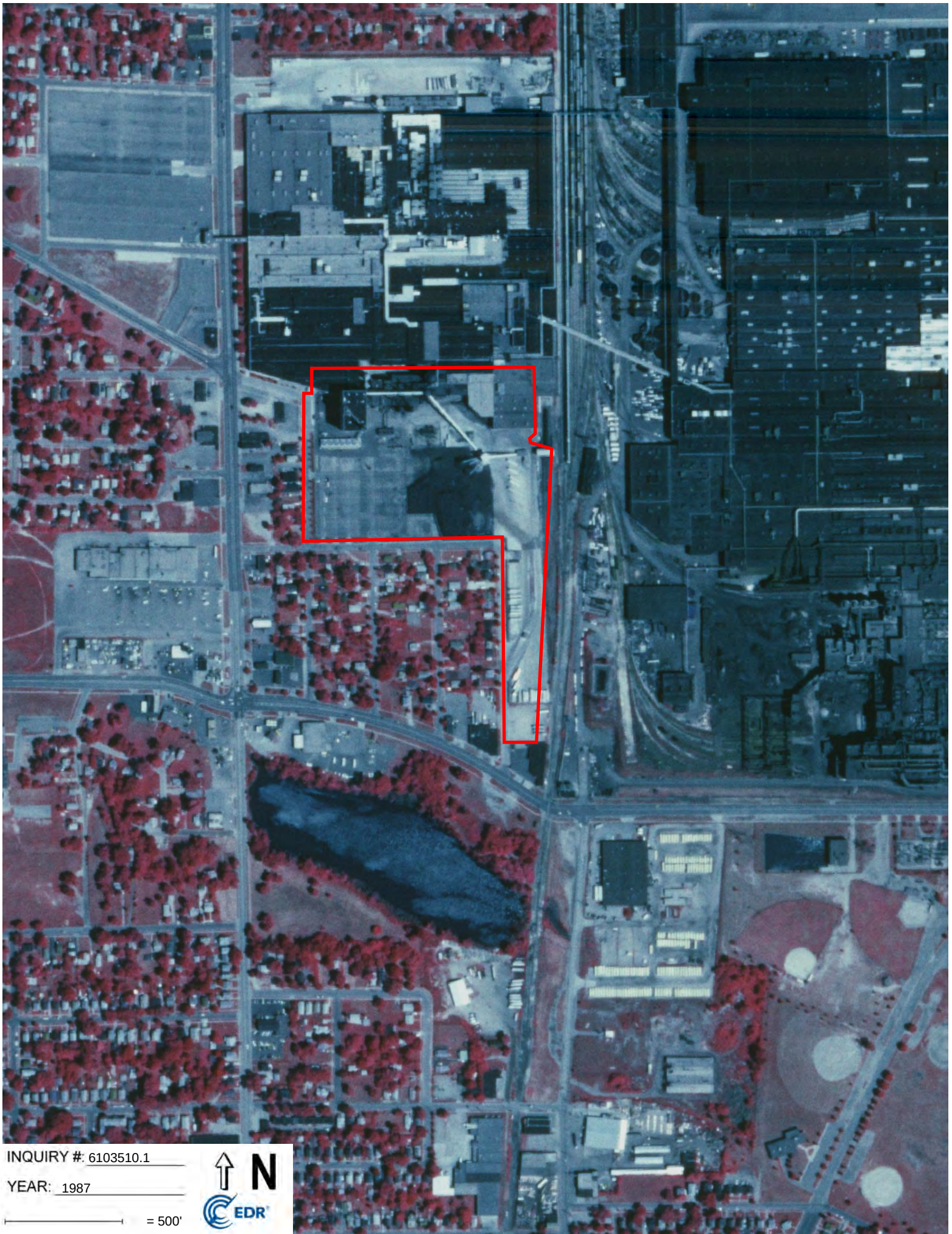
1" = 500'





INQUIRY #: 6103510.1
YEAR: 1997
= 500'





INQUIRY #: 6103510.1

YEAR: 1987

— = 500'



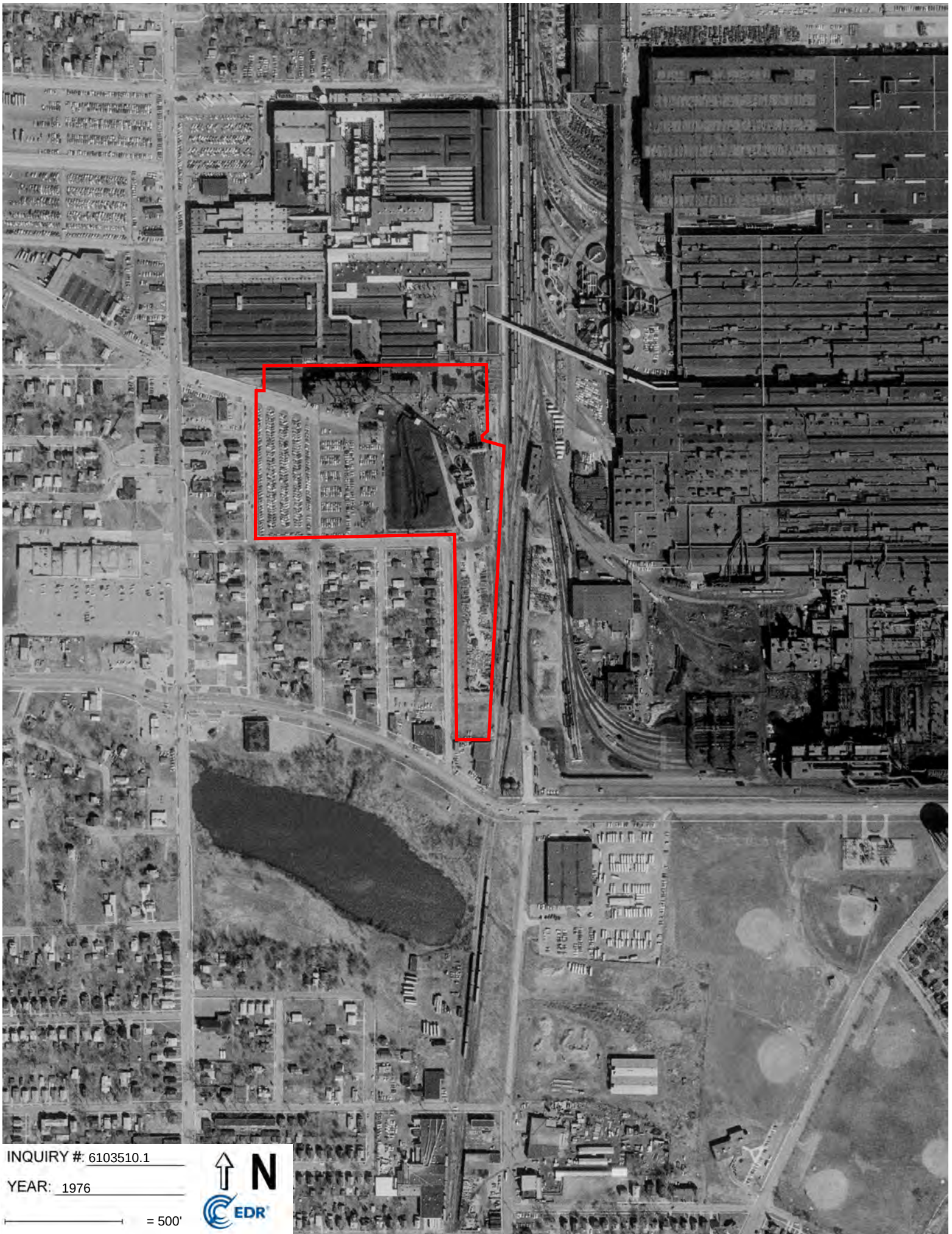


INQUIRY #: 6103510.1

YEAR: 1983

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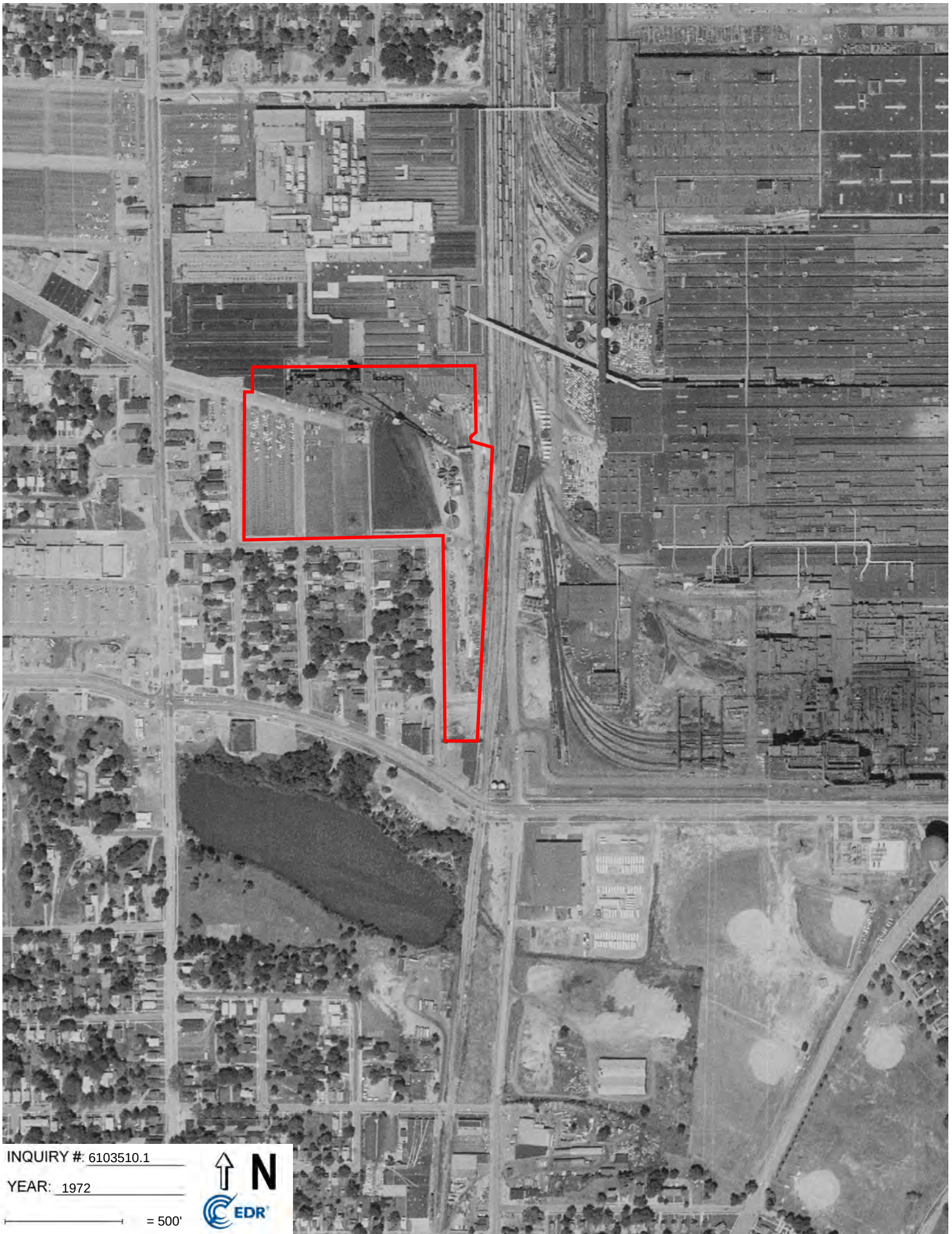


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YEAR: 1976

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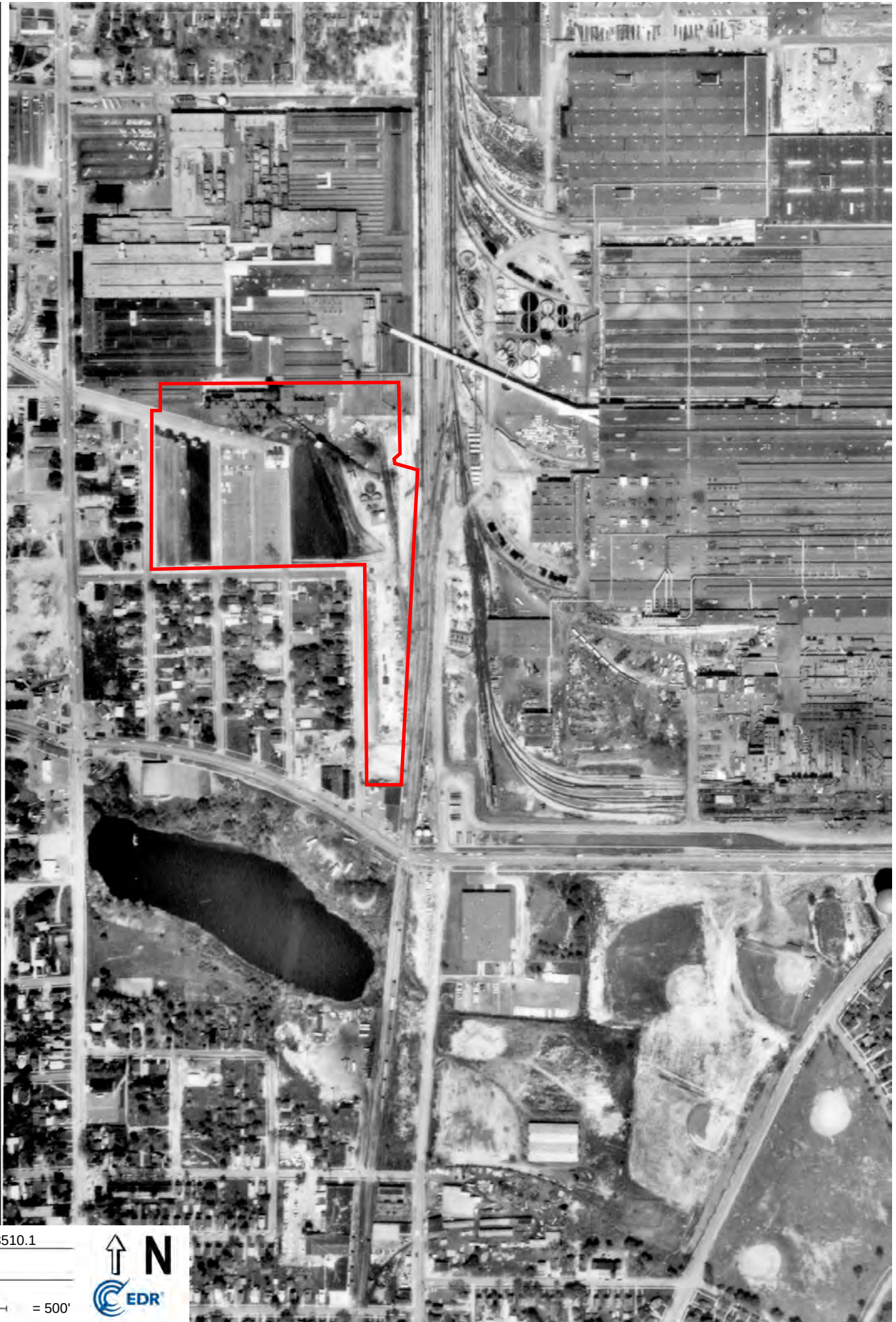
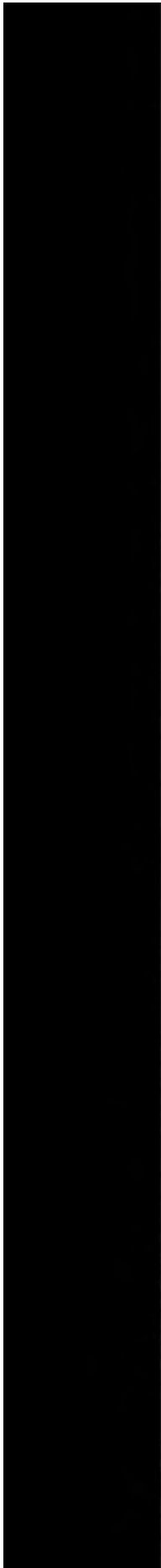


INQUIRY #: 6103510.1

YEAR: 1972

— = 500'





INQUIRY #: 6103510.1

YEAR: 1967

— = 500'



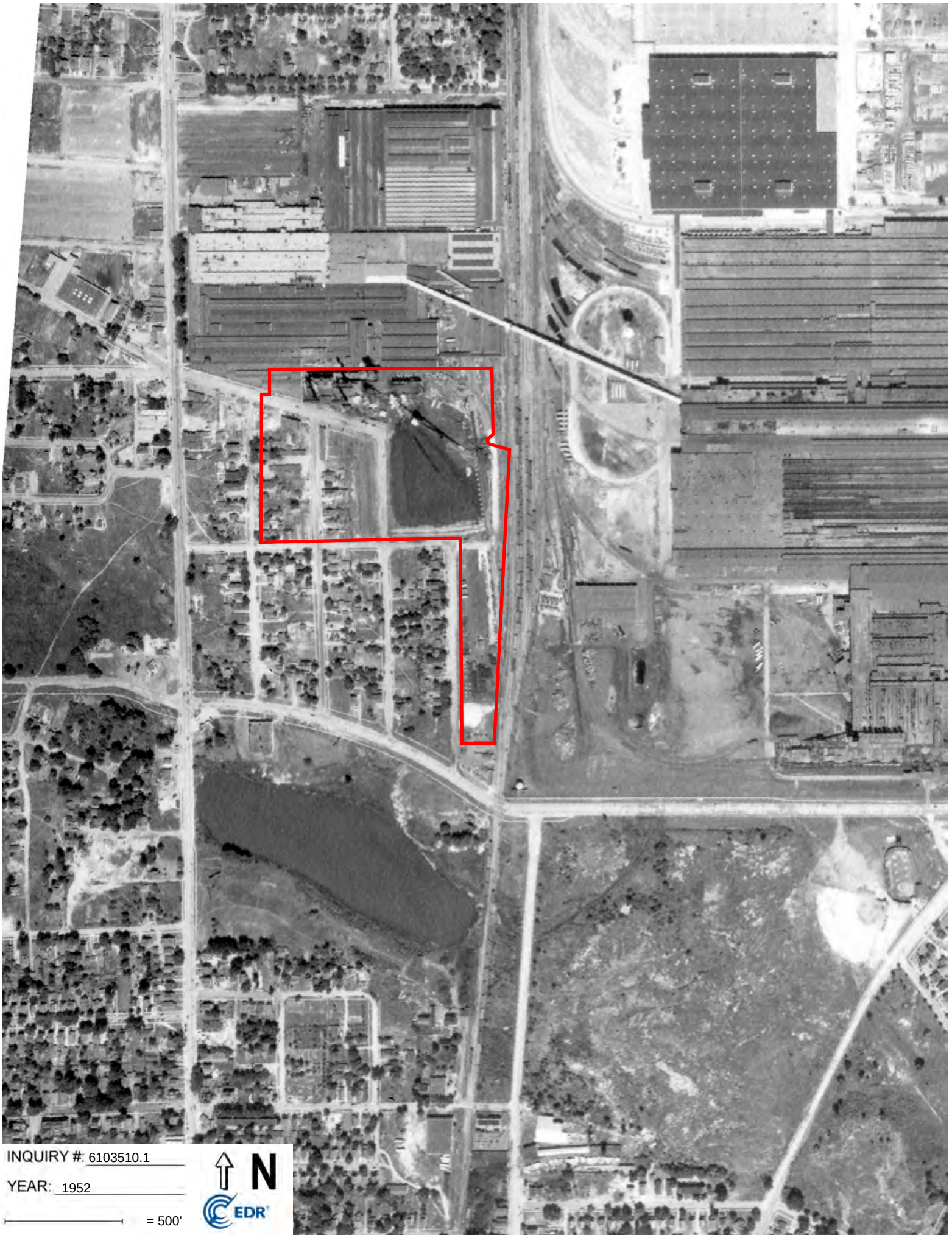


INQUIRY #: 6103510.1

YEAR: 1956

— = 500'



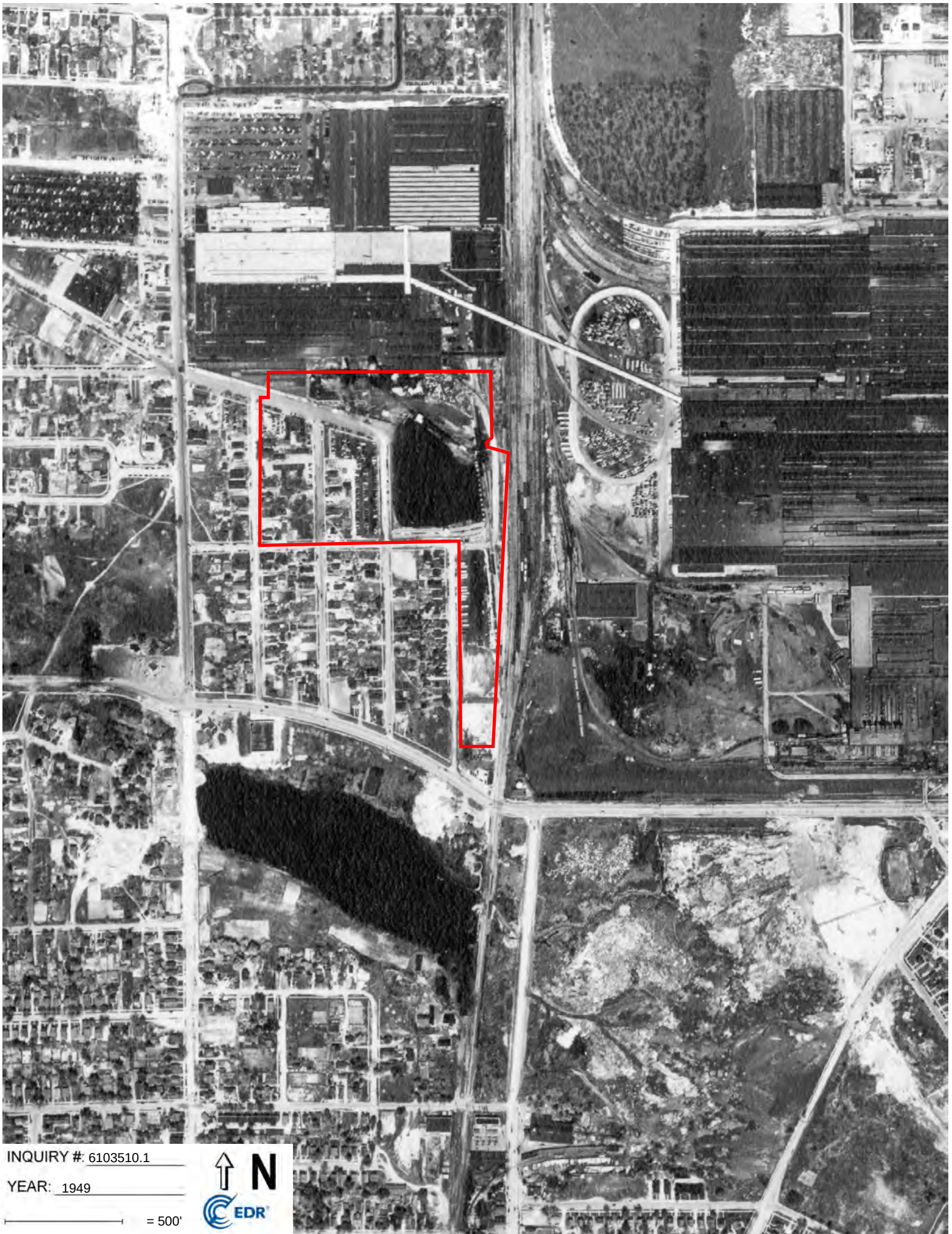


INQUIRY #: 6103510.1

YEAR: 1952

— = 500'





INQUIRY #: 6103510.1

YEAR: 1949

— = 500'





INQUIRY #: 6103510.1

YEAR: 1940

— = 500'





INQUIRY #: 6103510.1

YEAR: 1937

— = 500'



Attachment 2

SWMU 4 Clean Closure Certification Letter

NATURAL RESOURCES COMMISSION

THOMAS J. ANDERSON
MARLENE J. FLUHARTY
KERRY KAMMER
O. STEWART MYERS
DAVID D. OLSON
RAYMOND POUPORE



JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

STEVENS T. MASON BUILDING
BOX 30028
LANSING, MI 48909

GORDON E. GUYER, Director

February 3, 1988

Mr. Gerald A. Moore, Superintendent
Plant Engineering
GM C-P-C Fiero Assembly
One Pontiac Plaza
Pontiac, Michigan 48053

Dear Mr. Moore:

SUBJECT: GM C-P-C Fiero Assembly
MID 005 356 910
Closure Plan Approval/Closure Certification

Michigan Department of Natural Resources (MDNR) has reviewed the closure plan and closure certification most recently submitted on November 17, 1987 and has found them to be acceptable.

As a result, MDNR is approving the closure plan and closure certification and releasing GM C-P-C Fiero Assembly from the financial assurance requirements for closure under 40 CFR 265.143(h) for the container storage area that was closed. However, the closure cost estimate must be revised and financial assurance provided for the container storage area now being used.

Approval of closure of a Resource Conservation and Recovery Act (RCRA) interim status unit does not release the facility from its responsibilities under the Hazardous and Solid Waste Amendment of 1984 (HSWA). Closure does not terminate interim status and, therefore, the company may be responsible for corrective action if U.S. EPA or MDNR determines that a release of hazardous waste or hazardous waste constituents is taking or has taken place from a solid waste management unit as defined under HSWA.

Mr. Gerald A. Moore

- 2 -

February 3, 1988

The closure of this storage pad was unique in that most of the closure was carried out before a plan was submitted to MDNR. This is not an acceptable practice. In the future, GM C-P-C Fiero must submit any construction or closure plans related to the hazardous waste storage area for MDNR approval before construction may begin.

If you have any questions, please contact Mr. Stephen Blayer at 517-373-7739 or me.

Sincerely,



Alan J. Howard, Chief
Waste Management Division
517-373-9523

cc: Mr. Rich Traub, U.S. EPA - Region V
Ms. Marilyn Sabadaszka, U.S. EPA - Region V
Mr. Ken Burda, WMD/C&E File
Ms. Becky Kocsis, WMD
Ms. Lynne King, WMD, Detroit
Mr. Stephen Blayer, WMD