Memo

SUBJECT
RACER Pontiac North Campus
Former Fiero Parking Lot Historical Summary Memorandum and Request for Determination for Property Not Being Regulated Under RCRA, including Corrective Action, and Not Being Covered Under Administrative Order on Consent
RCRA-05-2011-00019

TO
Jennifer Stanhope - USEPA

DATE
Draft Submittal - July 16, 2024
Re-Draft Submittal – April 4, 2025
Final Submittal – January 2, 2026

OUR REF
RACER Trust Pontiac North Campus

DEPARTMENT
Resilience Environment

PROJECT NUMBER
30267726

COPIES TO
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Introduction

The following memorandum provides a summary of historical information for the Former Fiero Parking Lot property owned by RACER Trust which is located west of the RACER Trust Former Fiero Assembly property along Baldwin Avenue in Pontiac, Michigan (Property) (**Figure 1**). The Property is comprised of two parcels: Parcel # 14-17-384-003 (approximate 9.5-acre northern parcel) and Parcel # 14-20-130-018 (approximate 3.3-acre southern parcel) (**Figure 2**). The purpose of this memorandum is to request that the United States Environmental Protection Agency (USEPA) provide a determination that the Property is not subject to regulation under the Resource Conservation and Recovery Act (RCRA), including the RCRA Hazardous Waste Cleanup Program, which was formerly called Corrective Action, (i.e., the Property is not part of the RCRA USEPA ID No. MID 005356910 Facility) and is not subject to Administrative Order on Consent (AOC) RCRA-05-2011-0019, executed by USEPA on September 29, 2011. RACER Trust proposes to complete Environmental Action at this Property under USEPA oversight in accordance with the terms of the Environmental Response Trust Consent Decree and Settlement Agreement entered by the U.S. Bankruptcy Court for the Southern District of New York on March 29, 2011, in the case of *In re Motors Liquidation Company, etc., et al*., Debtors, Case No. 09-50026 (REG), among the Debtors, the United States of America, certain states including the State of Michigan, the Saint Regis Mohawk Tribe and EPLET, LLC, (not individually but solely in its representative capacity as Administrative Trustee of the Trust), and specifically for RACER Trust to prepare a Declaration of Restrictive Covenant (DRC) to address potential risks to public health, if any, at the Property and submit to USEPA for review and approval. After USEPA approval RACER Trust will record the DRC on the deed for the Property.

Ms. Jennifer Stanhope
USEPA
July 16, 2024
Revised April 4, 2025
Final January 2, 2026

Summary Review of Historical References and Documentation

RCRA Notification of Hazardous Waste Activity and Part A permit forms related to the Property from the ENCORE Environmental Consortium, LLC 2001 Current Conditions Report is provided in **Attachment 1**. The original and subsequent 1980 Part A Notification of Hazardous Waste Activity and Permit Forms did not identify this Property as part of the Facility. A subsequent 1985 revision to the Part A Permit Forms identify the Property as Parking Lots on the west sided of Baldwin Avenue across the street from the Assembly Plant but did not identify any waste management units on the Property. The Property was formerly owned by various units of the former General Motors Corporation (GMC) including Chevrolet-Pontiac-Canada Group (CPC) and GMC Fisher Body Division – Pontiac. The Property is part of the larger RACER Trust Pontiac North Campus Site that is currently being addressed through Resource Conservation Recovery Act (RCRA) Hazardous Waste Cleanup Program.

Available historical information for the Property includes a Phase I Environmental Site Assessment that was conducted in August 2004 for the Property in support of a potential real estate transaction. Later, in accordance with the identification nomenclature associated with the RCRA Corrective Action Areas of Interest (AOI), the Property was identified as AOI F-17. Additional information is provided in the RCRA Facility Investigation (RFI) Work Plan for AOI F-17, dated June 12, 2006.

Based on information provided in historical reports, the GMC Fisher Body Plant operated at the Fiero Assembly property beginning in 1925. Historical reports do not specifically state the timeline of GMC ownership of the Property but based on review of available information it is understood that the Property was previously comprised of many smaller parcels and that GMC obtained those smaller parcels over time. Based on historical aerial photographs reviewed (details below), it appears that vehicle parking started at a portion of the Property prior to 1949. Furthermore, there are no features observed that indicate that GMC manufacturing activities occurred at the Property. Currently, the northern parcel is a rarely used parking lot that is surrounded by fencing and the southern parcel is primarily vacant and grass covered but the southeast portion is paved and fenced.

According to historical documentation, the Property had several businesses present before the northern parcel was converted and utilized as a parking lot for the adjacent automotive manufacturing facility. Details regarding historical operations at each parcel are provided in the following sections:

Northern Parcel # 14-17-384-003

Previous businesses on the northern parcel included residential properties, a store and a restaurant. Historical use was not associated with automotive manufacturing for the Pontiac North Campus Site as the northern parcel was only used as a vehicle parking area for the plant. Historical aerial photographs were obtained from Environmental Data Resources (EDR) and are included in **Attachment 2**. Historical Sanborn Maps are included in **Attachment 3**. Approximate locations of historical structures are presented on **Figure 2**. A brief summary is provided below:

- 1924 Sanborn Map – The northern parcel is not shown on the coverage of this map.

- 1937 Aerial Photograph – Northern parcel is observed to be undeveloped land with three structures in the northwestern portion of the parcel, two structures in the southeastern portion, and a gravel or dirt roadway is observed traversing the central portion of the parcel.
- 1940 Aerial Photograph – Similar to the 1937 photograph; however, the roadway in the central portion has been widened and likely paved, and some areas of land disturbance is noted on the northern parcel.
- 1949 Aerial Photograph – The three structures are still present in the northwestern portion of the parcel; however, vehicle parking is observed in the southern portion of the parcel and around the two structures present in the southeastern portion. Land disturbance is also observed in the northeastern portion of the parcel.
- 1950 Sanborn Map – Northern parcel is observed to have a few small structures in the eastern portion of the parcel, one of which appears to be a restaurant.
- 1952 Aerial Photograph – The two small structures are still evident in the southeastern portion of the northern parcel. Based on coverage of the aerial the northwestern portion of the parcel cannot be fully observed. Parking lot areas are present in the southern and northeastern portion of the parcel; however, at the time of the aerial photograph no vehicles are observed to be present in the lots.
- 1956 Aerial Photograph – The three structures remain in the northwestern portion and the two structures remain in the southeastern portion of the parcel. Vehicle parking is observed throughout the remainder of the northern parcel.
- 1967 Aerial Photograph – Similar to the 1952 photograph; however, an additional parking area is evident in the northwestern portion of the parcel where the three structures were previously located and are now no longer present. An additional small structure is observed north of the two structures in the southeastern portion of the parcel. At the time of capture of the aerial photograph minimal vehicle parking is observed in the parking lot areas.
- 1970 Sanborn Map – Similar to the 1950 Sanborn Map.
- 1972 Aerial Photograph – Similar to the 1967 photograph.
- 1976 Aerial Photograph – Similar to the 1972 photograph; however, numerous vehicles are observed to be parked throughout the northern parcel and truck trailers are observed to be parked in the northwestern portion of the parcel.
- 1983 Aerial Photograph – Similar to the 1976 photograph; however, the three structures previously observed in the southeastern portion of the parcel are no longer present and a walkway structure is observed from the parking lot area extending across Baldwin Road to the adjacent automotive plant to the east.
- 1987 Aerial Photograph – Similar to the 1983 photograph; however, at the time the photograph was captured no vehicles are present in the parking lots.
- 1997 Aerial Photograph – Similar to the 1987 photograph; however, light poles can be seen across the parking areas.

- 1999, 2005, 2009, 2012, 2016, and 2020 Aerial Photographs – All are very similar in appearance and no additional differences are seen compared to the 1987 photograph. No vehicles were observed to be parked in the lots throughout these aerial photograph captures.

Southern Parcel # 14-20-130-018

Previous businesses on the southern parcel included residential properties, stores and restaurants, automotive repair, and manufacturing of oil seals (Universal Oil Seal). Historical use was not associated with automotive manufacturing for the Pontiac North Campus Site as the southern parcel was vacant and covered with grass and the eastern portion partially paved. It was also documented in Encore Environmental RCRA Facility Investigation (RFI) Work Plan for Pontiac North Campus Addendum #25, dated, June 12, 2006 that eight (8) underground storage tanks (USTs) were identified on a 1950 Sanborn Map within the Universal Oil Seal building in the southern portion of the southern parcel; however, as explained below they were actually wire glass skylights within the building structure. A historical filling station was identified on historical Sanborn Maps on the adjacent property near the southeastern corner of the southern parcel. Historical aerial photographs were obtained from Environmental Data Resources (EDR) and are included in **Attachment 2.** Historical Sanborn Maps are included in **Attachment 3**. Approximate locations of historical structures are presented on **Figure 2**. A brief summary is provided below:

- 1924 Sanborn Map – The southern parcel is not shown on the coverage of this map; however, a filling station is identified at the corner of Baldwin Avenue and Kennett Road. This property would be located adjacent to the southeastern portion of the southern parcel.
- 1937 Aerial Photograph –The southern parcel is observed to have a large rectangular building present in the southern portion of the parcel and two small buildings are observed in the southeastern portion of the parcel.
- 1940 Aerial Photograph – Similar to the 1937 photograph; however, land disturbance is noted on the southern parcel.
- 1949 Aerial Photograph – Similar to the 1940 photograph; however, an addition to the large rectangular structure in the southern portion of the parcel is observed to the west.
- 1950 Sanborn Map –The southern parcel contains several stores and restaurants. Universal Oil Seal is also identified in the southern portion of the southern parcel with eight small boxes that appeared to be above ground or underground storage tanks. However, upon review of Sanborn Map symbols it appears that a small “WG” is seen near each box which would indicate a wire glass skylight and not an above ground or underground storage tank.
- 1952 Aerial Photograph – The rectangular building is still present in the southeastern portion of the southern parcel along with the two smaller buildings. The “WG” wire glass skylights are evident on the rectangular building.
- 1956 Aerial Photograph – Similar to the 1952 photograph; however, an addition to the large rectangular structure in the southern portion of the parcel is observed to the north.
- 1967 Aerial Photograph – Similar to the 1956 photograph.

- 1970 Sanborn Map – Similar to the 1950 Sanborn Map; however, an addition to the northside of the Universal Oil Seal building is identified. The gasoline tanks are no longer identified at the adjacent filling station to the southeast of the southern parcel.
- 1972 Aerial Photograph – Similar to the 1967 photograph.
- 1976 Aerial Photograph – Similar to the 1972 photograph; however, one of the two buildings previously present in the southeastern portion of the parcel has been demolished, as only one building is observed.
- 1983 Aerial Photograph – All structures previously present in the southeastern portion of the parcel are no longer present and vehicle parking is now observed in this area. Additionally, all structures in the southern and southeastern portion of the parcel (the large rectangular structure and a smaller structure) have been demolished and land disturbance in this area is evident.
- 1987 Aerial Photograph – Similar to the 1983 photograph; however, at the time the photograph was captured no vehicles are present in the parking lot in the southeastern portion and grass covered vacant land is now present across the remaining portion of the parcel.
- 1997 Aerial Photograph – Similar to the 1987 photograph.
- 1999, 2005, 2009, 2012, 2016, and 2020 Aerial Photographs – All are very similar in appearance and no additional differences are seen compared to the 1987 photograph. No vehicles were observed to be parked in the southeastern lot throughout these aerial photograph captures.

Summary of Available Data

Historical soil data for the Former Fiero Parking Lot were screened against residential and nonresidential EGLE Part 201 Generic Clean Up Criteria (updated in October 2023), including state background levels for metals, Groundwater Surface Water Interface Protection (GSIP), Drinking Water Protection (DWP), Direct Contact, Residential Particulate Soil Inhalation Criteria (PSIC), and nonresidential PSIC with 0.43 modifier. A modifier was utilized to adjust the criteria for use with a 100-acre source area due to the large area of the Pontiac North Campus Site. In addition, soil data was screened against EGLE provided April 21, 2020 Site Specific Volatilization to Indoor Air Criteria (SSVIAC) for the Fiero Properties and the EGLE December 21, 2020 Residential and Nonresidential Volatilization to Indoor Air Pathway Screening Levels. Samples were analyzed for inorganic compounds, polychlorinated biphenyls (PCBs), and volatile and semi-volatile organic compounds (VOCs/SVOCs). Refer to **Figure 2** for sampling locations and piezometer locations and refer to **Table 1 and Table 2** for soil analytical data compared to criteria. **Figures 3A-3C** depict the soil analytical laboratory results compared to criteria.

Investigation activities were completed at the Property, which included the advancement of 17 soil borings (BF17-01 through BF17-17) and data evaluation (**Figure 2**). The scope of work is summarized in the RFI Work Plan Addendum #25, dated June 2006. Following data evaluation, one location, BF17-15, contained tetrachloroethene (PCE) above residential and nonresidential drinking water protection criteria. Therefore, four (4) additional soil borings (BF17-18 through BF17-21) were advanced in the vicinity of BF17-15 for further investigation of the exceedance in November 2006. All additional samples collected were below the residential and nonresidential

drinking water protection criteria. A total of five (5) groundwater piezometers (PZF17-01 through PZF17-05) for groundwater level monitoring were also installed in November 2006.

Additional investigation activities were conducted at the Property in November 2023 as a result of re-screening evaluation activities conducted in 2022 for the entire Pontiac North Campus Site. During the re-screening process the samples collected from BF17-15 (sampled 2006), BF17-19 (sampled 2006), and BF-17-20 (sampled 2006) were found to exceed Nonresidential Fiero SSVIAC for SVOCs/VOCs and are bounded by BF17-18 (sampled 2006) and BF17-21 (sampled 2006). These locations did not contain SVOCs/VOCs at concentrations above Residential Fiero SSVIAC, except for the 0 to 2 feet below ground surface (bgs) soil sample collected in 2006 at BF17-21. The 0 to 2 feet bgs soil sample contained a concentration of PCE (88 microgram per kilogram [µg/kg]) above the Residential SSVIAC (6.2 µg/kg). Residential criteria were used to evaluate this location since it is within 100 ft of the Property boundary that boarders off-site residential properties to the south. Further investigation was completed in this area in November 2023 by advancing a resample soil boring at previous soil boring location BF17-21. Resample location BF17-21RE had soil samples collected from 0-1, 2-3, and 4-5 ft bgs. All samples were analyzed for PCE by USEPA Method 8260, and all results were below laboratory detection limits for PCE and therefore, no further sampling is warranted.

Only one groundwater sample was collected from PZ17-02 in September 2011 and it was analyzed for VOCs. VOCs were not detected in the groundwater sample above laboratory detection limits. Additionally, during a recent investigation for PFAS constituents, PZF-17-05 at the Property was sampled for PFAS. No PFAS were detected above EGLE Criteria or USEPA MCLs.

As requested by USEPA in an email response dated October 23, 2024, PZ17-05 was sampled and analyzed for carbon tetrachloride and tetrachloroethene and all five existing piezometers (PZF17-01 through PZF17-05) were sampled and analyzed for metals. This event was a one-time sampling event requested by USEPA. Based on analysis of the groundwater samples collected, carbon tetrachloride and tetrachloroethene results at PZF17-05 were 1.0 micrograms per liter (ug/L) and non-detect, respectively. The result of 1.0 ug/L for carbon tetrachloride is well below the GSI criteria (38 ug/L) and Fiero Residential Site Specific Volatilization to Indoor Air Criteria (SSVIAC) for basement scenario (7.2 ug/L). Arsenic, barium, cadmium, chromium, cobalt, copper, manganese, nickel, and zinc were detected in the groundwater samples collected from the piezometers across the Property; however, only arsenic was detected slightly above the GSI criteria (0.01 mg/L) at 0.011 milligrams per liter (mg/L) in PZF17-01, which is located in the northwest portion of the Property. Based on the results, no further groundwater monitoring is proposed for the Property. Refer to **Table 2** for the groundwater analytical data compared to criteria for VOCs and PFAS and **Table 3** for metals results compared to criteria. Groundwater analytical data collected in 2024 is provided in **Attachment 4**.

The table below identifies the media and the constituent that exceeds its respective criteria. Investigation locations, if any, within 100 feet of the north, south, and west property boundaries were also evaluated against residential criteria because residential properties are adjacent to those property boundaries.

Media	Substance	Criteria Exceeded
Soil	Arsenic	RDWP, NRDWP, GSIP, RDC
	Benzo(a)pyrene	RDC
	Carbon Tetrachloride	RDWP, NRDWP, RVIAP, NRVIAP, RSSVIAC, NRSSVIAC
	Cobalt	RDWP, NRDWP, GSIP
	Chloroform	RVIAP, NRVIAP, RSSVIAC, NRSSVIAC
	Ethylbenzene	RVIAP, RSSVIAC
	Fluoranthene	GSIP
	Manganese	RDWP, NRDWP, GSIP, NRPSIC with modifier
	Mercury	GSIP
	Naphthalene	RVIAP, RSSVIAC
	Phenanthrene	GSIP, RVIAP, RSSVIAC
	Selenium	GSIP
	Tetrachloroethene	RDWP, NRDWP, GSIP, RVIAP, NRVIAP, RSSVIAC, NRSSVIAC
	Trichloroethene	RVIAP, NRVIAP, RSSVIAC, NRSSVIAC

Media	Substance	Criteria Exceeded
Groundwater	Arsenic	GSI

SOIL

RDWP – Residential Drinking Water Protection

NRDWP- Non-Residential Drinking Water Protection

GSIP – Groundwater Surface Water Interface Protection

RDC – Residential Direct Contact Criteria

NRPSIC – Nonresidential Particulate Soil Inhalation Criteria

RVIAP – Residential Volatilization to Indoor Air Pathway Screening Level

NRVIAP – Nonresidential Volatilization to Indoor Air Pathway Screening Level

RSSVIAC – Residential Site Specific Volatilization to Indoor Air Criteria – slab on grade and basement

NRSSVIAC – Nonresidential Site Specific Volatilization to Indoor Air Criteria – less than 50,000 square feet building slab on grade and basement and greater than 50,000 square feet building slab on grade and basement

Note: EGLE Part 201 Generic Clean Up Criteria (Revised October 2023), EGLE April 21, 2020 Site Specific Volatilization to Indoor Air Criteria (SSVIAC) for the Fiero Properties and EGLE December 21, 2020 Residential and Nonresidential Volatilization to Indoor Air Pathway Screening Levels were utilized for criteria comparison.

GROUNDWATER

GSI – Groundwater Surface Water Interface

Proposed Corrective Measures

As summarized in the Revised Draft Corrective Action Summary Report submitted to USEPA in July 2023 (draft July 2023 CA Summary Report), several potential exposure pathways (e.g., residential use, drinking water, vapor intrusion), can be addressed by deed restrictions. Remaining potential complete exposure pathways for the Property that were further considered in the draft July 2023 CA Summary Report are Nonresidential EGLE VIAP, Nonresidential Fiero SSVIAC, Nonresidential Direct Contact, and Nonresidential PSIC.

Based on the information presented in the draft July 2023 CA Summary Report and this memo, the following corrective measures have been proposed for the Property:

- Deed restrictions, including but not limited to the below;
    - limit the use of the property to nonresidential,
    - limit the ability to excavate or construct any sub-grade structures without properly managing/disposing of excavated material or other media, and implementing appropriate health and safety procedures as required by EGLE soil management requirements and OSHA,
    - prohibit extraction or use of groundwater from the property, and
    - soil vapor management.

Conclusions

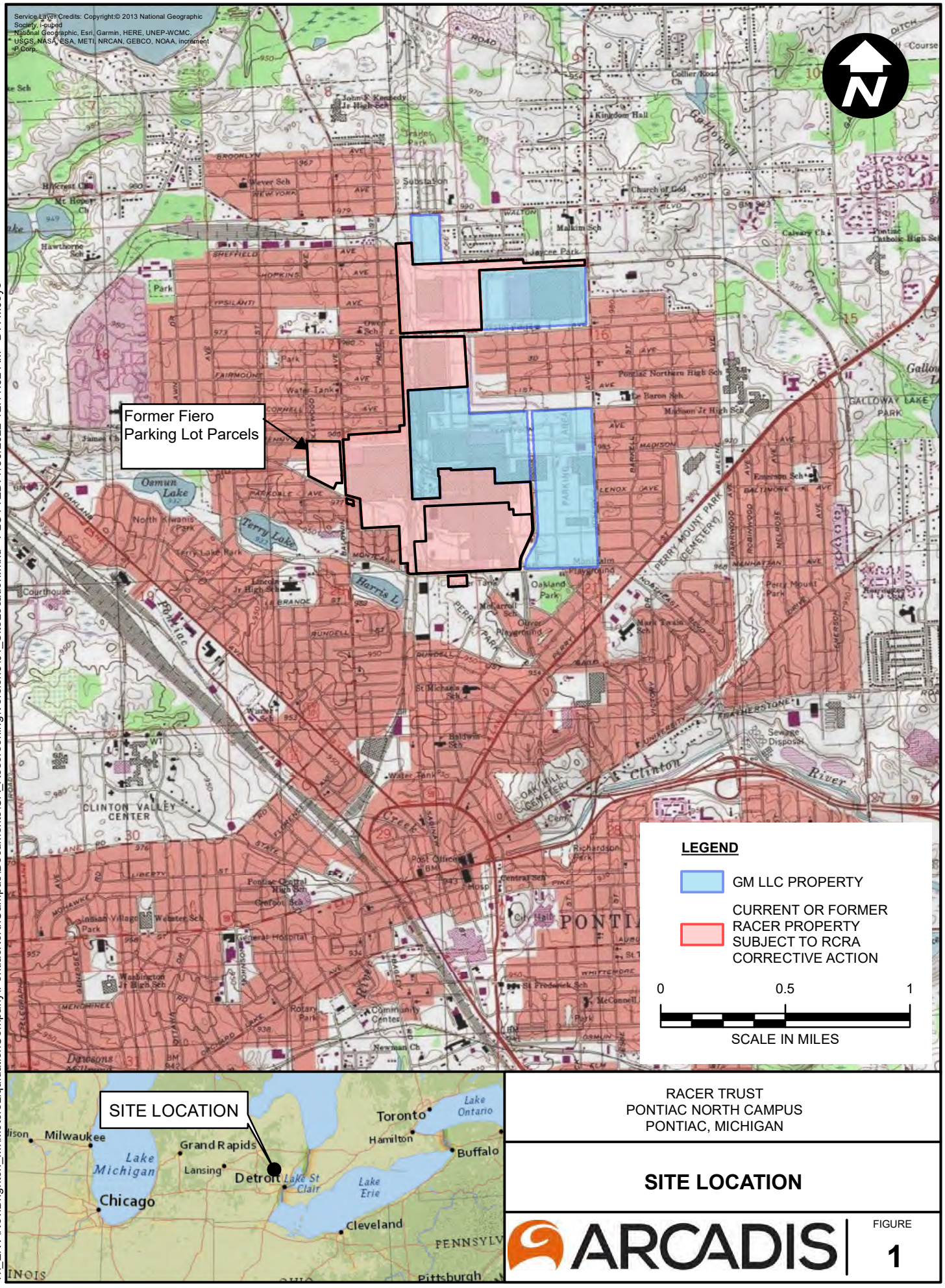
Based on the available information there is no indication that former GMC manufacturing operations were conducted at the Property. The historical information (aerial photographs and Sanborns) and previous investigations and resulting analytical data does not support the evidence of a release or industrial activities on the northern parcel. Additionally, although historical information shows activities on the southern parcel that may have resulted in a release at the parcel, the impacts appear to be minimal and remain relatively localized. Therefore, RACER requests that USEPA provide a letter that states the Property (northern and southern parcels) is not regulated by RCRA. In addition, potential risks to public health, if any, at the Property can be addressed by the proposed deed restrictions. RACER further requests USEPA consider the proposed deed restrictions as the final remedy for this Property. If acceptable to USEPA, a draft Declaration of Restrictive Covenant (DRC) will be provided to USEPA for review and approval. Within approximately thirty (30) days of USEPA's approval of a DRC, the DRC will be executed and recorded on the Property's deed with the Oakland County Register of Deeds.

Figures

Tables

Attachments

FIGURES



RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SITE LOCATION

ARCADIS

FIGURE
1

CITY: NOVI, MI DIV: ENV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
T:_ENV\NoviBrighton_MIMotorsLiquidationCompany\PontiacNorthCampus\Documents\CA_Rescreening\Version9\01_SiteLocation.mxd PLOTTED: 7/30/2022 12:11:52 AM BY: MJoye

W Tennyson Ave
Hollywood Ave
Mansfield Ave
Baldwin Ave
Saint Louis Ave
W Kennett Rd
Dresden Ave

BF17-01
BF17-02
BF17-03
BF17-04
BF17-05
BF17-06
BF17-07
BF17-08
BF17-09
BF17-10
BF17-11
BF17-12
BF17-13
BF17-14
BF17-15
BF17-16
BF17-17
BF17-18
BF17-19
BF17-20
BF17-21
BF17-21RE

PZF17-01
PZF17-02
PZF17-03
PZF17-04
PZF17-05

MWF2
IWF3
GWF4
MWF16-22
MWF16-24
MWF16-26

FORMER STRUCTURES

NORTHERN PARCEL ID 1417384003 9.500886 ACRES

SOUTHERN PARCEL ID 1420130018 3.300931 ACRES

RESIDENTIAL
STORE
RESTAURANT
UNIVERSAL OIL SEAL
FORMER STRUCTURE
FORMER STRUCTURE
HISTORICAL FILLING STATION

LEGEND

- SOIL SAMPLE LOCATION
- PIEZOMETER USED FOR GROUNDWATER ELEVATION COLLECTION ONLY
- PARCEL BOUNDARY
- 1937 HISTORICAL STRUCTURE
- 1950 HISTORICAL STRUCTURE

SOURCE: THE SANBORN MAPS COMPANY (ENVIRONMENTAL DATA RESOURCES). MAPS GEORECTIFIED USING 20 POINT SPLINE TRANSFORMATION. FEATURES DRAWN ACCORDING TO SANBORN MAPS.

0 120 240
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SAMPLE LOCATIONS AND HISTORICAL FEATURES - FIERO PARKING LOT

ARCADIS

FIGURE
2

Service Layer Credits: Google Earth Pro Aerial Dated March 19, 2021

W Tennyson Ave

Hollywood Ave

Mansfield Ave

Baldwin Ave

Saint Louis Ave

W Kennett Rd

Dresden Ave

BF17-01

BF17-02

BF17-03

BF17-04

BF17-05

BF17-06

BF17-07

BF17-08

BF17-09

BF17-10

BF17-11

BF17-12

BF17-13

BF17-14

BF17-15

BF17-16

BF17-17

BF17-18

BF17-19

BF17-20

BF17-21

PZF17-01

PZF17-02

PZF17-03

PZF17-04

PZF17-05

BF17-01			
Depth (ft bgs)	0-2	8-10	13-15
Date	6/14/2006		
Metals			
Arsenic	**4,700**	3,000	3,500
Chromium	14,100	5,700	3,500
Cobalt	**7,800**	**2,900**	**1,600**
Manganese	**430,000**	**219,000**	**130,000**
Mercury	31 J	< 39 U	< 34 U
Selenium	< 580 U	< 590 U	< 520 U

BF17-02			
Depth (ft bgs)	0-2	8-10	18-20
Date	6/14/2006		
Metals			
Arsenic	**6,700**	3,700 **[5,600]**	< 1800 U
Chromium	22,000	12,600 [17,000]	3,200
Cobalt	**11,300**	**7300 [8,700]**	**1,200**
Manganese	**466,000**	**366,000 [431,000]**	**76,300**
Mercury	31 J	47 [24 J]	< 34 U
Selenium	< 590 U	< 600 U [< 590 U]	< 510 U

BF17-03		
Depth (ft bgs)	0-2	
Date	6/14/2006	
Metals		
Arsenic	2,900	
Chromium	6,400	
Cobalt	**2,800**	
Manganese	**152,000**	
Mercury	18 J	
Selenium	< 530 U	

BF17-05		
Depth (ft bgs)	0-2	8-10
Date	6/15/2006	
Metals		
Arsenic	**7,000**	**5,200**
Chromium	7400 J	14,600
Cobalt	**3,900**	**8,900**
Manganese	**449,000**	**435,000**
Mercury	55	18 J
Selenium	< 570 U	< 570 U

BF17-04			
Depth (ft bgs)	0-2	8-10	13-15
Date	6/15/2006		
Metals			
Arsenic	**5,000**	**5,700**	3,800
Chromium	12,800	12,300	14,400
Cobalt	**7,600**	**8,500**	**8,400**
Manganese	**378,000**	**436,000**	**408,000**
Mercury	22 J	25 J	29 J
Selenium	< 570 U	< 570 U	< 570 U

BF17-09			
Depth (ft bgs)	0-2	8-10	11-13
Date	6/15/2006		
Metals			
Arsenic	**7,600 [5,400]**	1,500	580
Chromium	13,200 [14,700]	7,900	4,000
Cobalt	**6,700 [7,600]**	**1,300**	**1,100**
Manganese	**834,000 [314,000]**	**24,800**	**40,900**
Mercury	52 [37 J]	16 J	< 37 U
Selenium	< 580 U [< 580 U]	< 550 U	< 550 U

BF17-10			
Depth (ft bgs)	0-2	8-10	11.5-13.5
Date	6/15/2006	6/15/2006	6/15/2006
Metals			
Arsenic	**5,300**	**5,200**	4,400
Chromium	8,400	13,800	15,100
Cobalt	**3,700**	**7,500**	**10,400**
Manganese	**323,000**	**404,000**	**450,000**
Mercury	21 J	27 J	25 J
Selenium	< 530 U	< 570 U	< 570 U

BF17-06		
Depth (ft bgs)	0-2	3-5
Date	6/15/2006	
Metals		
Arsenic	4,200	4,600
Chromium	9,900	8,500
Cobalt	**5,300**	**5,200**
Manganese	**212,000**	**461,000**
Mercury	220	130
Selenium	< 560 U	< 570 U

BF17-07			
Depth (ft bgs)	0-2	8-10	18-20
Date	6/15/2006		
Metals			
Arsenic	**5,600**	**5,300**	3,200
Chromium	6,800	3,900	3,600
Cobalt	**4,800**	**3,000**	**2,000**
Manganese	**345,000**	**211,000**	**81,900**
Mercury	24 J	21 J	< 35 U
Selenium	< 580 U	< 520 U	< 540 U

BF17-08			
Depth (ft bgs)	0-2	8-10	13-15
Date	6/15/2006		
Metals			
Arsenic	2,100	**5,600** [4,000]	1,600
Chromium	13,800	13,700 [11,600]	3,700
Cobalt	**7,200**	**8,300 [6,500]**	**1,500**
Manganese	**221,000**	**406,000 [388,000]**	**48,800**
Mercury	55	25 J [31 J]	< 36 U
Selenium	< 570 U	< 580 U [< 570 U]	< 540 U

BF17-11			
Depth (ft bgs)	0-2	8-10	13-15
Date	6/14/2006		
Metals			
Arsenic	**6,300**	**4,800**	3,100
Chromium	16,500	13,200	5,000
Cobalt	**8,100**	**8,300**	**2,700**
Manganese	**401,000**	**410,000**	**217,000**
Mercury	34 J	23 J	16 J
Selenium	< 570 U	< 570 U	< 560 U

BF17-14			
Depth (ft bgs)	0-2	8-10	23-25
Date	6/14/2006		
Metals			
Arsenic	**4,900**	4,300	2,900
Chromium	11,400	12,200	3,900
Cobalt	**7,100**	**6,000**	**1,800**
Manganese	**575,000**	**326,000**	**107,000**
Mercury	37 J	21 J	< 34 U
Selenium	460 J	< 570 U	< 520 U

BF17-16			
Depth (ft bgs)	0-2	8-10	11-13
Date	6/14/2006		
Metals			
Arsenic	**8,200**	**7,100**	4,600
Chromium	17,200	17,900	13,400
Cobalt	**8,500**	**11,200**	**7,700**
Manganese	**429,000**	**526,000**	**380,000**
Mercury	25 J	47	19 J
Selenium	< 570 U	< 610 U	< 580 U

BF17-15			
Depth (ft bgs)	0-2	8-10	12.5-14.5
Date	6/14/2006		
Metals			
Arsenic	**5,400**	4,500 **[4,700]**	**6800**
Chromium	13,200	13,100 [12,900]	14,800
Cobalt	**6,400**	**6600 [6,500]**	**7700**
Manganese	**355,000**	**331,000 [344,000]**	**367000**
Mercury	30 J	27 J [19 J]	27 J
Selenium	< 540 U	< 560 U [< 560 U]	< 570 U

BF17-12			
Depth (ft bgs)	0-2	8-10	13-15
Date	6/14/2006		
Metals			
Arsenic	**7,200**	3,000	3,500
Chromium	19,300	4,500	5,400
Cobalt	**8,600**	**2,300**	**2,900**
Manganese	**469,000**	**197,000**	**270,000**
Mercury	47	< 35 U	< 38 U
Selenium	< 590 U	< 520 U	< 580 U

BF17-17		
Depth (ft bgs)	0-2	8-10
Date	6/14/2006	
Metals		
Arsenic	4,300	4,100
Chromium	12,300	11,200
Cobalt	**6,500**	**5,900**
Manganese	**325,000**	**327,000**
Mercury	36 J	22 J
Selenium	< 560 U	< 560 U

BF17-13		
Depth (ft bgs)	0-2	8-10
Date	6/14/2006	
Metals		
Arsenic	3,700	**6,900 [9,200]**
Chromium	8,000	16,800 [24,400]
Cobalt	**3,300**	**7,400 [7,400]**
Manganese	**244,000**	**399,000 [401,000]**
Mercury	20 J	24 J [31 J]
Selenium	< 530 U	< 590 U [< 590 U]

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING SAMPLE LOCATION
- ANALYZED ABOVE CRITERIA
- CURRENT OR FORMER RACER PROPERTY BOUNDARY

Chemical	Units	Statewide Default Background Levels	MI Soil Groundwater Surface Water Interface Protection	MI Soil Residential Drinking Water Protection	MI Soil Nonresidential Direct Contact	Nonresidential Particulate Soil Inhalation Criteria WITH 0.43 MODIFIER
Metals						
Arsenic	ug/kg	5,800	4,600	**4,600**	*37,000*	391,300
Chromium	ug/kg	18,000	--	--	--	--
Cobalt	ug/kg	6,800	2,000	**800**	*9,000,000*	2,537,000
Manganese	ug/kg	440,000	--	**1,000**	*90,000,000*	645,000
Mercury	ug/kg	130	50	**1,700**	*580,000*	3,784,000
Selenium	ug/kg	410	400	**4,000**	*9,600,000*	25,370,000

MI	MICHIGAN
J	ESTIMATED CONCENTRATION
U	COMPOUND ANALYZED FOR BUT NOT DETECTED ABOVE THE REPORTING LIMIT
ft bgs	FEET BELOW GROUND SURFACE
µg/kg	MICROGRAMS PER KILOGRAM
<	RESULT IS LESS THAN LABORATORY DETECTION LIMIT

NOTES:

1. ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER KILOGRAM

2. DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS

3. CRITERIA LISTED ARE FROM THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE) CLEAN UP CRITERIA REQUIREMENTS TABLE 2: RESIDENTIAL SOIL CRITERIA, TABLE 3: NONRESIDENTIAL SOIL CRITERIA, PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS, OCTOBER 2023.

0 120 240

SCALE IN FEET

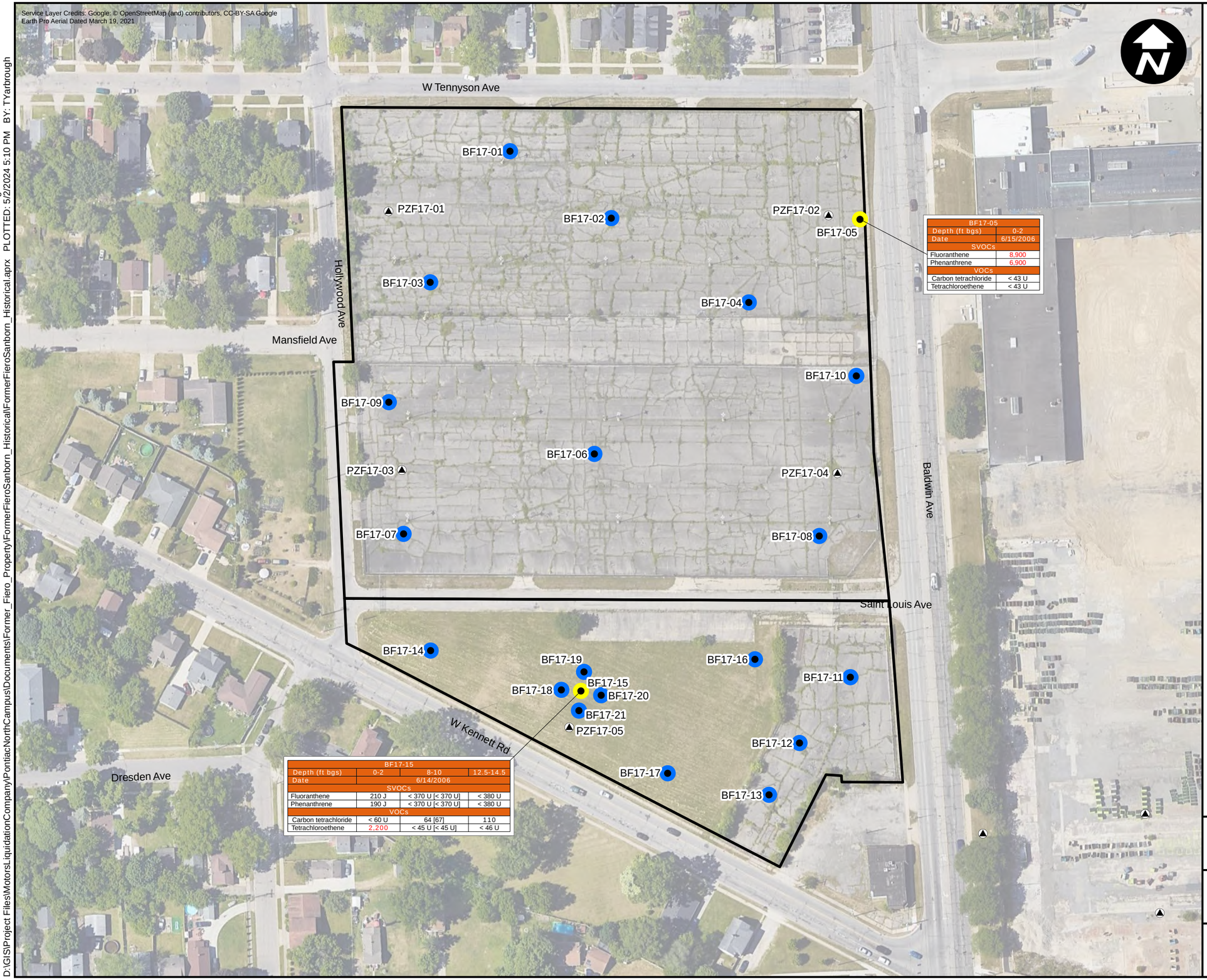
RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

FORMER FIERO PARKING LOT
SOIL ANALYTICAL SUMMARY (METALS)

ARCADIS

FIGURE
3A

CITY: NOVI DIV: ENV DB: TRY PIC:S.INSALACO PM: T. LINDER TM: L. CRISP TR: PROJECT NUMBER: 30075936.0005 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampus\Documents\Former_Fiero_Property\FormerParkingLot\ParkingLot\FormerFieroParkingLot_Metals.mxd PLOTTED: 5/2/2024 5:09:49 PM BY: TYarbrough



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING SAMPLE LOCATION
- ANALYZED BELOW CRITERIA
- ANALYZED ABOVE CRITERIA
- CURRENT OR FORMER RACER PROPERTY BOUNDARY

Chemical	Units	MI Soil Groundwater Surface Water Interface Protection	MI Soil Residential Drinking Water Protection	MI Soil Nonresidential Direct Contact	Nonresidential Particulate Soil Inhalation Criteria WITH 0.43 MODIFIER
SVOCs					
Fluoranthene	ug/kg	5,500	**730,000**	*130,000,000*	1,763,000,000
Phenanthrene	ug/kg	2,100	**56,000**	*5,200,000*	1,247,000
VOCs					
Carbon tetrachloride	ug/kg	760	**100**	*440,000*	73,100,000
Tetrachloroethene	ug/kg	1,200	**100**	*930,000*	516,000,000

MI	MICHIGAN
J	ESTIMATED CONCENTRATION
U	COMPOUND ANALYZED FOR BUT NOT DETECTED ABOVE THE REPORTING LIMIT
ft bgs	FEET BELOW GROUND SURFACE
µg/kg	MICROGRAMS PER KILOGRAM
<	RESULT IS LESS THAN LABORATORY DETECTION LIMIT

NOTES:

1. ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER KILOGRAM

2. DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS

3. CRITERIA LISTED ARE FROM THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE) CLEAN UP CRITERIA REQUIREMENTS TABLE 2: RESIDENTIAL SOIL CRITERIA, TABLE 3: NONRESIDENTIAL SOIL CRITERIA, PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS, OCTOBER 2023.

0 120 240

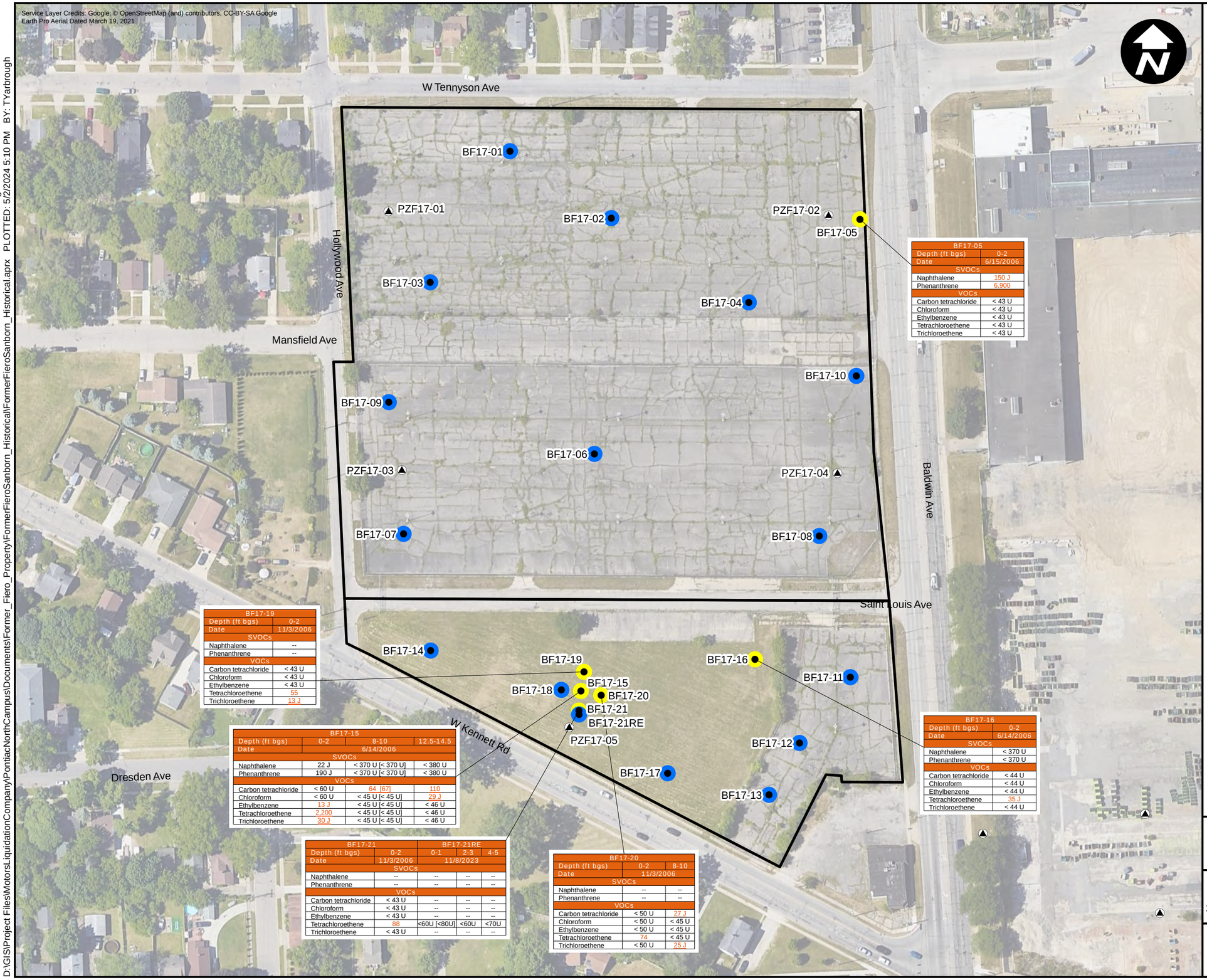
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

FORMER FIERO PARKING LOT
SOIL ANALYTICAL SUMMARY (VOCs/SVOCs)

ARCADIS

FIGURE
3B



BF17-05	
Depth (ft bgs)	0-2
Date	6/15/2006
SVOCs	
Naphthalene	150 J
Phenanthrene	6,900
VOCs	
Carbon tetrachloride	< 43 U
Chloroform	< 43 U
Ethylbenzene	< 43 U
Tetrachloroethene	< 43 U
Trichloroethene	< 43 U

BF17-19	
Depth (ft bgs)	0-2
Date	11/3/2006
SVOCs	
Naphthalene	--
Phenanthrene	--
VOCs	
Carbon tetrachloride	< 43 U
Chloroform	< 43 U
Ethylbenzene	< 43 U
Tetrachloroethene	55
Trichloroethene	13 J

BF17-15			
Depth (ft bgs)	0-2	8-10	12.5-14.5
Date	6/14/2006		
SVOCs			
Naphthalene	22 J	< 370 U [< 370 U]	< 380 U
Phenanthrene	190 J	< 370 U [< 370 U]	< 380 U
VOCs			
Carbon tetrachloride	< 60 U	64 [67]	110
Chloroform	< 60 U	< 45 U [< 45 U]	29 J
Ethylbenzene	13 J	< 45 U [< 45 U]	< 46 U
Tetrachloroethene	2,200	< 45 U [< 45 U]	< 46 U
Trichloroethene	30 J	< 45 U [< 45 U]	< 46 U

BF17-21		BF17-21RE		
Depth (ft bgs)	0-2	0-1	2-3	4-5
Date	11/3/2006	11/8/2023		
SVOCs				
Naphthalene	--	--	--	--
Phenanthrene	--	--	--	--
VOCs				
Carbon tetrachloride	< 43 U	--	--	--
Chloroform	< 43 U	--	--	--
Ethylbenzene	< 43 U	--	--	--
Tetrachloroethene	88	<60U [<80U]	<60U	<70U
Trichloroethene	< 43 U	--	--	--

BF17-20		
Depth (ft bgs)	0-2	8-10
Date	11/3/2006	
SVOCs		
Naphthalene	--	--
Phenanthrene	--	--
VOCs		
Carbon tetrachloride	< 50 U	27 J
Chloroform	< 50 U	< 45 U
Ethylbenzene	< 50 U	< 45 U
Tetrachloroethene	74	< 45 U
Trichloroethene	< 50 U	25 J

BF17-16	
Depth (ft bgs)	0-2
Date	6/14/2006
SVOCs	
Naphthalene	< 370 U
Phenanthrene	< 370 U
VOCs	
Carbon tetrachloride	< 44 U
Chloroform	< 44 U
Ethylbenzene	< 44 U
Tetrachloroethene	35 J
Trichloroethene	< 44 U

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING SAMPLE LOCATION
- ANALYZED BELOW CRITERIA
- ANALYZED ABOVE CRITERIA
- CURRENT OR FORMER RACER PROPERTY BOUNDARY

Chemical	Units	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	NR Fiero SSVIAC <50k BASE
Semi-Volatile Organic Compounds				
Naphthalene	ug/kg	67	3,800	*2,500*
Phenanthrene	ug/kg	1,700	58,000	*39,000*
Volatile Organic Compounds				
Carbon tetrachloride	ug/kg	0.31	17	*12*
Chloroform	ug/kg	0.26	15	*9.9*
Ethylbenzene	ug/kg	12	680	*450*
Tetrachloroethene	ug/kg	6.2	150	*99*
Trichloroethene	ug/kg	0.33	8	*5.3*

Base	BASEMENT
Res	RESIDENTIAL
SOG	SLAB-ON-GRADE
SSVIAC	SITE SPECIFIC VOLATILIZATION TO INDOOR AIR CRITERIA
J	ESTIMATED CONCENTRATION
U	COMPOUND ANALYZED FOR BUT NOT DETECTED ABOVE THE REPORTING LIMIT
ft bgs	FEET BELOW GROUND SURFACE
µg/kg	MICROGRAMS PER KILOGRAM
< 50k	< 50,000 SQUARE FEET
<	RESULT IS LESS THAN LABORATORY DETECTION LIMIT

NOTES:

1. ALL CONCENTRATIONS ARE PRESENTED IN MICROGRAMS PER KILOGRAM

2. DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS

3. CRITERIA LISTED ARE FROM THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE) CLEAN UP CRITERIA REQUIREMENTS TABLE 2: RESIDENTIAL SOIL CRITERIA, TABLE 3: NONRESIDENTIAL SOIL CRITERIA, PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS, OCTOBER 2023.

0 120 240

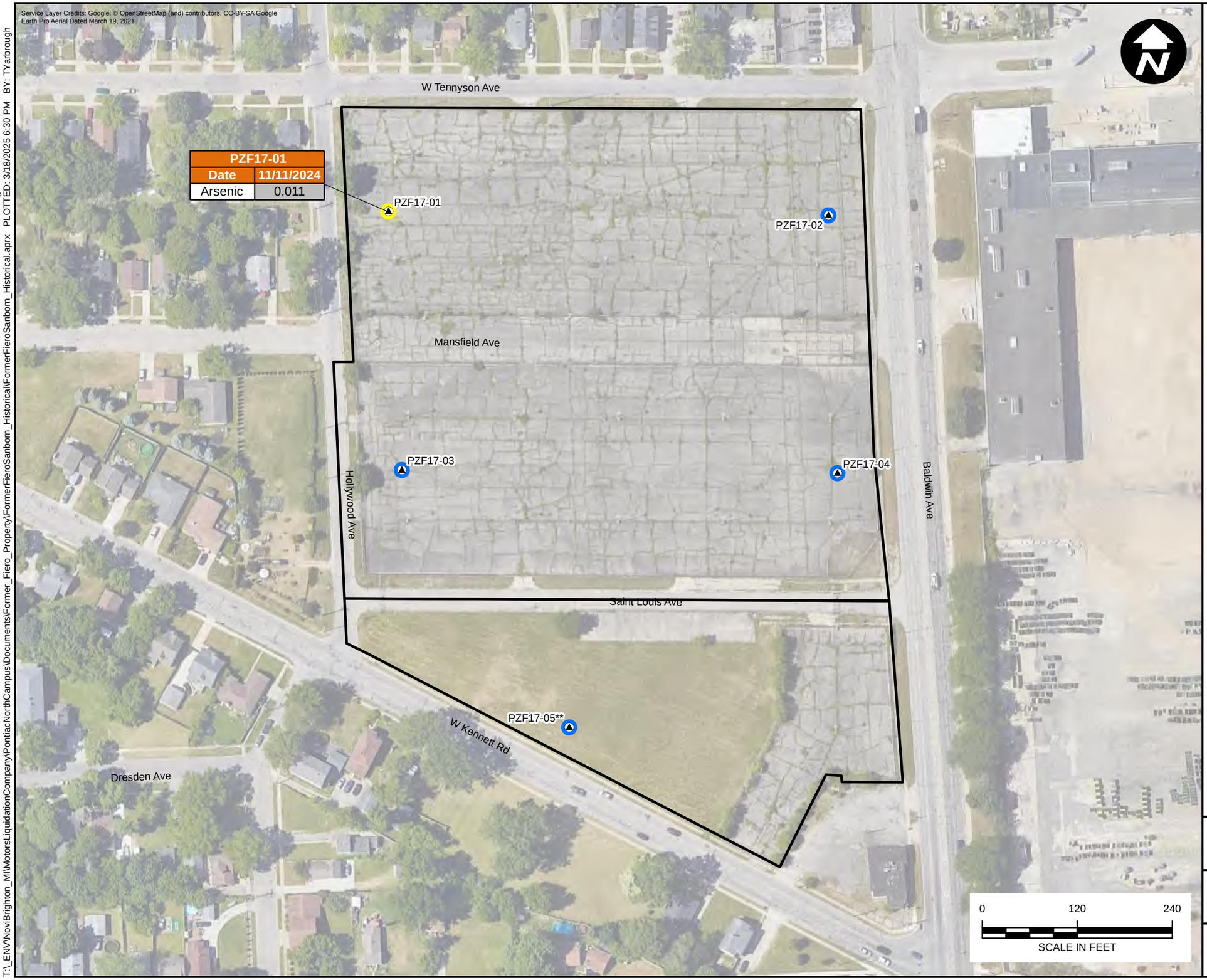
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

FORMER FIERO PARKING LOT
SOIL ANALYTICAL SUMMARY - VIAP (VOCs/SVOCs)

ARCADIS

FIGURE
3C



LEGEND

- MONITORING WELL LOCATION
- ANALYZED BELOW CRITERIA
- ANALYZED ABOVE CRITERIA
- CURRENT OR FORMER RACER PROPERTY BOUNDARY

Chemical	Units	MI Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC Basement Senario
Metals				
Antimony	mg/L			
Arsenic	mg/L	0.01	- -	- -
Barium	mg/L	0.67	- -	- -
Beryllium	mg/L		- -	- -
Cadmium	mg/L	0.0025	- -	- -
Chromium	mg/L	0.011	- -	- -
Cobalt	mg/L	0.1	- -	- -
Copper	mg/L	0.013	- -	- -
Lead	mg/L		- -	- -
Manganese	mg/L	1.3	- -	- -
Nickel	mg/L	0.073	- -	- -
Selenium	mg/L		- -	- -
Silver	mg/L		- -	- -
Thallium	mg/L		- -	- -
Vanadium	mg/L		- -	- -
Zinc	mg/L	0.17	- -	- -
Mercury	mg/L	0.0000013	*0.0025*	0.0037

MI	MICHIGAN
mg/L	MILIGRAMS PER LITER
VOCs	VOLATILE ORGANIC COMPOUNDS
PFAS	PER-AND POLYFLUOROALKYL SUBSTANCES
SSVIAC	SITE-SPECIFIC VOLATILIZATION TO INDOOR AIR CRITERIA
SOG	SLAB-ON-GRADE SCENARIO
Res	RESIDENTIAL

NOTES:

1. ALL CONCENTRATIONS ARE PRESENTED IN MILIGRAMS PER LITER.

2. ALL DATA COLLECTED IS PRESENTED ON TABLE 2 FOR VOCS AND PFAS AND TABLE 3 FOR METALS.

3. CRITERIA LISTED ARE FROM THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE) CLEAN UP CRITERIA REQUIREMENTS TABLE 2: RESIDENTIAL SOIL CRITERIA, TABLE 3: NONRESIDENTIAL SOIL CRITERIA, PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS, OCTOBER 12, 2023.

**LOCATION PZ17-05 WAS ANALYZED FOR PFAS ON 9/15-2023 AND CARBON TETRACHLORIDE AND TETRACHLOROETHENE AND NONE OF THE CONSTITUENTS ANALYZED WERE ABOVE CRITERIA - REFER TO TABLES.

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

FORMER FIERO PARKING LOT GROUNDWATER ANALYTICAL SUMMARY

ARCADIS

FIGURE
4

TABLES

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION / DEPTH INTERVAL (FT) / SAMPLE DATE / AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-01 0-2 6/14/2006 F-17	BF17-01 8-10 6/14/2006 F-17	BF17-01 13-15 6/14/2006 F-17	BF17-02 0-2 6/14/2006 F-17	BF17-02 8-10 6/14/2006 F-17	BF17-02 (DUP) 8-10 6/14/2006 F-17	BF17-02 18-20 6/14/2006 F-17	BF17-03 0-2 6/14/2006 F-17	BF17-04 0-2 6/15/2006 F-17	BF17-04 8-10 6/15/2006 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																				
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.039 U	< 0.034 U	< 0.039 U	< 0.039 U	< 0.039 U	< 0.034 U	< 0.035 U	< 0.038 U	< 0.038 U
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Metals (USEPA Method 6020A)																				
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	< 1200 UJ	< 1200 UJ	< 1000 UJ	< 1200 UJ	< 1400 UJ	< 1200 UJ	< 1000 UJ	< 1100 UJ	< 1100 UJ	< 1100 UJ
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	**4700**	3000	3500	**6700**	3700	**5600**	< 1800 U	2900	**5000**	**5700**
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	43300	10400	5600	45500	43700	47600	4100	16300	41800	37500
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	230	< 120 U	< 100 U	390	< 120 U	280	< 100 U	< 110 U	160	140
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	< 580 U	< 590 U	< 520 U	< 590 U	< 600 U	< 590 U	< 510 U	< 530 U	100 J	63 J
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	14100	5700	3500	22000	12600	17000	3200	6400	12800	12300
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	**7800**	**2900**	**1600**	**11300**	**7300**	**8700**	**1200**	**2800**	**7600**	**8500**
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	19100	9200	3500	26600	17600	21500	3100	6000	15900	15700
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	8100	3700	2100	11000	6000	8000	1800	17900	7400	6600
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	**430000**	**219000**	**130000**	**466000**	**366000**	**431000**	**76300**	**152000**	**378000**	**436000**
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	31 J	< 39 U	< 34 U	31 J	47	24 J	< 34 U	18 J	22 J	25 J
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	20600	6400	4300	27900	17700	22400	3000	5800	19500	21000
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	130000000	25370000	--	< 580 U	< 590 U	< 520 U	< 590 U	< 600 U	< 590 U	< 510 U	< 530 U	< 570 U	< 570 U
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	< 580 U	< 590 U	< 520 U	< 590 U	< 600 U	< 590 U	< 510 U	< 530 U	< 570 U	< 570 U
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	< 1200 U	< 1200 U	< 1000 U	< 1200 U	< 1200 U	< 1200 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	20400	11000	5000	27700	17800	20900	4700	8700	17800	17400
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	63600 J	25100 J	14800 J	59900 J	37300 J	47700 J	13800 J	26600 J	43200 J	39200 J
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 UJ	< 1800 UJ
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	19 J	< 380 U	< 380 U
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	16 J	< 380 U	< 380 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	19 J	< 380 U	< 380 U

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-01 0-2 6/14/2006 F-17	BF17-01 8-10 6/14/2006 F-17	BF17-01 13-15 6/14/2006 F-17	BF17-02 0-2 6/14/2006 F-17	BF17-02 8-10 6/14/2006 F-17	BF17-02 (DUP) 8-10 6/14/2006 F-17	BF17-02 18-20 6/14/2006 F-17	BF17-03 0-2 6/14/2006 F-17	BF17-04 0-2 6/15/2006 F-17	BF17-04 8-10 6/15/2006 F-17
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	11 J	< 380 U	< 380 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	12 J	< 380 U	< 380 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	< 380 U	72 J	24 J	25 J	< 390 U	22 J	< 340 U	< 350 U	< 380 U	< 380 U
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	470000000000	9030000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	61 J	< 380 U	< 380 U
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	670000000	124700000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	18 J	< 380 U	< 380 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	24 J	< 380 U	< 380 U
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 UJ	< 1800 UJ
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	11 J	< 380 U	< 380 U
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	12000000000	3526000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	7.7 J	< 380 U	< 380 U
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	26 J	< 380 U	< 380 U
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 UJ	< 230 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 700 U	< 650 U	< 640 U	< 710 U	< 720 U	< 700 U	< 700 U	< 590 U	< 690 U	< 680 U
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2300 U	< 2200 U	< 2100 U	< 2400 U	< 2400 U	< 2300 U	< 2300 U	< 2000 U	< 2300 U	< 2300 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2300 U	< 2200 U	< 2100 U	< 2400 U	< 2400 U	< 2300 U	< 2300 U	< 2000 U	< 2300 U	< 2300 U
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 1000 UJ	< 850 UJ	< 880 UJ	< 940 UJ	< 1200 UJ	< 1100 UJ	< 1100 UJ	< 850 UJ	< 690 U	< 680 U
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	47000000000	9030000000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U

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Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-01 0-2 6/14/2006 F-17	BF17-01 8-10 6/14/2006 F-17	BF17-01 13-15 6/14/2006 F-17	BF17-02 0-2 6/14/2006 F-17	BF17-02 8-10 6/14/2006 F-17	BF17-02 (DUP) 8-10 6/14/2006 F-17	BF17-02 18-20 6/14/2006 F-17	BF17-03 0-2 6/14/2006 F-17	BF17-04 0-2 6/15/2006 F-17	BF17-04 8-10 6/15/2006 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1000 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 940 U	< 1100 U	< 1100 U
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 93 UJ	< 87 UJ	< 85 UJ	< 95 UJ	< 96 UJ	< 94 UJ	< 94 UJ	< 78 UJ	< 91 UJ	< 91 UJ
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1000 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 940 U	< 1100 UJ	< 1100 UJ
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1000 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 940 U	< 1100 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	5160000000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	130000000	25370000	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	< 140 U	< 130 U	< 130 U	< 140 U	< 140 U	< 140 U	< 140 U	< 120 U	< 140 U	< 140 U
GENCHEM																				
Total solids	%	--	--	--	--	--	--	--	--	--	86.0	85.1	96.0	84.6	83.7	85.3	97.4	93.9	87.5	87.9

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-04 13-15 6/15/2006 F-17	BF17-05 0-2 6/15/2006 F-17	BF17-05 1-3 11/3/2006 F-17	BF17-05 8-10 6/15/2006 F-17	BF17-06 0-2 6/15/2006 F-17	BF17-06 3-5 6/15/2006 F-17	BF17-07 0-2 6/15/2006 F-17	BF17-07 8-10 6/15/2006 F-17	BF17-07 18-20 6/15/2006 F-17	BF17-08 0-2 6/15/2006 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																				
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	< 0.038 U
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	< 0.038 U
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	< 0.038 U
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	< 0.038 U
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	< 0.038 U
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	0.028 J
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	< 0.038 U
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	--	< 0.037 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.034 U	< 0.035 U	0.028 J
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Metals (USEPA Method 6020A)																				
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	< 1100 UJ	< 1100 UJ	--	< 1100 UJ	< 1100 UJ	580 J	780 J	410 J	380 J	< 1100 UJ
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	3800	**7000**	--	**5200**	4200	4600	**5600**	**5300**	3200	2100
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	38800	30100	--	49100	27600	34900	13500	16800	5700	26500
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	180	47 J	--	180	56 J	140	40 J	71 J	< 110 U	< 110 U
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	40 J	110 J	--	83 J	< 560 U	< 570 U	91 J	94 J	37 J	84 J
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	14400	7400 J	--	14600	9900	8500	6800	3900	3600	13800
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	**8400**	**3900**	--	**8900**	**5300**	**5200**	**4800**	**3000**	**2000**	**7200**
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	17400	12400	--	18100	11400	9400	17800	11200	4500	9500
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	7400	17700	--	7900	12200	38300	6800	4100	2500	21900
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	**408000**	**449000**	--	**435000**	**212000**	**461000**	**345000**	**211000**	**81900**	**221000**
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	29 J	55	--	18 J	220	130	24 J	21 J	< 35 U	55
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	21900	9400	--	21800	11500	10800	12200	9800	4300	13100
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	1300000000	25370000	--	< 570 U	< 570 U	--	< 570 U	< 560 U	< 570 U	< 580 U	< 520 U	< 540 U	< 570 U
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	< 570 U	< 570 U	--	< 570 U	< 560 U	< 570 U	< 580 U	< 520 U	< 540 U	< 570 U
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	1000 J	< 1100 U	--	< 1100 U	< 1100 U	< 1100 U	< 1200 U	< 1000 U	< 1100 U	630 J
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	17500	10600	--	18700	14800	13900	10400	5400	6500	14300
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	46000 J	32800 J	--	46800 J	32200 J	34600 J	47600 J	32100 J	20500 J	31600 J
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	< 380 U	110 J	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 UJ	< 1800 UJ	< 1900 U	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1700 UJ	< 1700 UJ	< 1800 UJ
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	< 380 U	700	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	< 380 U	2100	< 390 U	< 370 U	< 370 U	36 J	< 380 U	< 340 U	< 350 U	< 380 U
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 380 U	3500	< 390 U	< 370 U	< 370 U	87 J	< 380 U	16 J	< 350 U	66 J
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	< 380 U	3000	< 390 U	< 370 U	< 370 U	82 J	< 380 U	< 340 U	< 350 U	85 J
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 380 U	3700	< 390 U	< 370 U	< 370 U	97 J	< 380 U	< 340 U	< 350 U	110 J

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-04 13-15 6/15/2006 F-17	BF17-05 0-2 6/15/2006 F-17	BF17-05 1-3 11/3/2006 F-17	BF17-05 8-10 6/15/2006 F-17	BF17-06 0-2 6/15/2006 F-17	BF17-06 3-5 6/15/2006 F-17	BF17-07 0-2 6/15/2006 F-17	BF17-07 8-10 6/15/2006 F-17	BF17-07 18-20 6/15/2006 F-17	BF17-08 0-2 6/15/2006 F-17
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	< 380 U	1800	< 390 U	< 370 U	< 370 U	43 J	< 380 U	< 340 U	< 350 U	65 J
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	< 380 U	1500	< 390 U	< 370 U	< 370 U	50 J	< 380 U	< 340 U	< 350 U	59 J
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	41 J	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	23 J	< 380 U	< 390 U	< 370 U	< 370 U	22 J	< 380 U	< 340 U	< 350 U	29 J
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	47000000000	9030000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	670000000	124700000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	< 380 U	680	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	< 380 U	3400	< 390 U	< 370 U	< 370 U	90 J	< 380 U	15 J	< 350 U	87 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	< 380 U	510	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	< 380 U	440	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	24 J	< 380 U	< 340 U	< 350 U	27 J
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	< 380 U	8900	24 J	< 370 U	< 370 U	200 J	< 380 U	26 J	< 350 U	120 J
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	< 380 U	860	< 390 U	< 370 U	< 370 U	15 J	< 380 U	< 340 U	< 350 U	< 380 U
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	< 1800 UJ	< 1800 UJ	< 1900 U	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1700 UJ	< 1700 UJ	< 1800 UJ
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	< 380 U	1700	< 390 U	< 370 U	< 370 U	38 J	< 380 U	< 340 U	< 350 U	55 J
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	12000000000	3526000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	< 380 U	150 J	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	< 380 U	6900	24 J	< 370 U	< 370 U	140 J	< 380 U	19 J	< 350 U	28 J
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	< 380 U	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	< 380 U	6500	< 390 U	< 370 U	< 370 U	150 J	< 380 U	22 J	< 350 U	97 J
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 230 UJ	< 210 UJ		< 230 UJ	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 680 U	< 640 U		< 680 U	< 670 U	< 680 U	< 660 U	< 610 U	< 610 U	< 680 U
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2300 U	< 2100 U		< 2300 U	< 2200 U	< 2300 U	< 2200 U	< 2000 U	< 2000 U	< 2300 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2300 U	< 2100 U		< 2300 U	< 2200 U	< 2300 U	< 2200 U	< 2000 U	< 2000 U	< 2300 U
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 680 U	< 640 U		< 680 U	< 670 U	< 680 U	< 660 U	< 610 U	< 610 U	< 680 U
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	47000000000	9030000000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-04 13-15 6/15/2006 F-17	BF17-05 0-2 6/15/2006 F-17	BF17-05 1-3 11/3/2006 F-17	BF17-05 8-10 6/15/2006 F-17	BF17-06 0-2 6/15/2006 F-17	BF17-06 3-5 6/15/2006 F-17	BF17-07 0-2 6/15/2006 F-17	BF17-07 8-10 6/15/2006 F-17	BF17-07 18-20 6/15/2006 F-17	BF17-08 0-2 6/15/2006 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1000 U		< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 970 U	< 1100 U
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 91 UJ	< 86 UJ		< 91 UJ	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 UJ
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 UJ	< 1000 UJ		< 1100 UJ	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 970 U	< 1100 UJ
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	10 J		< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 970 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	5160000000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	1300000000	25370000	--	< 46 U	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 230 U	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 91 U	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	< 140 U	< 130 U		< 140 U	< 130 U	< 140 U	< 130 U	< 120 U	< 120 U	< 140 U
GENCHEM																				
Total solids	%	--	--	--	--	--	--	--	--	--	87.7	87.0	83.7	88.1	89.8	88.1	86.7	96.5	93.1	87.8

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Former Fiero Parking Lot
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SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-08 8-10 6/15/2006 F-17	BF17-08 (DUP) 8-10 6/15/2006 F-17	BF17-08 13-15 6/15/2006 F-17	BF17-09 0-2 6/15/2006 F-17	BF17-09 (DUP) 0-2 6/15/2006 F-17	BF17-09 8-10 6/15/2006 F-17	BF17-09 11-13 6/15/2006 F-17	BF17-10 0-2 6/15/2006 F-17	BF17-10 8-10 6/15/2006 F-17	BF17-10 11.5-13.5 6/15/2006 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																					
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	< 0.038 U	< 0.038 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.037 U	< 0.038 U
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Metals (USEPA Method 6020A)																					
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	< 1200 UJ	< 1100 UJ	< 1100 UJ	940 J	750 J	450 J	< 1100 UJ	< 1100 UJ	< 1100 UJ	< 1100 UJ
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	**5600**	4000	1600	**7600**	**5400**	1500	580	**5300**	**5200**	4400
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	43400	35800	4500	39100	37200	4000	2800	28700	39200	40200
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	160	190	< 110 U	190	160	< 110 U	< 110 U	230	170	230
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	37 J	72 J	< 540 U	400 J	< 580 U	37 J	64 J	56 J	62 J	93 J
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	13700	11600	3700	13200	14700	7900	4000	8400	13800	15100
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	**8300**	**6500**	**1500**	**6700**	**7600**	**1300**	**1100**	**3700**	**7500**	**10400**
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	19700	14700	5200	20600	17400	2800	2400	11100	15800	20800
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	8100	6900	2700	45100 J	12400 J	2900	1900	12900	8400	8100
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	**406000**	**388000**	**48800**	**834000**	**314000**	**24800**	**40900**	**323000**	**404000**	**450000**
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	25 J	31 J	< 36 U	52	37 J	16 J	< 37 U	21 J	27 J	25 J
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	24500	17900	4500	16100	19400	4600	2500	12000	20200	26400
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	1300000000	25370000	--	< 580 U	< 570 U	< 540 U	< 580 U	< 580 U	< 550 U	< 550 U	< 530 U	< 570 U	< 570 U
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	< 580 U	< 570 U	< 540 U	< 580 U	< 580 U	< 550 U	< 550 U	< 530 U	< 570 U	< 570 U
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	< 1200 U	< 1100 U	< 1100 U	< 1200 U	< 1200 U	< 1100 U	630 J	< 1100 U	740 J	800 J
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	18100	14600	7000	17500	18200	6100	4200	13900	18400	19500
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	50700 J	42300 J	20400 J	61300 J	45200 J	24300 J	16400 J	23300 J	41800 J	54800 J
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																					
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	< 1900 U	< 1800 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 UJ	< 1800 UJ	< 1700 UJ	< 1900 UJ	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 UJ	< 1800 UJ
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	< 1900 U	< 1800 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1900 U	< 1800 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	< 380 U	< 380 U	< 360 U	< 380 U	7.8 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	< 380 U	< 380 U	< 360 U	< 380 U	27 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 380 U	< 380 U	< 360 U	36 J	120 J	< 360 U	< 370 U	22 J	< 370 U	< 380 U
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	< 380 U	< 380 U	< 360 U	38 J	87 J	< 360 U	< 370 U	16 J	< 370 U	< 380 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 380 U	< 380 U	< 360 U	46 J	120 J	< 360 U	< 370 U	19 J	< 370 U	< 380 U

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-08 8-10 6/15/2006 F-17	BF17-08 (DUP) 8-10 6/15/2006 F-17	BF17-08 13-15 6/15/2006 F-17	BF17-09 0-2 6/15/2006 F-17	BF17-09 (DUP) 0-2 6/15/2006 F-17	BF17-09 8-10 6/15/2006 F-17	BF17-09 11-13 6/15/2006 F-17	BF17-10 0-2 6/15/2006 F-17	BF17-10 8-10 6/15/2006 F-17	BF17-10 11.5-13.5 6/15/2006 F-17
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	< 380 U	< 380 U	< 360 U	< 380 U	53 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	< 380 U	< 380 U	< 360 U	21 J	50 J	< 360 U	< 370 U	16 J	< 370 U	< 380 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	< 380 U	< 380 U	< 360 U	< 380 U	21 J	< 360 U	< 370 U	< 350 U	< 370 U	21 J
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	470000000000	9030000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	6700000000	124700000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	< 380 U	< 380 U	< 360 U	43 J	130 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	< 380 U	< 380 U	< 360 U	< 380 U	16 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	< 380 U	< 380 U	< 360 U	82 J	220 J	< 360 U	< 370 U	31 J	< 370 U	< 380 U
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	< 380 U	< 380 U	< 360 U	< 380 U	8.3 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	< 1900 UJ	< 1800 UJ	< 1700 UJ	< 1900 UJ	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 UJ	< 1800 UJ
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	< 380 U	< 380 U	< 360 U	21 J	42 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	12000000000	3526000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	< 380 U	< 380 U	< 360 U	36 J	93 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	< 380 U	< 380 U	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	< 380 U	< 380 U	< 360 U	71 J	190 J	< 360 U	< 370 U	25 J	< 370 U	< 380 U
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 230 UJ	< 230 UJ	< 220 U	< 230 U	< 230 U	< 220 U	< 220 UJ	< 210 UJ	< 230 UJ	< 230 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 700 U	< 690 U	< 650 U	< 700 U	< 700 U	< 660 U	< 660 U	< 630 U	< 680 U	< 690 U
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2300 U	< 2300 U	< 2200 U	< 2300 U	< 2300 U	< 2200 U	< 2200 UJ	< 2100 U	< 2300 U	< 2300 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2300 U	< 2300 U	< 2200 U	< 2300 U	< 2300 U	< 2200 U	< 2200 UJ	< 2100 U	< 2300 U	< 2300 U
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 700 U	< 690 U	< 650 U	< 700 U	< 700 U	< 660 U	< 660 U	< 630 U	< 680 U	< 690 U
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	47000000000	9030000000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U

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Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-08 8-10 6/15/2006 F-17	BF17-08 (DUP) 8-10 6/15/2006 F-17	BF17-08 13-15 6/15/2006 F-17	BF17-09 0-2 6/15/2006 F-17	BF17-09 (DUP) 0-2 6/15/2006 F-17	BF17-09 8-10 6/15/2006 F-17	BF17-09 11-13 6/15/2006 F-17	BF17-10 0-2 6/15/2006 F-17	BF17-10 8-10 6/15/2006 F-17	BF17-10 11.5-13.5 6/15/2006 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 93 UJ	< 92 UJ	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 UJ	< 91 UJ	< 92 UJ
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 UJ	< 1100 UJ	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 UJ	< 1000 UJ	< 1100 UJ	< 1100 UJ
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	5160000000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	130000000	25370000	--	< 46 U	< 46 U	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 230 U	< 230 U	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 93 U	< 92 U	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	< 140 U	< 140 U	< 130 U	< 140 U	< 140 U	< 130 U	< 130 U	< 130 U	< 140 U	< 140 U
GENCHEM																				
Total solids	%	--	--	--	--	--	--	--	--	--	86.2	87.3	92.9	86.1	86.2	90.5	90.2	94.9	88.2	87.2

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION / DEPTH INTERVAL (FT) / SAMPLE DATE / AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-11 0-2 6/14/2006 F-17	BF17-11 8-10 6/14/2006 F-17	BF17-11 13-15 6/14/2006 F-17	BF17-12 0-2 6/14/2006 F-17	BF17-12 8-10 6/14/2006 F-17	BF17-12 13-15 6/14/2006 F-17	BF17-13 0-2 6/14/2006 F-17	BF17-13 8-10 6/14/2006 F-17	BF17-13 (DUP) 8-10 6/14/2006 F-17	BF17-14 0-2 6/14/2006 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																				
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.038 U	< 0.037 U	< 0.039 U	< 0.035 U	< 0.038 U	< 0.035 U	< 0.039 U	< 0.039 U	< 0.038 U
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Metals (USEPA Method 6020A)																				
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	950 J	1200 J	< 1100 UJ	< 1500 UJ	< 1000 UJ	< 1300 UJ	< 1300 UJ	< 1300 UJ	< 1200 UJ	1100 J
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	**6300**	**4800**	3100	**7200**	3000	3500	3700	**6900**	**9200**	**4900**
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	55400	52400	12300	56100	8200	10300	15000	37400	33400	63700
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	260	170	< 110 U	350	< 100 U	< 120 U	< 110 U	210	320	160
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	< 570 U	< 570 U	< 560 U	< 590 U	< 520 U	< 580 U	< 530 U	< 590 U	< 590 U	280 J
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	16500	13200	5000	19300	4500	5400	8000	16800	24400	11400
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	**8100**	**8300**	**2700**	**8600**	**2300**	**2900**	**3300**	**7400**	**7400**	**7100**
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	19700	19000	8100	25700 J	8400	10400	12500	22100	26500	10600
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	8000	7300	3200	11700 J	3200	3900	4900	9200	10800	51300
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	**401000**	**410000**	**217000**	**469000**	**197000**	**270000**	**244000**	**399000**	**401000**	**575000**
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	34 J	23 J	16 J	47	< 35 U	< 38 U	20 J	24 J	31 J	37 J
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	22400	22400	6500	24700	5200	7100	8700	20700	25100	11000
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	130000000	25370000	--	< 570 U	< 570 U	< 560 U	< 590 U	< 520 U	< 580 U	< 530 U	< 590 U	< 590 U	460 J
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	< 570 U	< 570 U	< 560 U	< 590 U	< 520 U	< 580 U	< 530 U	< 590 U	< 590 U	< 570 U
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	< 1100 U	730 J	< 1100 U	840 J	< 1000 U	< 1200 U	780 J	< 1200 U	< 1200 U	< 1100 U
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	23100	16900	8500	23000	8300	9700	13200	19600	24700	16500
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	42700 J	44900 J	25700 J	55200 J	25100 J	27400 J	19500 J	49000 J	77600 J	39800 J
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	17 J
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	19 J
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	25 J

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-11 0-2 6/14/2006 F-17	BF17-11 8-10 6/14/2006 F-17	BF17-11 13-15 6/14/2006 F-17	BF17-12 0-2 6/14/2006 F-17	BF17-12 8-10 6/14/2006 F-17	BF17-12 13-15 6/14/2006 F-17	BF17-13 0-2 6/14/2006 F-17	BF17-13 8-10 6/14/2006 F-17	BF17-13 (DUP) 8-10 6/14/2006 F-17	BF17-14 0-2 6/14/2006 F-17
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	16 J
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	13 J
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	< 370 U	22 J	22 J	47 J	22 J	< 380 U	< 350 U	39 J	22 J	44 J
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	47000000000	9030000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	670000000	124700000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	23 J
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	14 J	< 390 U	28 J
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1900 UJ	< 1700 UJ	< 1900 UJ	< 1700 UJ	< 1900 UJ	< 1900 UJ	< 1800 UJ
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	13 J
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	12000000000	3526000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	16 J	< 390 U	18 J
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	< 370 U	< 380 U	< 370 U	< 390 U	< 350 U	< 380 U	< 350 U	14 J	< 390 U	30 J
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 680 U	< 680 U	< 650 U	< 710 U	< 700 U	< 670 U	< 600 U	< 700 U	< 700 U	< 660 U
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2300 U	< 2300 U	< 2200 U	< 2400 U	< 2300 U	< 2200 U	< 2000 U	< 2300 U	< 2300 U	< 2200 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2300 U	< 2300 U	< 2200 U	< 2400 U	< 2300 U	< 2200 U	< 2000 U	< 2300 U	< 2300 U	< 2200 U
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 680 UJ	< 680 U	< 650 U	< 710 UJ	< 700 UJ	< 670 UJ	< 600 UJ	< 700 UJ	< 700 UJ	< 660 U
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	47000000000	9030000000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-11 0-2 6/14/2006 F-17	BF17-11 8-10 6/14/2006 F-17	BF17-11 13-15 6/14/2006 F-17	BF17-12 0-2 6/14/2006 F-17	BF17-12 8-10 6/14/2006 F-17	BF17-12 13-15 6/14/2006 F-17	BF17-13 0-2 6/14/2006 F-17	BF17-13 8-10 6/14/2006 F-17	BF17-13 (DUP) 8-10 6/14/2006 F-17	BF17-14 0-2 6/14/2006 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 1100 U	< 1100 U	< 1100 U
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 91 UJ	< 91 U	< 87 U	< 94 UJ	< 93 UJ	< 89 UJ	< 80 UJ	< 94 UJ	< 94 UJ	< 88 U
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 1100 U	< 1100 U	< 1100 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	65 J	< 1100 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 1100 U	< 1100 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	51600000000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	130000000	25370000	--	< 45 U	< 46 U	< 43 U	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 230 U	< 230 U	< 220 U	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 91 U	< 91 U	< 87 U	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	32 J	< 140 U	< 130 U	31 J	< 140 U	30 J	< 120 U	32 J	32 J	< 130 U
GENCHEM																				
Total solids	%	--	--	--	--	--	--	--	--	--	88.3	87.8	89.6	85.1	95.3	86.4	93.5	85.4	85.3	87.6

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SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-14 8-10 6/14/2006 F-17	BF17-14 23-25 6/14/2006 F-17	BF17-15 0-2 6/14/2006 F-17	BF17-15 8-10 6/14/2006 F-17	BF17-15 (DUP) 8-10 6/14/2006 F-17	BF17-15 12.5-14.5 6/14/2006 F-17	BF17-16 0-2 6/14/2006 F-17	BF17-16 8-10 6/14/2006 F-17	BF17-16 11-13 6/14/2006 F-17	BF17-17 0-2 6/14/2006 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																				
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	0.032 J	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	< 0.034 U	0.032 J	< 0.037 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.04 U	< 0.038 U	< 0.037 U
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Metals (USEPA Method 6020A)																				
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	840 J	< 1000 UJ	< 1500 UJ	< 1100 UJ	< 1100 UJ	< 1200 UJ	1200 J	1300 J	1300 J	830 J
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	4300	2900	5400	4500	4700	6800	8200	7100	4600	4300
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	38800	5600	52100	40000	38700	47600	48300	55500	45200	33000
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	140	< 100 U	150	150	150	250	290	330	200	77 J
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	< 570 U	< 520 U	520 J	< 560 U	< 560 U	< 570 U	< 570 U	< 610 U	< 580 U	< 560 U
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	12200	3900	13200	13100	12900	14800	17200	17900	13400	12300
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	6000	1800	6400	6600	6500	7700	8500	11200	7700	6500
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	13600	4400	18900	15300	14600	21400	22600	23200	18200	11400
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	6100	2700	30100	6500	6400	7500	11400	9900	7300	9100
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	326000	107000	355000	331000	344000	367000	429000	526000	380000	325000
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	21 J	< 34 U	30 J	27 J	19 J	27 J	25 J	47	19 J	36 J
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	15900	4300	14700	17400	16500	21100	25300	27900	19700	14000
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	130000000	25370000	--	< 570 U	< 520 U	< 540 U	< 560 U	< 560 U	< 570 U	< 570 U	< 610 U	< 580 U	< 560 U
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	< 570 U	< 520 U	< 540 U	< 560 U	< 560 U	< 570 U	< 570 U	< 610 U	< 580 U	< 560 U
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	< 1100 U	< 1000 U	< 1100 U	< 1100 U	810 J	< 1100 U	< 1100 U	660 J	< 1200 U	< 1100 U
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	15900	7000	18600	17600	17100	19200	23800	23600	18300	17700
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	35500 J	21100 J	51200 J	40000 J	39200 J	55100 J	53700 J	53000 J	50100 J	31300 J
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	< 370 U	< 340 U	43 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	< 1700 UJ	< 1700 U	< 1800 UJ	< 1800 U	< 1800 U	< 1800 UJ	< 1900 U	< 1800 U	< 1800 U
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	< 370 U	< 340 U	21 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	< 370 U	< 340 U	39 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 370 U	< 340 U	100 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	< 370 U	< 340 U	100 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 370 U	< 340 U	140 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-14 8-10 6/14/2006 F-17	BF17-14 23-25 6/14/2006 F-17	BF17-15 0-2 6/14/2006 F-17	BF17-15 8-10 6/14/2006 F-17	BF17-15 (DUP) 8-10 6/14/2006 F-17	BF17-15 12.5-14.5 6/14/2006 F-17	BF17-16 0-2 6/14/2006 F-17	BF17-16 8-10 6/14/2006 F-17	BF17-16 11-13 6/14/2006 F-17	BF17-17 0-2 6/14/2006 F-17
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	< 370 U	< 340 U	66 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	< 370 U	< 340 U	43 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	< 370 U	< 340 UJ	< 360 U	< 370 UJ	< 370 U	< 380 U	< 370 UJ	< 400 U	< 380 U	< 370 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	43 J	28 J	36 J	45 J	22 J	< 380 U	20 J	45 J	38 J	21 J
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	47000000000	9030000000	--	< 370 U	< 340 U	40 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	670000000	124700000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	< 370 U	< 340 U	25 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	< 370 U	< 340 U	110 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	< 370 U	< 340 U	22 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	< 370 U	< 340 U	26 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	< 370 U	< 340 U	210 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	< 370 U	< 340 U	24 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	< 1800 UJ	< 1700 U	< 1700 UJ	< 1800 U	< 1800 UJ	< 1800 U	< 1800 U	< 1900 UJ	< 1800 UJ	< 1800 UJ
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	< 370 U	< 340 U	57 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	12000000000	3526000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	< 370 U	< 340 U	22 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	< 370 U	< 340 U	190 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	< 370 U	< 340 U	< 360 U	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	< 370 U	< 340 U	170 J	< 370 U	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 680 U	< 710 U	73 J	< 670 U	< 670 U	< 690 U	< 670 U	< 730 U	< 690 U	< 710 U
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2300 U	< 2400 U	< 3000 U	< 2200 U	< 2200 U	< 2300 U	< 2200 U	< 2400 U	< 2300 U	< 2400 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2300 U	< 2400 U	< 3000 U	< 2200 U	< 2200 U	< 2300 U	< 2200 U	< 2400 U	< 2300 U	< 2400 U
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 680 U	< 710 U	160 J	< 670 U	< 670 U	< 690 UJ	< 670 U	< 730 U	< 690 U	< 710 U
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	47000000000	9030000000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 45 U	< 47 U	< 60 U	64	67	**110**	< 44 U	< 48 U	< 46 U	< 47 U
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	29 J	< 44 U	< 48 U	< 46 U	< 47 U

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Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-14 8-10 6/14/2006 F-17	BF17-14 23-25 6/14/2006 F-17	BF17-15 0-2 6/14/2006 F-17	BF17-15 8-10 6/14/2006 F-17	BF17-15 (DUP) 8-10 6/14/2006 F-17	BF17-15 12.5-14.5 6/14/2006 F-17	BF17-16 0-2 6/14/2006 F-17	BF17-16 8-10 6/14/2006 F-17	BF17-16 11-13 6/14/2006 F-17	BF17-17 0-2 6/14/2006 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	94 J	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1200 U	< 1100 U	< 1100 U
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 UJ	< 89 U	< 97 U	< 92 U	< 94 U
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 45 U	< 47 U	13 J	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1400 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1200 U	< 1100 U	< 1100 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 1100 U	170 J	< 1100 U	< 1100 U	< 1100 U	67 J	< 1200 U	< 1100 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	< 45 U	< 47 U	2200	< 45 U	< 45 U	< 46 U	35 J	< 48 U	< 46 U	< 47 U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	51600000000	--	< 91 U	< 94 U	61 J	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 45 U	< 47 U	< 60 U	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	130000000	25370000	--	< 45 U	< 47 U	30 J	< 45 U	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 230 U	< 240 U	< 300 U	< 220 U	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 91 U	< 94 U	< 120 U	< 89 U	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	< 140 U	< 140 U	160 J	< 130 U	< 130 U	< 140 U	30 J	< 150 U	31 J	< 140 U
GENCHEM																				
Total solids	%	--	--	--	--	--	--	--	--	--	88.3	96.8	92.0	89.5	89.1	87.0	88.3	82.6	86.7	89.9

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Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-17 8-10 6/14/2006 F-17	BF17-18 0-2 11/3/2006 F-17	BF17-18 8-10 11/3/2006 F-17	BF17-18 25-27 11/3/2006 F-17	BF17-19 0-2 11/3/2006 F-17	BF17-19 8-10 11/3/2006 F-17	BF17-19 25-27 11/3/2006 F-17	BF17-20 0-2 11/3/2006 F-17	BF17-20 8-10 11/3/2006 F-17	BF17-20 24-26 11/3/2006 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																					
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	< 0.037 U	--	--	--	--	--	--	--	--	--
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Metals (USEPA Method 6020A)																					
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	1400 J	--	--	--	--	--	--	--	--	--
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	4100	--	--	--	--	--	--	--	--	--
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	37000	--	--	--	--	--	--	--	--	--
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	130	--	--	--	--	--	--	--	--	--
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	< 560 U	--	--	--	--	--	--	--	--	--
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	11200	--	--	--	--	--	--	--	--	--
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	**5900**	--	--	--	--	--	--	--	--	--
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	14000	--	--	--	--	--	--	--	--	--
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	5800	--	--	--	--	--	--	--	--	--
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	**327000**	--	--	--	--	--	--	--	--	--
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	22 J	--	--	--	--	--	--	--	--	--
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	15800	--	--	--	--	--	--	--	--	--
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	130000000	25370000	--	< 560 U	--	--	--	--	--	--	--	--	--
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	< 560 U	--	--	--	--	--	--	--	--	--
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	< 1100 U	--	--	--	--	--	--	--	--	--
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	14400	--	--	--	--	--	--	--	--	--
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	36500 J	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																					
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	< 370 U	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	< 370 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	< 370 U	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	< 370 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	< 370 U	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	< 370 U	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	< 370 U	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	< 1800 U	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	< 1800 U	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	< 1800 U	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	< 370 U	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--

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Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	< 370 U	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	< 370 U	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	43 J	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	47000000000	9030000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	670000000	124700000	--	< 370 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	< 370 U	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	< 370 U	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	< 370 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	< 370 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	< 1800 UJ	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	< 370 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	12000000000	3526000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	< 370 U	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	< 370 U	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	< 370 U	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	< 370 U	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	< 370 U	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	< 370 U	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 680 U	< 600 U	< 670 U	< 700 U	< 640 U	< 680 U	< 730 U	< 760 U	< 680 U	< 760 U
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2300 U	< 2000 U	< 2200 U	< 2300 U	< 2100 U	< 2300 U	< 2400 U	< 2500 U	< 2300 U	< 2500 U
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2300 U	< 2000 U	< 2200 U	< 2300 U	< 2100 U	< 2300 U	< 2400 U	< 2500 U	< 2300 U	< 2500 U
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 680 U	< 600 U	< 670 U	< 700 U	< 640 U	< 680 U	< 730 U	< 760 U	< 680 U	< 760 U
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	47000000000	9030000000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	27 J	< 51 U
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U

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Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-17 8-10 6/14/2006 F-17	BF17-18 0-2 11/3/2006 F-17	BF17-18 8-10 11/3/2006 F-17	BF17-18 25-27 11/3/2006 F-17	BF17-19 0-2 11/3/2006 F-17	BF17-19 8-10 11/3/2006 F-17	BF17-19 25-27 11/3/2006 F-17	BF17-20 0-2 11/3/2006 F-17	BF17-20 8-10 11/3/2006 F-17	BF17-20 24-26 11/3/2006 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 960 U	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1200 U	13 J	< 1100 U	< 1200 U
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 90 U	< 80 UJ	< 90 UJ	< 93 UJ	< 85 UJ	< 90 UJ	< 98 UJ	< 100 UJ	< 90 UJ	< 100 UJ
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 960 U	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1200 U	< 1200 U	< 1100 U	< 1200 U
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1100 U	< 960 U	< 1100 U	< 1100 U	18 J	< 1100 U	< 1200 U	28 J	< 1100 U	< 1200 U
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	< 45 U	< 40 U	< 45 U	< 46 U	55	< 45 U	< 49 U	74	< 45 U	< 51 U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	5160000000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	19 J	< 90 U	< 100 U
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	130000000	25370000	--	< 45 U	< 40 U	< 45 U	< 46 U	13 J	< 45 U	< 49 U	< 50 U	25 J	< 51 U
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	< 140 U	< 120 U	< 130 U	< 140 U	21 J	< 140 U	< 150 U	31 J	< 140 U	< 150 U
GENCHEM																				
Total solids	%	--	--	--	--	--	--	--	--	--	88.8	91.0	89.1	91.3	88.0	88.6	93.3	87.9	88.5	88.2

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Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-21 0-2 11/3/2006 F-17	BF17-21 8-10 11/3/2006 F-17	BF17-21 24-26 11/3/2006 F-17	BF17-21RE 0-1 11/8/2023 F-17	BF17-21RE 2-3 11/8/2023 F-17	BF17-21RE 4-5 11/8/2023 F-17
Polychlorinated Biphenyls (PCBs, USEPA Method SW8082A)																
Aroclor-1016 (PCB-1016)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Total PCBs (Realm/Encore)	mg/kg	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Metals (USEPA Method 6020A)																
Antimony	ug/kg	--	94000	4300	4300	180000	670000	13000000	2537000	--	--	--	--	--	--	--
Arsenic	ug/kg	5800	4600	4600	4600	7600	37000	720000	391300	--	--	--	--	--	--	--
Barium	ug/kg	75000	--	1300000	1300000	37000000	130000000	330000000	64500000	--	--	--	--	--	--	--
Beryllium	ug/kg	--	--	51000	51000	410000	1600000	1300000	253700	--	--	--	--	--	--	--
Cadmium	ug/kg	1200	--	6000	6000	550000	2100000	1700000	946000	--	--	--	--	--	--	--
Chromium	ug/kg	18000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt	ug/kg	6800	2000	800	2000	2600000	9000000	13000000	2537000	--	--	--	--	--	--	--
Copper	ug/kg	32000	--	5800000	5800000	20000000	73000000	130000000	25370000	--	--	--	--	--	--	--
Lead	ug/kg	21000	--	700000	700000	400000	900000	100000000	18920000	--	--	--	--	--	--	--
Manganese	ug/kg	440000	--	1000	1000	25000000	90000000	3300000	645000	--	--	--	--	--	--	--
Mercury	ug/kg	130	50	1700	1700	160000	580000	20000000	3784000	--	--	--	--	--	--	--
Nickel	ug/kg	20000	--	100000	100000	40000000	150000000	13000000	6880000	--	--	--	--	--	--	--
Selenium	ug/kg	410	400	4000	4000	2600000	9600000	130000000	25370000	--	--	--	--	--	--	--
Silver	ug/kg	1000	100	4500	13000	2500000	9000000	6700000	1247000	--	--	--	--	--	--	--
Thallium	ug/kg	--	4200	2300	2300	35000	130000	13000000	2537000	--	--	--	--	--	--	--
Vanadium	ug/kg	--	430000	72000	990000	750000	5500000	--	--	--	--	--	--	--	--	--
Zinc	ug/kg	47000	--	2400000	5000000	170000000	630000000	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	39000	110000	23000000	73000000	23000000000	4300000000	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	330	2400	9400	710000	3300000	1000000000	559000000	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330	1500	4200	660000	3900000	5100000000	989000000	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	7600	7400	20000	11000000	36000000	4700000000	903000000	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	430	640	48000	220000	16000000	8600000	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	ug/kg	--	--	620000	1800000	56000000	180000000	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	360	900	2600	1400000	4500000	1200000000	227900000	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	400	1200	630000	2000000	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	ug/kg	--	2000	2000	2000	6600	30000	6500000	3526000	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	830	830	79000	260000	130000000	25370000	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	280	5800	16000	4500000	15000000	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	8700	300000	880000	41000000	130000000	14000000000	2666000000	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	5900	17000	1600000	5200000	2300000000	430000000	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	30000	88000	47000000	150000000	33000000000	6020000000	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	41000	41000	230000000	730000000	67000000000	12470000000	--	--	--	--	--	--	--
Atrazine	ug/kg	--	150	60	60	71000	330000	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	--	--	--	--	20000	80000	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	--	--	2000	8000	1500000	817000	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	--	--	20000	80000	--	--	--	--	--	--	--	--	--

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RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-21 0-2 11/3/2006 F-17	BF17-21 8-10 11/3/2006 F-17	BF17-21 24-26 11/3/2006 F-17	BF17-21RE 0-1 11/8/2023 F-17	BF17-21RE 2-3 11/8/2023 F-17	BF17-21RE 4-5 11/8/2023 F-17
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	2500000	7000000	800000000	150500000	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	--	--	200000	800000	--	--	--	--	--	--	--	--	--
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	ug/kg	--	100	100	170	13000	58000	9400000	5160000	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	2800000	12000000	700000000	382700000	--	--	--	--	--	--	--
Butyl benzylphthalate (BBP)	ug/kg	--	120000	2200000	5000000	36000000	120000000	47000000000	9030000000	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	120000	340000	53000000	310000000	670000000	124700000	--	--	--	--	--	--	--
Carbazole	ug/kg	--	1100	9400	39000	530000	2400000	62000000	33540000	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	2000000	8000000	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	2000	8000	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	1700	--	--	--	--	6700000	1247000	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	2200	110000	320000	170000000	550000000	3300000000	645000000	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	1500000	4200000	1000000000	1000000000	3300000000	645000000	--	--	--	--	--	--	--
Di-n-butylphthalate (DBP)	ug/kg	--	11000	960000	2700000	27000000	87000000	3300000000	645000000	--	--	--	--	--	--	--
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	100000000	290000000	6900000	20000000	31000000000	6020000000	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	5500	730000	730000	46000000	130000000	9300000000	1763000000	--	--	--	--	--	--	--
Fluorene	ug/kg	--	5300	390000	890000	27000000	87000000	9300000000	1763000000	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	350	1800	1800	8900	37000	6800000	3655000	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	91	26000	72000	100000	470000	140000000	77400000	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	320000	320000	2300000	6700000	13000000	2537000	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	1800	430	1200	230000	730000	230000000	43000000	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	20000	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	26000	15000	62000	4800000	22000000	120000000000	3526000000	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	3600	330	330	100000	340000	47000000	9030000	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	ug/kg	--	--	330	330	1200	5400	1600000	860000	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	ug/kg	--	--	5400	22000	1700000	7800000	2200000000	1204000000	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	22	22	90000	320000	100000000	55900000	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	2100	56000	160000	1600000	5200000	6700000	1247000	--	--	--	--	--	--	--
Phenol	ug/kg	--	9000	88000	260000	40000000	230000000	40000000000	7740000000	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	480000	480000	29000000	84000000	6700000000	1247000000	--	--	--	--	--	--	--
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																
1,1,1-Trichloroethane	ug/kg	--	1800	4000	4000	500000000	1000000000	67000000000	12470000000	--	< 43 U	< 47 U	< 51 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	1600	170	700	53000	240000	54000000	29240000	--	< 86 U	< 93 U	< 100 U	--	--	--
1,1,2-Trichloroethane	ug/kg	--	6600	100	100	180000	840000	190000000	107500000	--	< 43 U	< 47 U	< 51 U	--	--	--
1,1-Dichloroethane	ug/kg	--	15000	18000	50000	27000000	87000000	33000000000	6450000000	--	< 43 U	< 47 U	< 51 U	--	--	--
1,1-Dichloroethene	ug/kg	--	2600	140	140	200000	660000	62000000	33540000	--	< 43 U	< 47 U	< 51 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	5900	4200	4200	990000	5800000	25000000000	4730000000	--	< 210 U	< 230 U	< 260 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	570	2100	2100	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	--	--	10	10	4400	20000	560000	301000	--	< 210 U	< 230 U	< 260 U	--	--	--
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	--	110	20	20	92	430	14000000	7740000	--	< 210 U	< 230 U	< 260 U	--	--	--
1,2-Dichlorobenzene	ug/kg	--	280	14000	14000	19000000	63000000	1E+11	18920000000	--	< 86 U	< 93 U	< 100 U	--	--	--
1,2-Dichloroethane	ug/kg	--	7200	100	100	91000	420000	120000000	64500000	--	< 43 U	< 47 U	< 51 U	--	--	--
1,2-Dichloropropane	ug/kg	--	4600	100	100	140000	660000	270000000	51600000	--	< 43 U	< 47 U	< 51 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	1100	1800	1800	32000000	100000000	82000000000	15480000000	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	680	170	480	200000	660000	200000000	37840000	--	< 86 U	< 93 U	< 100 U	--	--	--
1,4-Dichlorobenzene	ug/kg	--	360	1700	1700	400000	1900000	450000000	245100000	--	< 86 U	< 93 U	< 100 U	--	--	--
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	--	44000	260000	760000	120000000	700000000	67000000000	12470000000	--	< 640 U	< 700 U	< 770 U	--	--	--
2-Hexanone	ug/kg	--	--	20000	58000	32000000	100000000	2700000000	516000000	--	< 2100 U	< 2300 U	< 2600 U	--	--	--
2-Methylnaphthalene	ug/kg	--	4200	57000	170000	8100000	26000000	670000000	124700000	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	--	--	1600	4600	2500000	8000000	400000000	77400000	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	--	--	--	--	56000000	--	1.4E+11	--	--	< 2100 U	< 2300 U	< 2600 U	--	--	--
Acetone	ug/kg	--	34000	15000	42000	23000000	73000000	3.9E+11	73100000000	--	< 640 U	< 700 U	< 770 U	--	--	--
Benzene	ug/kg	--	4000	100	100	180000	840000	380000000	202100000	--	< 43 U	< 47 U	< 51 U	--	--	--
Bromodichloromethane	ug/kg	--	--	1600	1600	110000	490000	84000000	47300000	--	< 86 U	< 93 U	< 100 U	--	--	--
Bromoform	ug/kg	--	--	1600	1600	820000	3800000	2800000000	1548000000	--	< 86 U	< 93 U	< 100 U	--	--	--
Bromomethane (Methyl bromide)	ug/kg	--	100	200	580	320000	1000000	330000000	64500000	--	< 210 U	< 230 U	< 260 U	--	--	--
Carbon disulfide	ug/kg	--	--	16000	46000	7200000	43000000	470000000000	9030000000	--	< 210 U	< 230 U	< 260 U	--	--	--
Carbon tetrachloride	ug/kg	--	760	100	100	96000	440000	130000000	73100000	--	< 43 U	< 47 U	< 51 U	--	--	--
Chlorobenzene	ug/kg	--	500	2000	2000	4300000	14000000	4700000000	903000000	--	< 43 U	< 47 U	< 51 U	--	--	--
Chloroethane	ug/kg	--	22000	8600	34000	2600000	12000000	6.7E+11	1.247E+11	--	< 210 U	< 230 U	< 260 U	--	--	--
Chloroform (Trichloromethane)	ug/kg	--	7000	1600	1600	1200000	5500000	1300000000	688000000	--	< 43 U	< 47 U	< 51 U	--	--	--

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Statewide Default Background Levels green shade	MI Soil GSIP red text	MI Soil Residential DWP bold	MI Soil Nonresidential DWP gray shade	MI Soil Residential DC underline	MI Soil Nonresidential DC italics	Residential Particulate Soil Inhalation Criteria (PSIC) green text	Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER blue shade	TSCA PCB Clean-Up Criteria Pink shade	BF17-21 0-2 11/3/2006 F-17	BF17-21 8-10 11/3/2006 F-17	BF17-21 24-26 11/3/2006 F-17	BF17-21RE 0-1 11/8/2023 F-17	BF17-21RE 2-3 11/8/2023 F-17	BF17-21RE 4-5 11/8/2023 F-17
Chloromethane (Methyl chloride)	ug/kg	--	--	5200	22000	1600000	7400000	4900000000	1118000000	--	< 210 U	< 230 U	< 260 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	12000	1400	1400	2500000	8000000	2300000000	430000000	--	< 43 U	< 47 U	< 51 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 43 U	< 47 U	< 51 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	< 1000 U	< 1100 U	< 1200 U	--	--	--
Dibromochloromethane	ug/kg	--	--	1600	1600	110000	500000	130000000	68800000	--	< 43 U	< 47 U	< 51 U	--	--	--
Dichlorodifluoromethane (CFC-12)	ug/kg	--	--	95000	270000	52000000	170000000	3.3E+12	6.45E+11	--	< 86 UJ	< 93 UJ	< 100 UJ	--	--	--
Ethylbenzene	ug/kg	--	360	1500	1500	22000000	71000000	10000000000	5590000000	--	< 43 U	< 47 U	< 51 U	--	--	--
Isopropyl benzene	ug/kg	--	3200	91000	260000	25000000	80000000	5800000000	1118000000	--	< 210 U	< 230 U	< 260 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	< 1000 U	< 1100 U	< 1200 U	--	--	--
Methyl cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	20 J	< 1100 U	< 1200 U	--	--	--
Methyl tert butyl ether (MTBE)	ug/kg	--	140000	800	800	1500000	7100000	2E+11	37840000000	--	< 210 U	< 230 U	< 260 U	--	--	--
Methylene chloride	ug/kg	--	30000	100	100	1300000	5800000	6600000000	3569000000	--	< 210 U	< 230 U	< 260 U	--	--	--
Naphthalene	ug/kg	--	730	35000	100000	16000000	52000000	200000000	37840000	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	2000000000	378400000	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1600	4600	2500000	8000000	1300000000	253700000	--	--	--	--	--	--	--
Styrene	ug/kg	--	2100	2700	2700	400000	1900000	5500000000	2967000000	--	< 43 U	< 47 U	< 51 U	--	--	--
Tetrachloroethene	ug/kg	--	1200	100	100	200000	930000	2700000000	516000000	--	88	< 47 U	< 51 U	<60U [<80U]	<60U	<70U
Toluene	ug/kg	--	5400	16000	16000	50000000	160000000	27000000000	5160000000	--	< 86 U	< 93 U	< 100 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	30000	2000	2000	3800000	12000000	4700000000	903000000	--	< 43 U	< 47 U	< 51 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	< 43 U	< 47 U	< 51 U	--	--	--
Trichloroethene	ug/kg	--	4000	100	100	110000	660000	130000000	25370000	--	< 43 U	< 47 U	< 51 U	--	--	--
Trichlorofluoromethane (CFC-11)	ug/kg	--	--	52000	150000	79000000	260000000	3.8E+12	7.31E+11	--	< 86 U	< 93 U	< 100 U	--	--	--
Trifluorotrichloroethane (Freon 113)	ug/kg	--	1700	9000000	9000000	1000000000	1000000000	5.1E+12	9.89E+11	--	< 210 U	< 230 U	< 260 U	--	--	--
Vinyl chloride	ug/kg	--	260	40	40	3800	34000	350000000	382700000	--	< 86 U	< 93 U	< 100 U	--	--	--
Xylene (total)	ug/kg	--	980	5600	5600	410000000	1000000000	2.9E+11	55900000000	--	18 J	< 140 U	< 150 U	--	--	--
GENCHEM																
Total solids	%	--	--	--	--	--	--	--	--	--	87.5	85.8	87.4	--	--	--

Table 1
Soil Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

Notes:
1) Criteria listed are from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Clean Up Criteria Requirements Table 2: Residential Soil Criteria, Table 3: Nonresidential Soil Criteria, Part 201 Generic Cleanup Criteria and Screening Levels, October 2023. PCB criteria listed are from USEPA PCB Site Revitalization Guidance Under the TSCA, Table 2, November 2005.
2) Values in green shade denotes exceedance and/or equal to Statewide Default Background Levels.
3) Values in red text denotes exceedance and/or equal to Michigan Soil GSIP Criteria.
4) Values in bold denotes exceedance and/or equal to Michigan Soil Residential Drinking Water Protection Criteria.
5) Values in gray shade denotes exceedance and/or equal to Michigan Soil Nonresidential Drinking Water Protection Criteria.
6) Values underlined denotes exceedance and/or equal to Michigan Soil Residential Direct Contact Criteria.
7) Values italicized denotes exceedance and/or equal to Michigan Soil Nonresidential Direct Contact Criteria.
8) Values in green text denotes exceedance and/or equal to Residential Particulate Soil Inhalation Criteria (PSIC).
9) Values in blue shade denotes exceedance and/or equal to Nonresidential Particulate Soil Inhalation Criteria (PSIC) WITH 0.43 MODIFIER.
10) Values in pink shade denotes exceedance and/or equal to TSCA PCB Clean-Up Criteria

Abbreviations:

MI	Michigan
NR	Non-Residential
PCB	Polychlorinated biphenyls
PSIC	Particulate Soil Inhalation Criteria
Res	Residential
SSVIAC	Site-Specific Volatilization to Indoor Air Criteria
SOG	Slab-On-Grade scenario
TSCA	Toxic Substances Control Act
U	Result not detected above method detection limit.
USEPA	United States Environmental Protection Agency
VIAP	Volatilization to Indoor Air Pathway
<50k	Building less than 50,000 square feet
>50k	Building greater than 50,000 square feet
ft	feet
mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram
<	Not detected
--	No data

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-01 0-2 6/14/2006 F-17	BF17-01 8-10 6/14/2006 F-17	BF17-01 13-15 6/14/2006 F-17	BF17-02 0-2 6/14/2006 F-17	BF17-02 8-10 6/14/2006 F-17	BF17-02 (DUP) 8-10 6/14/2006 F-17	BF17-02 18-20 6/14/2006 F-17	BF17-03 0-2 6/14/2006 F-17	BF17-04 0-2 6/15/2006 F-17	BF17-04 8-10 6/15/2006 F-17	BF17-04 13-15 6/15/2006 F-17
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Chloronaphthalene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Chlorophenol	ug/kg	**12000**	140000	12000	12000	280000	*190000*	420000	280000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 UJ	< 1800 UJ	< 1800 UJ
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U
Acenaphthene	ug/kg	**200000**	3600000	210000	200000	7200000	*4800000*	11000000	7200000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Acetophenone	ug/kg	**620000**	7400000	620000	620000	7400000	*4900000*	11000000	7400000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Anthracene	ug/kg	**13000000**	220000000	13000000	13000000	440000000	*290000000*	660000000	440000000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Benzo(a)anthracene	ug/kg	**160000**	11000000	160000	160000	22000000	*15000000*	33000000	22000000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	19 J	< 380 U	< 380 U	< 380 U
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	16 J	< 380 U	< 380 U	< 380 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	19 J	< 380 U	< 380 U	< 380 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	11 J	< 380 U	< 380 U	< 380 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	12 J	< 380 U	< 380 U	< 380 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	**3.4**	96	3.4	3.4	190	*130*	290	190	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	72 J	24 J	25 J	< 390 U	22 J	< 340 U	< 350 U	< 380 U	< 380 U	23 J
Butyl benzylphthalate (BBP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	61 J	< 380 U	< 380 U	< 380 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	18 J	< 380 U	< 380 U	< 380 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Dibenzofuran	ug/kg	**7100000**	130000000	7100000	7100000	250000000	*170000000*	380000000	250000000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	24 J	< 380 U	< 380 U	< 380 U
Fluorene	ug/kg	**470000**	8300000	470000	470000	17000000	*11000000*	25000000	17000000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Hexachlorobenzene	ug/kg	**6.7**	120	6.8	6.7	240	*160*	360	240	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Hexachlorobutadiene	ug/kg	**2.5**	69	2.5	2.5	140	*92*	210	140	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	**0.32**	5.7	0.32	0.32	11	*7.5*	17	11	< 1900 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1900 U	< 1600 U	< 1700 U	< 1800 UJ	< 1800 UJ	< 1800 UJ
Hexachloroethane	ug/kg	**3.2**	92	3.3	3.2	180	*120*	270	180	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	11 J	< 380 U	< 380 U	< 380 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Nitrobenzene	ug/kg	**170**	4800	170	170	9600	*6400*	14000	9600	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Phenanthrene	ug/kg	**1700**	29000	1700	1700	58000	*39000*	88000	58000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	7.7 J	< 380 U	< 380 U	< 380 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Pyrene	ug/kg	**25000000**	440000000	25000000	25000000	880000000	*590000000*	1300000000	880000000	< 380 U	< 390 U	< 340 U	< 390 U	< 390 U	< 390 U	< 340 U	26 J	< 380 U	< 380 U	< 380 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-01 0-2 6/14/2006 F-17	BF17-01 8-10 6/14/2006 F-17	BF17-01 13-15 6/14/2006 F-17	BF17-02 0-2 6/14/2006 F-17	BF17-02 8-10 6/14/2006 F-17	BF17-02 (DUP) 8-10 6/14/2006 F-17	BF17-02 18-20 6/14/2006 F-17	BF17-03 0-2 6/14/2006 F-17	BF17-04 0-2 6/15/2006 F-17	BF17-04 8-10 6/15/2006 F-17	BF17-04 13-15 6/15/2006 F-17
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	**450**	7500	450	450	7500	*5000*	11000	7500	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
1,1,2,2-Tetrachloroethane	ug/kg	**2.7**	77	2.7	2.7	150	*100*	230	150	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
1,1,2-Trichloroethane	ug/kg	**0.37**	6.6	0.37	0.37	13	*8.7*	20	13	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
1,1-Dichloroethane	ug/kg	**2.6**	74	2.6	2.6	150	*99*	220	150	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
1,1-Dichloroethene	ug/kg	**12**	220	12	12	430	*290*	650	430	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
1,2,3-Trimethylbenzene	ug/kg	**270**	4800	270	270	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	**53**	930	53	53	1900	*1200*	2800	1900	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
1,2,4-Trimethylbenzene	ug/kg	**150**	2600	150	150	5200	*3500*	7800	5200	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	**--**	--	--	--	--	--	--	--	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 UJ	< 230 UJ	< 230 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	**0.074**	2.1	0.074	0.074	4.2	*2.8*	6.2	4.2	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
1,2-Dichlorobenzene	ug/kg	**1500**	26000	1500	1500	52000	*35000*	78000	52000	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
1,2-Dichloroethane	ug/kg	**0.82**	23	0.82	0.82	46	*31*	69	46	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
1,2-Dichloropropane	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
1,3,5-Trimethylbenzene	ug/kg	**100**	1800	100	100	3600	*2400*	5400	3600	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	**10**	180	10	10	360	*240*	540	360	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
1,4-Dichlorobenzene	ug/kg	**23**	660	23	23	1300	*870*	2000	1300	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	**31000**	370000	31000	31000	740000	*490000*	1100000	740000	< 700 U	< 650 U	< 640 U	< 710 U	< 720 U	< 700 U	< 700 U	< 590 U	< 690 U	< 680 U	< 680 U
2-Hexanone	ug/kg	**210**	3800	220	210	7600	*5000*	11000	7600	< 2300 U	< 2200 U	< 2100 U	< 2400 U	< 2400 U	< 2300 U	< 2300 U	< 2000 U	< 2300 U	< 2300 U	< 2300 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	**3800**	66000	3800	3800	130000	*88000*	200000	130000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	**3300**	40000	12000	12000	290000	*190000*	440000	290000	< 2300 U	< 2200 U	< 2100 U	< 2400 U	< 2400 U	< 2300 U	< 2300 U	< 2000 U	< 2300 U	< 2300 U	< 2300 U
Acetone	ug/kg	**260000**	3100000	260000	260000	3100000	*2100000*	4600000	3100000	< 1000 UJ	< 850 UJ	< 880 UJ	< 940 UJ	< 1200 UJ	< 1100 UJ	< 1100 UJ	< 850 UJ	< 690 U	< 680 U	< 680 U
Benzene	ug/kg	**1.7**	47	1.7	1.7	94	*63*	140	94	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Bromodichloromethane	ug/kg	**0.61**	16	0.61	0.61	31	*21*	47	31	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
Bromoform	ug/kg	**45**	1300	45	45	2500	*1700*	3800	2500	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
Bromomethane (Methyl bromide)	ug/kg	**0.9**	16	0.9	0.9	32	*21*	47	32	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Carbon disulfide	ug/kg	**52**	920	52	52	1800	*1200*	2700	1800	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Carbon tetrachloride	ug/kg	**0.31**	8.7	0.31	0.31	17	*12*	26	17	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Chlorobenzene	ug/kg	**82**	1400	82	82	2900	*1900*	4300	2900	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Chloroethane	ug/kg	**330**	5800	330	330	12000	*7800*	17000	12000	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Chloroform (Trichloromethane)	ug/kg	**0.26**	7.4	0.26	0.26	15	*9.9*	22	15	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Chloromethane (Methyl chloride)	ug/kg	**6.9**	120	6.9	6.9	240	*160*	370	240	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
cis-1,2-Dichloroethene	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
cis-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Cyclohexane	ug/kg	**320**	5600	320	320	11000	*7400*	17000	11000	< 1100 U	< 1000 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 940 U	< 1100 U	< 1100 U	< 1100 U
Dibromochloromethane	ug/kg	**0.4**	27	0.4	0.4	55	*36*	82	54	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Dichlorodifluoromethane (CFC-12)	ug/kg	**12**	220	12	12	440	*290*	660	440	< 93 UJ	< 87 UJ	< 85 UJ	< 95 UJ	< 96 UJ	< 94 UJ	< 94 UJ	< 78 UJ	< 91 UJ	< 91 UJ	< 91 UJ
Ethylbenzene	ug/kg	**12**	340	12	12	680	*450*	1000	680	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Isopropyl benzene	ug/kg	**3.8**	110	3.8	3.8	210	*140*	320	210	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Methyl acetate	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1000 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 940 U	< 1100 UJ	< 1100 UJ	< 1100 UJ
Methyl cyclohexane	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1000 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 940 U	< 1100 U	< 1100 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	**74**	2100	74	74	4200	*2800*	6300	4200	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Methylene chloride	ug/kg	**130**	2300	130	130	4600	*3000*	6900	4600	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	**550**	9800	560	550	20000	*13000*	29000	20000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	**1800**	21000	1800	1800	21000	*14000*	32000	21000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	**150**	4300	150	150	8600	*5800*	13000	8600	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
tert-Butylbenzene	ug/kg	**0.64**	11	0.64	0.64	23	*15*	34	23	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	**6.2**	74	6.2	6.2	150	*99*	220	150	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Toluene	ug/kg	**3700**	64000	3700	3700	64000	*43000*	96000	64000	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
trans-1,2-Dichloroethene	ug/kg	**12**	210	12	12	420	*280*	630	420	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
trans-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Trichloroethene	ug/kg	**0.33**	4	0.33	0.33	8	*5.3*	12	8	< 47 U	< 43 U	< 42 U	< 47 U	< 48 U	< 47 U	< 47 U	< 39 U	< 46 U	< 46 U	< 46 U
Trichlorofluoromethane (CFC-11)	ug/kg	**19**	340	19	19	670	*450*	1000	670	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
Trifluorotrichloroethane (Freon 113)	ug/kg	**860**	15000	860	860	30000	*20000*	45000	30000	< 230 U	< 220 U	< 210 U	< 240 U	< 240 U	< 230 U	< 230 U	< 200 U	< 230 U	< 230 U	< 230 U
Vinyl chloride	ug/kg	**0.082**	8.2	0.082	0.082	16	*11*	24	16	< 93 U	< 87 U	< 85 U	< 95 U	< 96 U	< 94 U	< 94 U	< 78 U	< 91 U	< 91 U	< 91 U
Xylene (total)	ug/kg	**280**	5000	280	280	9900	*6600*	15000	9900	< 140 U	< 130 U	< 130 U	< 140 U	< 140 U	< 140 U	< 140 U	< 120 U	< 140 U	< 140 U	< 140 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-05 0-2 6/15/2006 F-17	BF17-05 1-3 11/3/2006 F-17	BF17-05 8-10 6/15/2006 F-17	BF17-06 0-2 6/15/2006 F-17	BF17-06 3-5 6/15/2006 F-17	BF17-07 0-2 6/15/2006 F-17	BF17-07 8-10 6/15/2006 F-17	BF17-07 18-20 6/15/2006 F-17	BF17-08 0-2 6/15/2006 F-17	BF17-08 8-10 6/15/2006 F-17	BF17-08 (DUP) 8-10 6/15/2006 F-17
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1900 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Chloronaphthalene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Chlorophenol	ug/kg	**12000**	140000	12000	12000	280000	*190000*	420000	280000	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	110 J	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1900 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
3,3'-Dichlorobenzidine	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1900 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1800 UJ	< 1900 U	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1700 UJ	< 1700 UJ	< 1800 UJ	< 1900 UJ	< 1800 UJ
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1900 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1900 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U	< 1900 U	< 1800 U
Acenaphthene	ug/kg	**200000**	3600000	210000	200000	7200000	*4800000*	11000000	7200000	700	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Acetophenone	ug/kg	**620000**	7400000	620000	620000	7400000	*4900000*	11000000	7400000	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Anthracene	ug/kg	**13000000**	220000000	13000000	13000000	440000000	*290000000*	660000000	440000000	2100	< 390 U	< 370 U	< 370 U	36 J	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Benzo(a)anthracene	ug/kg	**160000**	11000000	160000	160000	22000000	*15000000*	33000000	22000000	3500	< 390 U	< 370 U	< 370 U	87 J	< 380 U	16 J	< 350 U	66 J	< 380 U	< 380 U
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	3000	< 390 U	< 370 U	< 370 U	82 J	< 380 U	< 340 U	< 350 U	85 J	< 380 U	< 380 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	3700	< 390 U	< 370 U	< 370 U	97 J	< 380 U	< 340 U	< 350 U	110 J	< 380 U	< 380 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	1800	< 390 U	< 370 U	< 370 U	43 J	< 380 U	< 340 U	< 350 U	65 J	< 380 U	< 380 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	1500	< 390 U	< 370 U	< 370 U	50 J	< 380 U	< 340 U	< 350 U	59 J	< 380 U	< 380 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	41 J	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
bis(2-Chloroethyl)ether	ug/kg	**3.4**	96	3.4	3.4	190	*130*	290	190	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	22 J	< 380 U	< 340 U	< 350 U	29 J	< 380 U	< 380 U
Butyl benzylphthalate (BBP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	680	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	3400	< 390 U	< 370 U	< 370 U	90 J	< 380 U	15 J	< 350 U	87 J	< 380 U	< 380 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	510	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Dibenzofuran	ug/kg	**7100000**	130000000	7100000	7100000	250000000	*170000000*	380000000	250000000	440	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Di-n-butylphthalate (DBP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	24 J	< 380 U	< 340 U	< 350 U	27 J	< 380 U	< 380 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	8900	24 J	< 370 U	< 370 U	200 J	< 380 U	26 J	< 350 U	120 J	< 380 U	< 380 U
Fluorene	ug/kg	**470000**	8300000	470000	470000	17000000	*11000000*	25000000	17000000	860	< 390 U	< 370 U	< 370 U	15 J	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Hexachlorobenzene	ug/kg	**6.7**	120	6.8	6.7	240	*160*	360	240	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Hexachlorobutadiene	ug/kg	**2.5**	69	2.5	2.5	140	*92*	210	140	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Hexachlorocyclopentadiene	ug/kg	**0.32**	5.7	0.32	0.32	11	*7.5*	17	11	< 1800 UJ	< 1900 U	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1700 UJ	< 1700 UJ	< 1800 UJ	< 1900 UJ	< 1800 UJ
Hexachloroethane	ug/kg	**3.2**	92	3.3	3.2	180	*120*	270	180	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	1700	< 390 U	< 370 U	< 370 U	38 J	< 380 U	< 340 U	< 350 U	55 J	< 380 U	< 380 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	**150 J**	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Nitrobenzene	ug/kg	**170**	4800	170	170	9600	*6400*	14000	9600	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
N-Nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Phenanthrene	ug/kg	**1700**	29000	1700	1700	58000	*39000*	88000	58000	**6900**	24 J	< 370 U	< 370 U	140 J	< 380 U	19 J	< 350 U	28 J	< 380 U	< 380 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	< 380 U	< 390 U	< 370 U	< 370 U	< 370 U	< 380 U	< 340 U	< 350 U	< 380 U	< 380 U	< 380 U
Pyrene	ug/kg	**25000000**	440000000	25000000	25000000	880000000	*590000000*	1300000000	880000000	6500	< 390 U	< 370 U	< 370 U	150 J	< 380 U	22 J	< 350 U	97 J	< 380 U	< 380 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI		Residential Soil VIAP	Nonresidential Soil VIAP	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	BF17-05 0-2 6/15/2006 F-17	BF17-05 1-3 11/3/2006 F-17	BF17-05 8-10 6/15/2006 F-17	BF17-06 0-2 6/15/2006 F-17	BF17-06 3-5 6/15/2006 F-17	BF17-07 0-2 6/15/2006 F-17	BF17-07 8-10 6/15/2006 F-17	BF17-07 18-20 6/15/2006 F-17	BF17-08 0-2 6/15/2006 F-17	BF17-08 8-10 6/15/2006 F-17	BF17-08 (DUP) 8-10 6/15/2006 F-17
Chemical	Units	bold	red text	outline	gold text	underline	italics	gray shade	blue text											
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	**450**	7500	450	450	7500	*5000*	11000	7500	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
1,1,2,2-Tetrachloroethane	ug/kg	**2.7**	77	2.7	2.7	150	*100*	230	150	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
1,1,2-Trichloroethane	ug/kg	**0.37**	6.6	0.37	0.37	13	*8.7*	20	13	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
1,1-Dichloroethane	ug/kg	**2.6**	74	2.6	2.6	150	*99*	220	150	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
1,1-Dichloroethene	ug/kg	**12**	220	12	12	430	*290*	650	430	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
1,2,3-Trimethylbenzene	ug/kg	**270**	4800	270	270	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	**53**	930	53	53	1900	*1200*	2800	1900	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
1,2,4-Trimethylbenzene	ug/kg	**150**	2600	150	150	5200	*3500*	7800	5200	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	**--**	--	--	--	--	--	--	--	< 210 UJ		< 230 UJ	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 UJ	< 230 UJ	< 230 UJ
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	**0.074**	2.1	0.074	0.074	4.2	*2.8*	6.2	4.2	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
1,2-Dichlorobenzene	ug/kg	**1500**	26000	1500	1500	52000	*35000*	78000	52000	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
1,2-Dichloroethane	ug/kg	**0.82**	23	0.82	0.82	46	*31*	69	46	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
1,2-Dichloropropane	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
1,3,5-Trimethylbenzene	ug/kg	**100**	1800	100	100	3600	*2400*	5400	3600	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	**10**	180	10	10	360	*240*	540	360	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
1,4-Dichlorobenzene	ug/kg	**23**	660	23	23	1300	*870*	2000	1300	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	**31000**	370000	31000	31000	740000	*490000*	1100000	740000	< 640 U		< 680 U	< 670 U	< 680 U	< 660 U	< 610 U	< 610 U	< 680 U	< 700 U	< 690 U
2-Hexanone	ug/kg	**210**	3800	220	210	7600	*5000*	11000	7600	< 2100 U		< 2300 U	< 2200 U	< 2300 U	< 2200 U	< 2000 U	< 2000 U	< 2300 U	< 2300 U	< 2300 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	**3800**	66000	3800	3800	130000	*88000*	200000	130000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	**3300**	40000	12000	12000	290000	*190000*	440000	290000	< 2100 U		< 2300 U	< 2200 U	< 2300 U	< 2200 U	< 2000 U	< 2000 U	< 2300 U	< 2300 U	< 2300 U
Acetone	ug/kg	**260000**	3100000	260000	260000	3100000	*2100000*	4600000	3100000	< 640 U		< 680 U	< 670 U	< 680 U	< 660 U	< 610 U	< 610 U	< 680 U	< 700 U	< 690 U
Benzene	ug/kg	**1.7**	47	1.7	1.7	94	*63*	140	94	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Bromodichloromethane	ug/kg	**0.61**	16	0.61	0.61	31	*21*	47	31	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
Bromoform	ug/kg	**45**	1300	45	45	2500	*1700*	3800	2500	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
Bromomethane (Methyl bromide)	ug/kg	**0.9**	16	0.9	0.9	32	*21*	47	32	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Carbon disulfide	ug/kg	**52**	920	52	52	1800	*1200*	2700	1800	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Carbon tetrachloride	ug/kg	**0.31**	8.7	0.31	0.31	17	*12*	26	17	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Chlorobenzene	ug/kg	**82**	1400	82	82	2900	*1900*	4300	2900	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Chloroethane	ug/kg	**330**	5800	330	330	12000	*7800*	17000	12000	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Chloroform (Trichloromethane)	ug/kg	**0.26**	7.4	0.26	0.26	15	*9.9*	22	15	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Chloromethane (Methyl chloride)	ug/kg	**6.9**	120	6.9	6.9	240	*160*	370	240	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
cis-1,2-Dichloroethene	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
cis-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Cyclohexane	ug/kg	**320**	5600	320	320	11000	*7400*	17000	11000	< 1000 U		< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 970 U	< 1100 U	< 1100 U	< 1100 U
Dibromochloromethane	ug/kg	**0.4**	27	0.4	0.4	55	*36*	82	54	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Dichlorodifluoromethane (CFC-12)	ug/kg	**12**	220	12	12	440	*290*	660	440	< 86 UJ		< 91 UJ	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 UJ	< 93 UJ	< 92 UJ
Ethylbenzene	ug/kg	**12**	340	12	12	680	*450*	1000	680	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Isopropyl benzene	ug/kg	**3.8**	110	3.8	3.8	210	*140*	320	210	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Methyl acetate	ug/kg	**--**	--	--	--	--	--	--	--	< 1000 UJ		< 1100 UJ	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 970 U	< 1100 UJ	< 1100 UJ	< 1100 UJ
Methyl cyclohexane	ug/kg	**--**	--	--	--	--	--	--	--	10 J		< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 970 U	< 1100 U	< 1100 U	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	**74**	2100	74	74	4200	*2800*	6300	4200	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Methylene chloride	ug/kg	**130**	2300	130	130	4600	*3000*	6900	4600	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	**550**	9800	560	550	20000	*13000*	29000	20000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	**1800**	21000	1800	1800	21000	*14000*	32000	21000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	**150**	4300	150	150	8600	*5800*	13000	8600	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
tert-Butylbenzene	ug/kg	**0.64**	11	0.64	0.64	23	*15*	34	23	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	**6.2**	74	6.2	6.2	150	*99*	220	150	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Toluene	ug/kg	**3700**	64000	3700	3700	64000	*43000*	96000	64000	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
trans-1,2-Dichloroethene	ug/kg	**12**	210	12	12	420	*280*	630	420	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
trans-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Trichloroethene	ug/kg	**0.33**	4	0.33	0.33	8	*5.3*	12	8	< 43 U		< 45 U	< 45 U	< 45 U	< 44 U	< 41 U	< 40 U	< 46 U	< 46 U	< 46 U
Trichlorofluoromethane (CFC-11)	ug/kg	**19**	340	19	19	670	*450*	1000	670	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
Trifluorotrichloroethane (Freon 113)	ug/kg	**860**	15000	860	860	30000	*20000*	45000	30000	< 210 U		< 230 U	< 220 U	< 230 U	< 220 U	< 200 U	< 200 U	< 230 U	< 230 U	< 230 U
Vinyl chloride	ug/kg	**0.082**	8.2	0.082	0.082	16	*11*	24	16	< 86 U		< 91 U	< 89 U	< 91 U	< 89 U	< 81 U	< 81 U	< 91 U	< 93 U	< 92 U
Xylene (total)	ug/kg	**280**	5000	280	280	9900	*6600*	15000	9900	< 130 U		< 140 U	< 130 U	< 140 U	< 130 U	< 120 U	< 120 U	< 140 U	< 140 U	< 140 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI		Residential Soil VIAP	Nonresidential Soil VIAP	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	BF17-08 13-15 6/15/2006 F-17	BF17-09 0-2 6/15/2006 F-17	BF17-09 (DUP) 0-2 6/15/2006 F-17	BF17-09 8-10 6/15/2006 F-17	BF17-09 11-13 6/15/2006 F-17	BF17-10 0-2 6/15/2006 F-17	BF17-10 8-10 6/15/2006 F-17	BF17-10 11.5-13.5 6/15/2006 F-17	BF17-11 0-2 6/14/2006 F-17	BF17-11 8-10 6/14/2006 F-17	BF17-11 13-15 6/14/2006 F-17
Chemical	Units	bold	red text	outline	gold text	underline	italics	gray shade	blue text											
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2-Chloronaphthalene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2-Chlorophenol	ug/kg	**12000**	140000	12000	12000	280000	*190000*	420000	280000	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
3,3'-Dichlorobenzidine	ug/kg	--	--	--	--	--	--	--	--	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1700 UJ	< 1900 UJ	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 UJ	< 1800 UJ	< 1800 U	< 1800 U	< 1800 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U	< 1800 U
Acenaphthene	ug/kg	**200000**	3600000	210000	200000	7200000	*4800000*	11000000	7200000	< 360 U	< 380 U	7.8 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Acetophenone	ug/kg	**620000**	7400000	620000	620000	7400000	*4900000*	11000000	7400000	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Anthracene	ug/kg	**13000000**	220000000	13000000	13000000	440000000	*290000000*	660000000	440000000	< 360 U	< 380 U	27 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Benzo(a)anthracene	ug/kg	**160000**	11000000	160000	160000	22000000	*15000000*	33000000	22000000	< 360 U	36 J	120 J	< 360 U	< 370 U	22 J	< 370 U	< 380 U	< 370 U	22 J	22 J
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	38 J	87 J	< 360 U	< 370 U	16 J	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	46 J	120 J	< 360 U	< 370 U	19 J	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	53 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	21 J	50 J	< 360 U	< 370 U	16 J	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
bis(2-Chloroethyl)ether	ug/kg	**3.4**	96	3.4	3.4	190	*130*	290	190	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	21 J	< 360 U	< 370 U	< 350 U	< 370 U	21 J	< 370 U	22 J	22 J
Butyl benzylphthalate (BBP)	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	43 J	130 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	16 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Dibenzofuran	ug/kg	**7100000**	130000000	7100000	7100000	250000000	*170000000*	380000000	250000000	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Di-n-butylphthalate (DBP)	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	82 J	220 J	< 360 U	< 370 U	31 J	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Fluorene	ug/kg	**470000**	8300000	470000	470000	17000000	*11000000*	25000000	17000000	< 360 U	< 380 U	8.3 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Hexachlorobenzene	ug/kg	**6.7**	120	6.8	6.7	240	*160*	360	240	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Hexachlorobutadiene	ug/kg	**2.5**	69	2.5	2.5	140	*92*	210	140	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Hexachlorocyclopentadiene	ug/kg	**0.32**	5.7	0.32	0.32	11	*7.5*	17	11	< 1700 UJ	< 1900 UJ	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ
Hexachloroethane	ug/kg	**3.2**	92	3.3	3.2	180	*120*	270	180	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 360 U	21 J	42 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Nitrobenzene	ug/kg	**170**	4800	170	170	9600	*6400*	14000	9600	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
N-Nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Phenanthrene	ug/kg	**1700**	29000	1700	1700	58000	*39000*	88000	58000	< 360 U	36 J	93 J	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	< 360 U	< 380 U	< 380 U	< 360 U	< 370 U	< 350 U	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U
Pyrene	ug/kg	**25000000**	440000000	25000000	25000000	880000000	*590000000*	1300000000	880000000	< 360 U	71 J	190 J	< 360 U	< 370 U	25 J	< 370 U	< 380 U	< 370 U	< 380 U	< 370 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-08 13-15 6/15/2006 F-17	BF17-09 0-2 6/15/2006 F-17	BF17-09 (DUP) 0-2 6/15/2006 F-17	BF17-09 8-10 6/15/2006 F-17	BF17-09 11-13 6/15/2006 F-17	BF17-10 0-2 6/15/2006 F-17	BF17-10 8-10 6/15/2006 F-17	BF17-10 11.5-13.5 6/15/2006 F-17	BF17-11 0-2 6/14/2006 F-17	BF17-11 8-10 6/14/2006 F-17	BF17-11 13-15 6/14/2006 F-17
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	**450**	7500	450	450	7500	*5000*	11000	7500	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
1,1,2,2-Tetrachloroethane	ug/kg	**2.7**	77	2.7	2.7	150	*100*	230	150	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
1,1,2-Trichloroethane	ug/kg	**0.37**	6.6	0.37	0.37	13	*8.7*	20	13	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
1,1-Dichloroethane	ug/kg	**2.6**	74	2.6	2.6	150	*99*	220	150	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
1,1-Dichloroethene	ug/kg	**12**	220	12	12	430	*290*	650	430	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
1,2,3-Trimethylbenzene	ug/kg	**270**	4800	270	270	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	**53**	930	53	53	1900	*1200*	2800	1900	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
1,2,4-Trimethylbenzene	ug/kg	**150**	2600	150	150	5200	*3500*	7800	5200	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	**--**	--	--	--	--	--	--	--	< 220 U	< 230 U	< 230 U	< 220 U	< 220 UJ	< 210 UJ	< 230 UJ	< 230 UJ	< 230 U	< 230 U	< 220 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	**0.074**	2.1	0.074	0.074	4.2	*2.8*	6.2	4.2	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
1,2-Dichlorobenzene	ug/kg	**1500**	26000	1500	1500	52000	*35000*	78000	52000	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
1,2-Dichloroethane	ug/kg	**0.82**	23	0.82	0.82	46	*31*	69	46	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
1,2-Dichloropropane	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
1,3,5-Trimethylbenzene	ug/kg	**100**	1800	100	100	3600	*2400*	5400	3600	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	**10**	180	10	10	360	*240*	540	360	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
1,4-Dichlorobenzene	ug/kg	**23**	660	23	23	1300	*870*	2000	1300	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	**31000**	370000	31000	31000	740000	*490000*	1100000	740000	< 650 U	< 700 U	< 700 U	< 660 U	< 660 U	< 630 U	< 680 U	< 690 U	< 680 U	< 680 U	< 650 U
2-Hexanone	ug/kg	**210**	3800	220	210	7600	*5000*	11000	7600	< 2200 U	< 2300 U	< 2300 U	< 2200 U	< 2200 UJ	< 2100 U	< 2300 U	< 2300 U	< 2300 U	< 2300 U	< 2200 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	**3800**	66000	3800	3800	130000	*88000*	200000	130000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	**3300**	40000	12000	12000	290000	*190000*	440000	290000	< 2200 U	< 2300 U	< 2300 U	< 2200 U	< 2200 UJ	< 2100 U	< 2300 U	< 2300 U	< 2300 U	< 2300 U	< 2200 U
Acetone	ug/kg	**260000**	3100000	260000	260000	3100000	*2100000*	4600000	3100000	< 650 U	< 700 U	< 700 U	< 660 U	< 660 U	< 630 U	< 680 U	< 690 U	< 680 UJ	< 680 U	< 650 U
Benzene	ug/kg	**1.7**	47	1.7	1.7	94	*63*	140	94	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Bromodichloromethane	ug/kg	**0.61**	16	0.61	0.61	31	*21*	47	31	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
Bromoform	ug/kg	**45**	1300	45	45	2500	*1700*	3800	2500	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
Bromomethane (Methyl bromide)	ug/kg	**0.9**	16	0.9	0.9	32	*21*	47	32	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Carbon disulfide	ug/kg	**52**	920	52	52	1800	*1200*	2700	1800	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Carbon tetrachloride	ug/kg	**0.31**	8.7	0.31	0.31	17	*12*	26	17	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Chlorobenzene	ug/kg	**82**	1400	82	82	2900	*1900*	4300	2900	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Chloroethane	ug/kg	**330**	5800	330	330	12000	*7800*	17000	12000	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Chloroform (Trichloromethane)	ug/kg	**0.26**	7.4	0.26	0.26	15	*9.9*	22	15	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Chloromethane (Methyl chloride)	ug/kg	**6.9**	120	6.9	6.9	240	*160*	370	240	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
cis-1,2-Dichloroethene	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
cis-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Cyclohexane	ug/kg	**320**	5600	320	320	11000	*7400*	17000	11000	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1000 U
Dibromochloromethane	ug/kg	**0.4**	27	0.4	0.4	55	*36*	82	54	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Dichlorodifluoromethane (CFC-12)	ug/kg	**12**	220	12	12	440	*290*	660	440	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 UJ	< 91 UJ	< 92 UJ	< 91 UJ	< 91 U	< 87 U
Ethylbenzene	ug/kg	**12**	340	12	12	680	*450*	1000	680	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Isopropyl benzene	ug/kg	**3.8**	110	3.8	3.8	210	*140*	320	210	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Methyl acetate	ug/kg	**--**	--	--	--	--	--	--	--	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 UJ	< 1000 UJ	< 1100 UJ	< 1100 UJ	< 1100 U	< 1100 U	< 1000 U
Methyl cyclohexane	ug/kg	**--**	--	--	--	--	--	--	--	< 1000 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1000 U	< 1100 U	< 1100 U	65 J	< 1100 U	< 1000 U
Methyl tert butyl ether (MTBE)	ug/kg	**74**	2100	74	74	4200	*2800*	6300	4200	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Methylene chloride	ug/kg	**130**	2300	130	130	4600	*3000*	6900	4600	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	**550**	9800	560	550	20000	*13000*	29000	20000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	**1800**	21000	1800	1800	21000	*14000*	32000	21000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	**150**	4300	150	150	8600	*5800*	13000	8600	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
tert-Butylbenzene	ug/kg	**0.64**	11	0.64	0.64	23	*15*	34	23	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	**6.2**	74	6.2	6.2	150	*99*	220	150	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Toluene	ug/kg	**3700**	64000	3700	3700	64000	*43000*	96000	64000	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
trans-1,2-Dichloroethene	ug/kg	**12**	210	12	12	420	*280*	630	420	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
trans-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Trichloroethene	ug/kg	**0.33**	4	0.33	0.33	8	*5.3*	12	8	< 43 U	< 46 U	< 46 U	< 44 U	< 44 U	< 42 U	< 45 U	< 46 U	< 45 U	< 46 U	< 43 U
Trichlorofluoromethane (CFC-11)	ug/kg	**19**	340	19	19	670	*450*	1000	670	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
Trifluorotrichloroethane (Freon 113)	ug/kg	**860**	15000	860	860	30000	*20000*	45000	30000	< 220 U	< 230 U	< 230 U	< 220 U	< 220 U	< 210 U	< 230 U	< 230 U	< 230 U	< 230 U	< 220 U
Vinyl chloride	ug/kg	**0.082**	8.2	0.082	0.082	16	*11*	24	16	< 86 U	< 93 U	< 93 U	< 88 U	< 88 U	< 84 U	< 91 U	< 92 U	< 91 U	< 91 U	< 87 U
Xylene (total)	ug/kg	**280**	5000	280	280	9900	*6600*	15000	9900	< 130 U	< 140 U	< 140 U	< 130 U	< 130 U	< 130 U	< 140 U	< 140 U	32 J	< 140 U	< 130 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-12 0-2 6/14/2006 F-17	BF17-12 8-10 6/14/2006 F-17	BF17-12 13-15 6/14/2006 F-17	BF17-13 0-2 6/14/2006 F-17	BF17-13 8-10 6/14/2006 F-17	BF17-13 (DUP) 8-10 6/14/2006 F-17	BF17-14 0-2 6/14/2006 F-17	BF17-14 8-10 6/14/2006 F-17	BF17-14 23-25 6/14/2006 F-17	BF17-15 0-2 6/14/2006 F-17	BF17-15 8-10 6/14/2006 F-17
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2-Chloronaphthalene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2-Chlorophenol	ug/kg	**12000**	140000	12000	12000	280000	*190000*	420000	280000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	43 J	< 370 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
3,3'-Dichlorobenzidine	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 U	< 1700 U	< 1800 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1900 U	< 1700 U	< 1900 U	< 1700 U	< 1900 U	< 1900 U	< 1800 U	< 1800 U	< 1700 UJ	< 1700 U	< 1800 UJ
Acenaphthene	ug/kg	**200000**	3600000	210000	200000	7200000	*4800000*	11000000	7200000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	21 J	< 370 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Acetophenone	ug/kg	**620000**	7400000	620000	620000	7400000	*4900000*	11000000	7400000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Anthracene	ug/kg	**13000000**	220000000	13000000	13000000	440000000	*290000000*	660000000	440000000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	39 J	< 370 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Benzo(a)anthracene	ug/kg	**160000**	11000000	160000	160000	22000000	*15000000*	33000000	22000000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	17 J	< 370 U	< 340 U	100 J	< 370 U
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	19 J	< 370 U	< 340 U	100 J	< 370 U
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	25 J	< 370 U	< 340 U	140 J	< 370 U
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	16 J	< 370 U	< 340 U	66 J	< 370 U
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	13 J	< 370 U	< 340 U	43 J	< 370 U
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
bis(2-Chloroethyl)ether	ug/kg	**3.4**	96	3.4	3.4	190	*130*	290	190	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 UJ	< 360 U	< 370 UJ
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	--	--	--	--	47 J	22 J	< 380 U	< 350 U	39 J	22 J	44 J	43 J	28 J	36 J	45 J
Butyl benzylphthalate (BBP)	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	40 J	< 370 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	25 J	< 370 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	23 J	< 370 U	< 340 U	110 J	< 370 U
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Dibenzofuran	ug/kg	**7100000**	130000000	7100000	7100000	250000000	*170000000*	380000000	250000000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	22 J	< 370 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Di-n-butylphthalate (DBP)	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	26 J	< 370 U
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	14 J	< 390 U	28 J	< 370 U	< 340 U	210 J	< 370 U
Fluorene	ug/kg	**470000**	8300000	470000	470000	17000000	*11000000*	25000000	17000000	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	24 J	< 370 U
Hexachlorobenzene	ug/kg	**6.7**	120	6.8	6.7	240	*160*	360	240	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Hexachlorobutadiene	ug/kg	**2.5**	69	2.5	2.5	140	*92*	210	140	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Hexachlorocyclopentadiene	ug/kg	**0.32**	5.7	0.32	0.32	11	*7.5*	17	11	< 1900 UJ	< 1700 UJ	< 1900 UJ	< 1700 UJ	< 1900 UJ	< 1900 UJ	< 1800 UJ	< 1800 UJ	< 1700 U	< 1700 UJ	< 1800 U
Hexachloroethane	ug/kg	**3.2**	92	3.3	3.2	180	*120*	270	180	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	13 J	< 370 U	< 340 U	57 J	< 370 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	22 J	< 370 U
Nitrobenzene	ug/kg	**170**	4800	170	170	9600	*6400*	14000	9600	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
N-Nitrosodi-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
N-Nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Phenanthrene	ug/kg	**1700**	29000	1700	1700	58000	*39000*	88000	58000	< 390 U	< 350 U	< 380 U	< 350 U	16 J	< 390 U	18 J	< 370 U	< 340 U	190 J	< 370 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	< 390 U	< 350 U	< 380 U	< 350 U	< 390 U	< 390 U	< 380 U	< 370 U	< 340 U	< 360 U	< 370 U
Pyrene	ug/kg	**25000000**	440000000	25000000	25000000	880000000	*590000000*	1300000000	880000000	< 390 U	< 350 U	< 380 U	< 350 U	14 J	< 390 U	30 J	< 370 U	< 340 U	170 J	< 370 U

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-12 0-2 6/14/2006 F-17	BF17-12 8-10 6/14/2006 F-17	BF17-12 13-15 6/14/2006 F-17	BF17-13 0-2 6/14/2006 F-17	BF17-13 8-10 6/14/2006 F-17	BF17-13 (DUP) 8-10 6/14/2006 F-17	BF17-14 0-2 6/14/2006 F-17	BF17-14 8-10 6/14/2006 F-17	BF17-14 23-25 6/14/2006 F-17	BF17-15 0-2 6/14/2006 F-17	BF17-15 8-10 6/14/2006 F-17
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	**450**	7500	450	450	7500	*5000*	11000	7500	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
1,1,2,2-Tetrachloroethane	ug/kg	**2.7**	77	2.7	2.7	150	*100*	230	150	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
1,1,2-Trichloroethane	ug/kg	**0.37**	6.6	0.37	0.37	13	*8.7*	20	13	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
1,1-Dichloroethane	ug/kg	**2.6**	74	2.6	2.6	150	*99*	220	150	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
1,1-Dichloroethene	ug/kg	**12**	220	12	12	430	*290*	650	430	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
1,2,3-Trimethylbenzene	ug/kg	**270**	4800	270	270	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	**53**	930	53	53	1900	*1200*	2800	1900	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
1,2,4-Trimethylbenzene	ug/kg	**150**	2600	150	150	5200	*3500*	7800	5200	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	**--**	--	--	--	--	--	--	--	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	**0.074**	2.1	0.074	0.074	4.2	*2.8*	6.2	4.2	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
1,2-Dichlorobenzene	ug/kg	**1500**	26000	1500	1500	52000	*35000*	78000	52000	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
1,2-Dichloroethane	ug/kg	**0.82**	23	0.82	0.82	46	*31*	69	46	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
1,2-Dichloropropane	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
1,3,5-Trimethylbenzene	ug/kg	**100**	1800	100	100	3600	*2400*	5400	3600	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	**10**	180	10	10	360	*240*	540	360	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
1,4-Dichlorobenzene	ug/kg	**23**	660	23	23	1300	*870*	2000	1300	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	**31000**	370000	31000	31000	740000	*490000*	1100000	740000	< 710 U	< 700 U	< 670 U	< 600 U	< 700 U	< 700 U	< 660 U	< 680 U	< 710 U	73 J	< 670 U
2-Hexanone	ug/kg	**210**	3800	220	210	7600	*5000*	11000	7600	< 2400 U	< 2300 U	< 2200 U	< 2000 U	< 2300 U	< 2300 U	< 2200 U	< 2300 U	< 2400 U	< 3000 U	< 2200 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	**3800**	66000	3800	3800	130000	*88000*	200000	130000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	**3300**	40000	12000	12000	290000	*190000*	440000	290000	< 2400 U	< 2300 U	< 2200 U	< 2000 U	< 2300 U	< 2300 U	< 2200 U	< 2300 U	< 2400 U	< 3000 U	< 2200 U
Acetone	ug/kg	**260000**	3100000	260000	260000	3100000	*2100000*	4600000	3100000	< 710 UJ	< 700 UJ	< 670 UJ	< 600 UJ	< 700 UJ	< 700 UJ	< 660 U	< 680 U	< 710 U	160 J	< 670 U
Benzene	ug/kg	**1.7**	47	1.7	1.7	94	*63*	140	94	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
Bromodichloromethane	ug/kg	**0.61**	16	0.61	0.61	31	*21*	47	31	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
Bromoform	ug/kg	**45**	1300	45	45	2500	*1700*	3800	2500	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
Bromomethane (Methyl bromide)	ug/kg	**0.9**	16	0.9	0.9	32	*21*	47	32	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Carbon disulfide	ug/kg	**52**	920	52	52	1800	*1200*	2700	1800	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Carbon tetrachloride	ug/kg	**0.31**	8.7	0.31	0.31	17	*12*	26	17	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	*64*
Chlorobenzene	ug/kg	**82**	1400	82	82	2900	*1900*	4300	2900	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
Chloroethane	ug/kg	**330**	5800	330	330	12000	*7800*	17000	12000	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Chloroform (Trichloromethane)	ug/kg	**0.26**	7.4	0.26	0.26	15	*9.9*	22	15	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
Chloromethane (Methyl chloride)	ug/kg	**6.9**	120	6.9	6.9	240	*160*	370	240	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
cis-1,2-Dichloroethene	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
cis-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
Cyclohexane	ug/kg	**320**	5600	320	320	11000	*7400*	17000	11000	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	94 J	< 1100 U
Dibromochloromethane	ug/kg	**0.4**	27	0.4	0.4	55	*36*	82	54	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
Dichlorodifluoromethane (CFC-12)	ug/kg	**12**	220	12	12	440	*290*	660	440	< 94 UJ	< 93 UJ	< 89 UJ	< 80 UJ	< 94 UJ	< 94 UJ	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
Ethylbenzene	ug/kg	**12**	340	12	12	680	*450*	1000	680	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	13 J	< 45 U
Isopropyl benzene	ug/kg	**3.8**	110	3.8	3.8	210	*140*	320	210	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Methyl acetate	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1400 U	< 1100 U
Methyl cyclohexane	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1100 U	< 970 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	< 1100 U	170 J	< 1100 U
Methyl tert butyl ether (MTBE)	ug/kg	**74**	2100	74	74	4200	*2800*	6300	4200	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Methylene chloride	ug/kg	**130**	2300	130	130	4600	*3000*	6900	4600	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	**550**	9800	560	550	20000	*13000*	29000	20000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	**1800**	21000	1800	1800	21000	*14000*	32000	21000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	**150**	4300	150	150	8600	*5800*	13000	8600	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
tert-Butylbenzene	ug/kg	**0.64**	11	0.64	0.64	23	*15*	34	23	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	**6.2**	74	6.2	6.2	150	*99*	220	150	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	*2200*	< 45 U
Toluene	ug/kg	**3700**	64000	3700	3700	64000	*43000*	96000	64000	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	61 J	< 89 U
trans-1,2-Dichloroethene	ug/kg	**12**	210	12	12	420	*280*	630	420	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
trans-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	< 60 U	< 45 U
Trichloroethene	ug/kg	**0.33**	4	0.33	0.33	8	*5.3*	12	8	< 47 U	< 47 U	< 44 U	< 40 U	< 47 U	< 47 U	< 44 U	< 45 U	< 47 U	*30 J*	< 45 U
Trichlorofluoromethane (CFC-11)	ug/kg	**19**	340	19	19	670	*450*	1000	670	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
Trifluorotrichloroethane (Freon 113)	ug/kg	**860**	15000	860	860	30000	*20000*	45000	30000	< 240 U	< 230 U	< 220 U	< 200 U	< 230 U	< 230 U	< 220 U	< 230 U	< 240 U	< 300 U	< 220 U
Vinyl chloride	ug/kg	**0.082**	8.2	0.082	0.082	16	*11*	24	16	< 94 U	< 93 U	< 89 U	< 80 U	< 94 U	< 94 U	< 88 U	< 91 U	< 94 U	< 120 U	< 89 U
Xylene (total)	ug/kg	**280**	5000	280	280	9900	*6600*	15000	9900	31 J	< 140 U	30 J	< 120 U	32 J	32 J	< 130 U	< 140 U	< 140 U	160 J	< 130 U

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Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-15 (DUP) 8-10 6/14/2006 F-17	BF17-15 12.5-14.5 6/14/2006 F-17	BF17-16 0-2 6/14/2006 F-17	BF17-16 8-10 6/14/2006 F-17	BF17-16 11-13 6/14/2006 F-17	BF17-17 0-2 6/14/2006 F-17	BF17-17 8-10 6/14/2006 F-17	BF17-18 0-2 11/3/2006 F-17	BF17-18 8-10 11/3/2006 F-17	BF17-18 25-27 11/3/2006 F-17	BF17-19 0-2 11/3/2006 F-17
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2-Chloronaphthalene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2-Chlorophenol	ug/kg	**12000**	140000	12000	12000	280000	*190000*	420000	280000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
3,3'-Dichlorobenzidine	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 UJ	< 1900 U	< 1800 U	< 1800 U	< 1800 U	--	--	--	--
Acenaphthene	ug/kg	**200000**	3600000	210000	200000	7200000	*4800000*	11000000	7200000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Acetophenone	ug/kg	**620000**	7400000	620000	620000	7400000	*4900000*	11000000	7400000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Anthracene	ug/kg	**13000000**	220000000	13000000	13000000	440000000	*290000000*	660000000	440000000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Benzo(a)anthracene	ug/kg	**160000**	11000000	160000	160000	22000000	*15000000*	33000000	22000000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
bis(2-Chloroethyl)ether	ug/kg	**3.4**	96	3.4	3.4	190	*130*	290	190	< 370 U	< 380 U	< 370 UJ	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	--	--	--	--	22 J	< 380 U	20 J	45 J	38 J	21 J	43 J	--	--	--	--
Butyl benzylphthalate (BBP)	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Dibenzofuran	ug/kg	**7100000**	130000000	7100000	7100000	250000000	*170000000*	380000000	250000000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Di-n-butylphthalate (DBP)	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Fluorene	ug/kg	**470000**	8300000	470000	470000	17000000	*11000000*	25000000	17000000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Hexachlorobenzene	ug/kg	**6.7**	120	6.8	6.7	240	*160*	360	240	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Hexachlorobutadiene	ug/kg	**2.5**	69	2.5	2.5	140	*92*	210	140	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	**0.32**	5.7	0.32	0.32	11	*7.5*	17	11	< 1800 UJ	< 1800 U	< 1800 U	< 1900 UJ	< 1800 UJ	< 1800 UJ	< 1800 UJ	--	--	--	--
Hexachloroethane	ug/kg	**3.2**	92	3.3	3.2	180	*120*	270	180	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Nitrobenzene	ug/kg	**170**	4800	170	170	9600	*6400*	14000	9600	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
N-Nitrosodi-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
N-Nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Phenanthrene	ug/kg	**1700**	29000	1700	1700	58000	*39000*	88000	58000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--
Pyrene	ug/kg	**25000000**	440000000	25000000	25000000	880000000	*590000000*	1300000000	880000000	< 370 U	< 380 U	< 370 U	< 400 U	< 380 U	< 370 U	< 370 U	--	--	--	--

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-15 (DUP) 8-10 6/14/2006 F-17	BF17-15 12.5-14.5 6/14/2006 F-17	BF17-16 0-2 6/14/2006 F-17	BF17-16 8-10 6/14/2006 F-17	BF17-16 11-13 6/14/2006 F-17	BF17-17 0-2 6/14/2006 F-17	BF17-17 8-10 6/14/2006 F-17	BF17-18 0-2 11/3/2006 F-17	BF17-18 8-10 11/3/2006 F-17	BF17-18 25-27 11/3/2006 F-17	BF17-19 0-2 11/3/2006 F-17
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	**450**	7500	450	450	7500	*5000*	11000	7500	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
1,1,2,2-Tetrachloroethane	ug/kg	**2.7**	77	2.7	2.7	150	*100*	230	150	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
1,1,2-Trichloroethane	ug/kg	**0.37**	6.6	0.37	0.37	13	*8.7*	20	13	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
1,1-Dichloroethane	ug/kg	**2.6**	74	2.6	2.6	150	*99*	220	150	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
1,1-Dichloroethene	ug/kg	**12**	220	12	12	430	*290*	650	430	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
1,2,3-Trimethylbenzene	ug/kg	**270**	4800	270	270	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	**53**	930	53	53	1900	*1200*	2800	1900	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
1,2,4-Trimethylbenzene	ug/kg	**150**	2600	150	150	5200	*3500*	7800	5200	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	**--**	--	--	--	--	--	--	--	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	**0.074**	2.1	0.074	0.074	4.2	*2.8*	6.2	4.2	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
1,2-Dichlorobenzene	ug/kg	**1500**	26000	1500	1500	52000	*35000*	78000	52000	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
1,2-Dichloroethane	ug/kg	**0.82**	23	0.82	0.82	46	*31*	69	46	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
1,2-Dichloropropane	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
1,3,5-Trimethylbenzene	ug/kg	**100**	1800	100	100	3600	*2400*	5400	3600	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	**10**	180	10	10	360	*240*	540	360	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
1,4-Dichlorobenzene	ug/kg	**23**	660	23	23	1300	*870*	2000	1300	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	**31000**	370000	31000	31000	740000	*490000*	1100000	740000	< 670 U	< 690 U	< 670 U	< 730 U	< 690 U	< 710 U	< 680 U	< 600 U	< 670 U	< 700 U	< 640 U
2-Hexanone	ug/kg	**210**	3800	220	210	7600	*5000*	11000	7600	< 2200 U	< 2300 U	< 2200 U	< 2400 U	< 2300 U	< 2400 U	< 2300 U	< 2000 U	< 2200 U	< 2300 U	< 2100 U
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	**3800**	66000	3800	3800	130000	*88000*	200000	130000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	**3300**	40000	12000	12000	290000	*190000*	440000	290000	< 2200 U	< 2300 U	< 2200 U	< 2400 U	< 2300 U	< 2400 U	< 2300 U	< 2000 U	< 2200 U	< 2300 U	< 2100 U
Acetone	ug/kg	**260000**	3100000	260000	260000	3100000	*2100000*	4600000	3100000	< 670 U	< 690 UJ	< 670 U	< 730 U	< 690 U	< 710 U	< 680 U	< 600 U	< 670 U	< 700 U	< 640 U
Benzene	ug/kg	**1.7**	47	1.7	1.7	94	*63*	140	94	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Bromodichloromethane	ug/kg	**0.61**	16	0.61	0.61	31	*21*	47	31	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
Bromoform	ug/kg	**45**	1300	45	45	2500	*1700*	3800	2500	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
Bromomethane (Methyl bromide)	ug/kg	**0.9**	16	0.9	0.9	32	*21*	47	32	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Carbon disulfide	ug/kg	**52**	920	52	52	1800	*1200*	2700	1800	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Carbon tetrachloride	ug/kg	**0.31**	8.7	0.31	0.31	17	*12*	26	17	***67***	***110***	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Chlorobenzene	ug/kg	**82**	1400	82	82	2900	*1900*	4300	2900	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Chloroethane	ug/kg	**330**	5800	330	330	12000	*7800*	17000	12000	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Chloroform (Trichloromethane)	ug/kg	**0.26**	7.4	0.26	0.26	15	*9.9*	22	15	< 45 U	***29 J***	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Chloromethane (Methyl chloride)	ug/kg	**6.9**	120	6.9	6.9	240	*160*	370	240	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
cis-1,2-Dichloroethene	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
cis-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Cyclohexane	ug/kg	**320**	5600	320	320	11000	*7400*	17000	11000	< 1100 U	< 1100 U	< 1100 U	< 1200 U	< 1100 U	< 1100 U	< 1100 U	< 960 U	< 1100 U	< 1100 U	< 1000 U
Dibromochloromethane	ug/kg	**0.4**	27	0.4	0.4	55	*36*	82	54	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Dichlorodifluoromethane (CFC-12)	ug/kg	**12**	220	12	12	440	*290*	660	440	< 90 U	< 92 UJ	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 UJ	< 90 UJ	< 93 UJ	< 85 UJ
Ethylbenzene	ug/kg	**12**	340	12	12	680	*450*	1000	680	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Isopropyl benzene	ug/kg	**3.8**	110	3.8	3.8	210	*140*	320	210	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Methyl acetate	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1100 U	< 1100 U	< 1200 U	< 1100 U	< 1100 U	< 1100 U	< 960 U	< 1100 U	< 1100 U	< 1000 U
Methyl cyclohexane	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1100 U	67 J	< 1200 U	< 1100 U	< 1100 U	< 1100 U	< 960 U	< 1100 U	< 1100 U	18 J
Methyl tert butyl ether (MTBE)	ug/kg	**74**	2100	74	74	4200	*2800*	6300	4200	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Methylene chloride	ug/kg	**130**	2300	130	130	4600	*3000*	6900	4600	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	**550**	9800	560	550	20000	*13000*	29000	20000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	**1800**	21000	1800	1800	21000	*14000*	32000	21000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	**150**	4300	150	150	8600	*5800*	13000	8600	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
tert-Butylbenzene	ug/kg	**0.64**	11	0.64	0.64	23	*15*	34	23	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	**6.2**	74	6.2	6.2	150	*99*	220	150	< 45 U	< 46 U	35 J	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	55
Toluene	ug/kg	**3700**	64000	3700	3700	64000	*43000*	96000	64000	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
trans-1,2-Dichloroethene	ug/kg	**12**	210	12	12	420	*280*	630	420	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
trans-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	< 43 U
Trichloroethene	ug/kg	**0.33**	4	0.33	0.33	8	*5.3*	12	8	< 45 U	< 46 U	< 44 U	< 48 U	< 46 U	< 47 U	< 45 U	< 40 U	< 45 U	< 46 U	***13 J***
Trichlorofluoromethane (CFC-11)	ug/kg	**19**	340	19	19	670	*450*	1000	670	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
Trifluorotrichloroethane (Freon 113)	ug/kg	**860**	15000	860	860	30000	*20000*	45000	30000	< 220 U	< 230 U	< 220 U	< 240 U	< 230 U	< 240 U	< 230 U	< 200 U	< 220 U	< 230 U	< 210 U
Vinyl chloride	ug/kg	**0.082**	8.2	0.082	0.082	16	*11*	24	16	< 90 U	< 92 U	< 89 U	< 97 U	< 92 U	< 94 U	< 90 U	< 80 U	< 90 U	< 93 U	< 85 U
Xylene (total)	ug/kg	**280**	5000	280	280	9900	*6600*	15000	9900	< 130 U	< 140 U	30 J	< 150 U	31 J	< 140 U	< 140 U	< 120 U	< 130 U	< 140 U	21 J

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-19 8-10 11/3/2006 F-17	BF17-19 25-27 11/3/2006 F-17	BF17-20 0-2 11/3/2006 F-17	BF17-20 8-10 11/3/2006 F-17	BF17-20 24-26 11/3/2006 F-17	BF17-21 0-2 11/3/2006 F-17	BF17-21 8-10 11/3/2006 F-17	BF17-21 24-26 11/3/2006 F-17	BF17-21RE 0-1 11/8/2023 F-17	BF17-21RE 2-3 11/8/2023 F-17	BF17-21RE 4-5 11/8/2023 F-17
Semi-Volatile Organic Compounds (SVOCs, USEPA Method 8270D)																				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	**12000**	140000	12000	12000	280000	*190000*	420000	280000	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	**200000**	3600000	210000	200000	7200000	*4800000*	11000000	7200000	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	**620000**	7400000	620000	620000	7400000	*4900000*	11000000	7400000	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	**13000000**	220000000	13000000	13000000	440000000	*290000000*	660000000	440000000	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	ug/kg	**160000**	11000000	160000	160000	22000000	*15000000*	33000000	22000000	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Biphenyl (1,1-Biphenyl)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	ug/kg	**3.4**	96	3.4	3.4	190	*130*	290	190	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzylphthalate (BBP)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	**7100000**	130000000	7100000	7100000	250000000	*170000000*	380000000	250000000	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate (DBP)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate (DnOP)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	**470000**	8300000	470000	470000	17000000	*11000000*	25000000	17000000	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	**6.7**	120	6.8	6.7	240	*160*	360	240	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	**2.5**	69	2.5	2.5	140	*92*	210	140	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	**0.32**	5.7	0.32	0.32	11	*7.5*	17	11	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	**3.2**	92	3.3	3.2	180	*120*	270	180	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	**170**	4800	170	170	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	**1700**	29000	1700	1700	58000	*39000*	88000	58000	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	**25000000**	440000000	25000000	25000000	880000000	*590000000*	1300000000	880000000	--	--	--	--	--	--	--	--	--	--	--

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Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

SAMPLE LOCATION DEPTH INTERVAL (FT) SAMPLE DATE AOI Chemical	Units	Residential Soil VIAP bold	Nonresidential Soil VIAP red text	Res Fiero SSVIAC SOG outline	Res Fiero SSVIAC BASE gold text	NR Fiero SSVIAC <50k SOG underline	NR Fiero SSVIAC <50k BASE italics	NR Fiero SSVIAC >50k SOG gray shade	NR Fiero SSVIAC >50k BASE blue text	BF17-19 8-10 11/3/2006 F-17	BF17-19 25-27 11/3/2006 F-17	BF17-20 0-2 11/3/2006 F-17	BF17-20 8-10 11/3/2006 F-17	BF17-20 24-26 11/3/2006 F-17	BF17-21 0-2 11/3/2006 F-17	BF17-21 8-10 11/3/2006 F-17	BF17-21 24-26 11/3/2006 F-17	BF17-21RE 0-1 11/8/2023 F-17	BF17-21RE 2-3 11/8/2023 F-17	BF17-21RE 4-5 11/8/2023 F-17
Volatile Organic Compounds (VOCs, USEPA Method 8260C)																				
1,1,1-Trichloroethane	ug/kg	**450**	7500	450	450	7500	*5000*	11000	7500	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	**2.7**	77	2.7	2.7	150	*100*	230	150	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
1,1,2-Trichloroethane	ug/kg	**0.37**	6.6	0.37	0.37	13	*8.7*	20	13	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
1,1-Dichloroethane	ug/kg	**2.6**	74	2.6	2.6	150	*99*	220	150	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
1,1-Dichloroethene	ug/kg	**12**	220	12	12	430	*290*	650	430	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
1,2,3-Trimethylbenzene	ug/kg	**270**	4800	270	270	9600	*6400*	14000	9600	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	**53**	930	53	53	1900	*1200*	2800	1900	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	**150**	2600	150	150	5200	*3500*	7800	5200	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	**--**	--	--	--	--	--	--	--	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	**0.074**	2.1	0.074	0.074	4.2	*2.8*	6.2	4.2	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
1,2-Dichlorobenzene	ug/kg	**1500**	26000	1500	1500	52000	*35000*	78000	52000	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
1,2-Dichloroethane	ug/kg	**0.82**	23	0.82	0.82	46	*31*	69	46	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
1,2-Dichloropropane	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	**100**	1800	100	100	3600	*2400*	5400	3600	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	**10**	180	10	10	360	*240*	540	360	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
1,4-Dichlorobenzene	ug/kg	**23**	660	23	23	1300	*870*	2000	1300	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	**31000**	370000	31000	31000	740000	*490000*	1100000	740000	< 680 U	< 730 U	< 760 U	< 680 U	< 760 U	< 640 U	< 700 U	< 770 U	--	--	--
2-Hexanone	ug/kg	**210**	3800	220	210	7600	*5000*	11000	7600	< 2300 U	< 2400 U	< 2500 U	< 2300 U	< 2500 U	< 2100 U	< 2300 U	< 2600 U	--	--	--
2-Methylnaphthalene	ug/kg	**1700**	30000	1700	1700	60000	*40000*	90000	60000	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ug/kg	**3800**	66000	3800	3800	130000	*88000*	200000	130000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	**3300**	40000	12000	12000	290000	*190000*	440000	290000	< 2300 U	< 2400 U	< 2500 U	< 2300 U	< 2500 U	< 2100 U	< 2300 U	< 2600 U	--	--	--
Acetone	ug/kg	**260000**	3100000	260000	260000	3100000	*2100000*	4600000	3100000	< 680 U	< 730 U	< 760 U	< 680 U	< 760 U	< 640 U	< 700 U	< 770 U	--	--	--
Benzene	ug/kg	**1.7**	47	1.7	1.7	94	*63*	140	94	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Bromodichloromethane	ug/kg	**0.61**	16	0.61	0.61	31	*21*	47	31	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
Bromoform	ug/kg	**45**	1300	45	45	2500	*1700*	3800	2500	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
Bromomethane (Methyl bromide)	ug/kg	**0.9**	16	0.9	0.9	32	*21*	47	32	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Carbon disulfide	ug/kg	**52**	920	52	52	1800	*1200*	2700	1800	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Carbon tetrachloride	ug/kg	**0.31**	8.7	0.31	0.31	17	*12*	26	17	< 45 U	< 49 U	< 50 U	*27 J*	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Chlorobenzene	ug/kg	**82**	1400	82	82	2900	*1900*	4300	2900	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Chloroethane	ug/kg	**330**	5800	330	330	12000	*7800*	17000	12000	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Chloroform (Trichloromethane)	ug/kg	**0.26**	7.4	0.26	0.26	15	*9.9*	22	15	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Chloromethane (Methyl chloride)	ug/kg	**6.9**	120	6.9	6.9	240	*160*	370	240	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	**2.1**	37	2.1	2.1	74	*49*	110	74	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Cyclohexane	ug/kg	**320**	5600	320	320	11000	*7400*	17000	11000	< 1100 U	< 1200 U	13 J	< 1100 U	< 1200 U	< 1000 U	< 1100 U	< 1200 U	--	--	--
Dibromochloromethane	ug/kg	**0.4**	27	0.4	0.4	55	*36*	82	54	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Dichlorodifluoromethane (CFC-12)	ug/kg	**12**	220	12	12	440	*290*	660	440	< 90 UJ	< 98 UJ	< 100 UJ	< 90 UJ	< 100 UJ	< 86 UJ	< 93 UJ	< 100 UJ	--	--	--
Ethylbenzene	ug/kg	**12**	340	12	12	680	*450*	1000	680	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Isopropyl benzene	ug/kg	**3.8**	110	3.8	3.8	210	*140*	320	210	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Methyl acetate	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1200 U	< 1200 U	< 1100 U	< 1200 U	< 1000 U	< 1100 U	< 1200 U	--	--	--
Methyl cyclohexane	ug/kg	**--**	--	--	--	--	--	--	--	< 1100 U	< 1200 U	28 J	< 1100 U	< 1200 U	20 J	< 1100 U	< 1200 U	--	--	--
Methyl tert butyl ether (MTBE)	ug/kg	**74**	2100	74	74	4200	*2800*	6300	4200	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Methylene chloride	ug/kg	**130**	2300	130	130	4600	*3000*	6900	4600	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Naphthalene	ug/kg	**67**	1900	67	67	3800	*2500*	5700	3800	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	**550**	9800	560	550	20000	*13000*	29000	20000	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	**1800**	21000	1800	1800	21000	*14000*	32000	21000	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	**150**	4300	150	150	8600	*5800*	13000	8600	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
tert-Butylbenzene	ug/kg	**0.64**	11	0.64	0.64	23	*15*	34	23	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	**6.2**	74	6.2	6.2	150	*99*	220	150	< 45 U	< 49 U	74	< 45 U	< 51 U	**88**	< 47 U	< 51 U	<60U [<80U]	<60U	<70U
Toluene	ug/kg	**3700**	64000	3700	3700	64000	*43000*	96000	64000	< 90 U	< 98 U	19 J	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	**12**	210	12	12	420	*280*	630	420	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	**--**	--	--	--	--	--	--	--	< 45 U	< 49 U	< 50 U	< 45 U	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Trichloroethene	ug/kg	**0.33**	4	0.33	0.33	8	*5.3*	12	8	< 45 U	< 49 U	< 50 U	*25 J*	< 51 U	< 43 U	< 47 U	< 51 U	--	--	--
Trichlorofluoromethane (CFC-11)	ug/kg	**19**	340	19	19	670	*450*	1000	670	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
Trifluorotrichloroethane (Freon 113)	ug/kg	**860**	15000	860	860	30000	*20000*	45000	30000	< 230 U	< 240 U	< 250 U	< 230 U	< 250 U	< 210 U	< 230 U	< 260 U	--	--	--
Vinyl chloride	ug/kg	**0.082**	8.2	0.082	0.082	16	*11*	24	16	< 90 U	< 98 U	< 100 U	< 90 U	< 100 U	< 86 U	< 93 U	< 100 U	--	--	--
Xylene (total)	ug/kg	**280**	5000	280	280	9900	*6600*	15000	9900	< 140 U	< 150 U	31 J	< 140 U	< 150 U	18 J	< 140 U	< 150 U	--	--	--

Table 1
Soil VI Analytical Summary
Former Fiero Parking Lot
RACER Pontiac North Campus

Notes:

1) Criteria listed are from the EGLE Former Fiero Assembly Site-Specific Criteria Evaluation dated April 21, 2020.

2) Residential and Nonresidential Volatilization to Indoor Air Pathway Screening Levels (Groundwater Not in Contact) are from the DEQ Guidance Document for the Vapor Intrusion Pathway, Appendix C - Tables 1 and 2, September 4, 2020.

3) Values in bold denotes exceedance and/or equal to Residential Soil VIAP Criteria.

4) Values in red text denotes exceedance and/or equal to Nonresidential Soil VIAP Criteria.

5) Values outlined denotes exceedance and/or equal to Residential Fiero SSVIAC SOG Criteria.

6) Values in gold text denotes exceedance and/or equal to Residential Fiero SSVIAC Basement Criteria.

7) Values underlined denotes exceedance and/or equal to Nonresidential Fiero SSVIAC <50k SOG Criteria.

8) Values italicized denotes exceedance and/or equal to Nonresidential Fiero SSVIAC <50k Basement Criteria.

9) Values in gray shade denotes exceedance and/or equal to Nonresidential Fiero SSVIAC >50k SOG Criteria.

10) Values in blue text denotes exceedance and/or equal to Nonresidential Fiero SSVIAC >50k Basement Criteria.

Abbreviations:

-- = no data
< = non-detect
<50k = less than 50,000 square feet
>50k = greater than 50,000 square feet
ug/kg = micrograms per kilogram
AOI = area of interest
BASE = basement scenario
ft = feet
GVIIC = groundwater volatilization to indoor air inhalation criteria
J = estimated value less than the reporting limit, but greater than the method detection limit
NR = nonresidential
Res = residential
SOG = slab-on-grade scenario
SSVIAC = site-specific volatilization to indoor air criteria
U = compound analyzed for but not detected above the reporting limit
VIAP = volatilization to indoor air pathway

Table 2
PZ-Associated Groundwater Samples - VOCs and PFAS
Former Fiero Parking Lot
RACER Pontiac North Campus

Location ID: Date Collected: Sample Name:	EGLE Residential Drinking Water	EGLE Nonresidential Drinking Water	EGLE Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	PZF17-02 09/23/11 PZ17-02_092311	PZF17-05 9/15/2023 PZF17-05_GW-091523	PZF17-05 11/11/2024 PZF17-05_GW-111124
Volatile Organics									
Acetone	730	2,100	1,700	32,000,000	18,000,000	240,000,000	25 U	--	--
Benzene	5	5	200	34	18	1,100	1.0 U	--	--
Bromodichloromethane	80	80	- -	60	31	1,700	1.0 U	--	--
Bromoform	80	80	- -	6,400	3,200	200,000	1.0 U	--	--
Bromomethane	10	29	5	59	33	1,200	1.0 UJ	--	--
2-Butanone	13,000	38,000	2,200	4,000,000	2,200,000	59,000,000	25 U	--	--
Carbon Disulfide	800	2,300	- -	2,200	1,200	46,000	5.0 U	--	--
Carbon Tetrachloride	5	5	38	14	7.2	440	1.0 U	--	1.0
CFC-11	2,600	7,300	- -	300	160	6,000	1.0 U	--	--
CFC-12	1,700	4,800	- -	71	38	1,400	1.0 U	--	--
Chlorobenzene	100	100	25	1,300	720	27,000	1.0 U	--	--
Chlorodibromomethane	80	80	- -	58	29	4,400	1.0 U	--	--
Chloroethane	430	1,700	1,100	15,000	8,600	320,000	1.0 U	--	--
Chloroform	80	80	350	19	10	610	1.0 U	--	--
Chloromethane	260	1,100	- -	340	200	7,400	1.0 U	--	--
Cyclohexane	- -	- -	- -	2,600	1,400	53,000	1.0 U	--	--
1,2-Dibromo-3-chloropropane	0.2	0.2	- -	0.00045	0.00045	0.042	1.0 U	--	--
1,2-Dibromoethane	0.05	0.05	5.7	8	4	250	1.0 U	--	--
1,2-Dichlorobenzene	600	600	13	19,000	9,900	160,000	1.0 U	--	--
1,3-Dichlorobenzene	6.6	19	28	130	70	2,700	1.0 U	--	--
1,4-Dichlorobenzene	75	75	17	310	160	9,800	1.0 U	--	--
1,1-Dichloroethane	880	2,500	740	160	88	5,300	1.0 U	--	--
1,2-Dichloroethane	5	5	360	50	27	1,600	1.0 U	--	--
1,1-Dichloroethene	7	7	130	410	220	8,300	1.0 U	--	--
cis-1,2-Dichloroethene	70	70	620	110	62	2,300	1.0 U	--	--
trans-1,2-Dichloroethene	100	100	1,500	480	260	9,800	1.0 U	--	--
Dichloromethane	5	5	1,500	9,100	5,000	190,000	5.0 U	--	--
1,2-Dichloropropane	5	5	230	100	56	2,100	1.0 U	--	--
cis-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	1.0 U	--	--
trans-1,3-Dichloropropene	- -	- -	- -	- -	- -	- -	1.0 U	--	--
Ethylbenzene	74	74	18	110	60	3,600	1.0 U	--	--
Isopropylbenzene	800	2,300	28	26	13	810	5.0 U	--	--
Methyl acetate	- -	- -	- -	- -	- -	- -	10 U	--	--
Methyl N-Butyl Ketone	1,000	2,900	- -	24,000	12,000	490,000	50 U	--	--
Methylcyclohexane	- -	- -	- -	- -	- -	- -	1.0 U	--	--
4-Methyl-2-pentanone	1,800	5,200	- -	1,600,000	810,000	19,000,000	50 U	--	--
Methyl tert-butyl ether	40	40	7,100	10,000	5,300	320,000	5.0 U	--	--
Styrene	100	100	80	1,400	740	45,000	1.0 U	--	--
1,1,2,2-Tetrachloroethane	8.5	35	78	130	66	4,100	1.0 U	--	--
Tetrachloroethene	5	5	60	250	130	3,400	1.0 U	--	<1 U
Toluene	790	790	270	56,000	30,000	530,000	1.0 U	--	--
1,2,4-Trichlorobenzene	70	70	99	270	130	5,100	1.0 U	--	--
1,1,1-Trichloroethane	200	200	89	22,000	11,000	210,000	1.0 U	--	--
1,1,2-Trichloroethane	5	5	330	21	11	410	1.0 U	--	--
Trichloroethene	5	5	200	15	8.1	210	1.0 U	--	--
1,1,2-trichloro-1,2,2-trifluoroethane	170,000	170,000	32	7,100	3,600	140,000	1.0 U	--	--
Vinyl Chloride	2	2	13	2.2	1.2	260	1.0 U	--	--
Total Xylenes	280	280	49	3,000	1,600	60,000	2.0 U	--	--

Table 2
PZ-Associated Groundwater Samples - VOCs and PFAS
Former Fiero Parking Lot
RACER Pontiac North Campus

Location ID: Date Collected: Sample Name:	EGLE Residential Drinking Water	EGLE Nonresidential Drinking Water	EGLE Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC BASE	NR Fiero SSVIAC <50k SOG	PZF17-02 09/23/11 PZ17-02_092311	PZF17-05 9/15/2023 PZF17-05_GW-091523	PZF17-05 11/11/2024 PZF17-05_GW-111124
PFAS									
11Cl-PF3OUdS (F-53B Minor)	--	--	--	--	--	--	--	< 7.4 U	--
4:2 FTS	--	--	--	--	--	--	--	< 7.4 U	--
6:2FTS	--	--	--	--	--	--	--	< 7.4 U	--
8:2FTS	--	--	--	--	--	--	--	< 7.4 U	--
9Cl-PF3ONS (F-53B Major)	--	--	--	--	--	--	--	< 7.4 U	--
ADONA	--	--	--	--	--	--	--	< 7.4 U	--
HFPO-DA (GenX)	370	--	--	--	--	--	--	< 7.4 U	--
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	--	--	--	--	--	--	--	< 7.4 U	--
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	--	--	--	--	--	--	--	< 7.4 U	--
Perfluorobutanesulfonic acid (PFBS)	420	420	670,000	--	--	--	--	0.67 J	--
Perfluorobutanoic acid (PFBA)	--	--	--	--	--	--	--	1.1 J	--
Perfluorodecanesulfonic acid (PFDS)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorodecanoic acid (PFDA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorododecanoic acid (PFDoA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluoroheptanoic acid (PFHpA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorohexanesulfonic acid (PFHxS)	51	51	210	--	--	--	--	< 3.7 U	--
Perfluorohexanoic acid (PFHxA)	400,000	400,000	--	--	--	--	--	< 3.7 U	--
Perfluorononanesulfonic acid (PFNS)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorononanoic acid (PFNA)	6	6	30	--	--	--	--	< 3.7 U	--
Perfluorooctane Sulfonamide (FOSA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorooctane sulfonic acid (PFOS)	16	16	12	--	--	--	--	< 3.7 U	--
Perfluorooctanoic acid (PFOA)	8	8	170	--	--	--	--	< 3.7 U	--
Perfluoropentanesulfonic acid (PFPeS)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluoropentanoic acid (PFPeA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorotetradecanoic acid (PFTeA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluorotridecanoic Acid (PFTriA)	--	--	--	--	--	--	--	< 3.7 U	--
Perfluoroundecanoic acid (PFUnA)	--	--	--	--	--	--	--	< 3.7 U	--

Table 2
PZ-Associated Groundwater Samples - VOCs and PFAS
Former Fiero Parking Lot
RACER Pontiac North Campus

Notes:

1) All units are measured in micrograms per liter (µg/L) except PFAS results are (ng/L)

2) 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, January 10, 2018; GSI Protection criteria updated October 12, 2023.

3) Volatilization to Indoor Air Criteria listed are from the EGLE Former Fiero Assembly Site-Specific Criteria Evaluation dated April 21, 2020.

Abbreviations:

µg/L	Micrograms per liter
BASE	Basement scenario
NR	Non-Residential
Res	Residential
SOG	Slab-On-Grade scenario
SSVIAC	Site-Specific Volatilization to Indoor Air Criteria
DW	Drinking Water
GSI	Groundwater Surface Water Interface
U	Compound was analyzed for but not detected. The associated value is the compound quantitation limit.
J	Estimated value
<50k	Building less than 50,000 square feet
PFAS	per-and polyfluoroalkyl substances

Table 3
2024 PZ-Associated Groundwater Samples- Metals
Former Fiero Parking Lot
RACER Pontiac North Campus

Location ID: / Date Collected:	Groundwater Surface Water Interface	Res Fiero SSVIAC SOG	Res Fiero SSVIAC Basement	NR Fiero SSVIAC <50k SOG	Units	PZF17-01 11/11/2024	PZF17-02 11/11/2024	PZF17-03 11/11/2024	PZF17-04 11/11/2024	PZF17-05 11/11/2024
Metals										
Antimony					mg/L	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Arsenic	0.01	- -	- -	--	mg/L	0.011	0.003	< 0.002 U	< 0.002 U	< 0.002 U
Barium	0.67	- -	- -	--	mg/L	0.072	0.117	0.07	0.107	0.039
Beryllium		- -	- -	--	mg/L	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	0.0025	- -	- -	--	mg/L	< 0.0005 U	< 0.0005 U	< 0.0005 U	< 0.0005 U	0.0008
Chromium	0.011	- -	- -	--	mg/L	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.008
Cobalt	0.1	- -	- -	--	mg/L	0.007	< 0.005 U	< 0.005 U	< 0.005 U	0.007
Copper	0.013	- -	- -	--	mg/L	0.009	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Lead		- -	- -	--	mg/L	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U
Manganese	1.3	- -	- -	--	mg/L	0.286	0.253	0.011	0.043	0.734
Nickel	0.073	- -	- -	--	mg/L	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.01
Selenium		- -	- -	--	mg/L	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Silver		- -	- -	--	mg/L	< 0.0005 U	< 0.0005 U	< 0.0005 U	< 0.0005 U	< 0.0005 U
Thallium		- -	- -	--	mg/L	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U
Vanadium		- -	- -	--	mg/L	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
Zinc	0.17	- -	- -	--	mg/L	0.017	0.006	0.008	< 0.005 U	0.029
Mercury	0.0000013	*0.0025*	0.0037		mg/L	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U

Notes:
1) All units are measured in miligrams per liter (mg/L)
2) 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, January 10, 2018; GSI criteria updated October 12, 2023.

3) Volatilization to Indoor Air Criteria listed are from the EGLE Former Fiero Assembly Site-Specific Criteria Evaluation dated April 21, 2020.

Abbreviations:

mg/L	Miligrams per liter
BASE	Basement scenario
NR	Non-Residential
Res	Residential
SOG	Slab-On-Grade scenario
SSVIAC	Site-Specific Volatilization to Indoor Air Criteria
GSI	Groundwater Surface Water Interface
U	Compound was analyzed for but not detected. The associated value is the compound quantitation limit.
J	Estimated value
<50k	Building less than 50,000 square feet

Attachment 1

RCRA Notification and Part A Submittals

FROM THE 2001 PONTIAC NORTH CAMPUS CCR PREPARED BY ENCORE ENVIRONMENTAL CONSORTIUM, LLC

Appendix C

C-1 Notification of Hazardous Waste Activity (GM, 1980c)
C-2 Part A Permit Application (November 1980) (GM, 1980e)
C-3 Letter to GM, re: Interim Status Acknowledgement (USEPA, 1982a)
C-4 Part A Permit Application (June 1985) (GM, 1985c)
C-5 Letter to GM, re: Revised Part A Application (USEPA, 1985)
C-6 Part A Permit Application (February 1986) (GM, 1986b)
C-7 Part A Permit Application (November 1987) (GM, 1987i)
C-8 Letter to GM, re: Revised Part A Permit Application (MDNR, 1987f)

C-1

Fisher Body
DIVISION OF GENERAL MOTORS CORPORATION

INTER-ORGANIZATION

PONTIAC
PLANT

SUBJECT : Notification Hazardous Waste

DATE August 8, 1980

FROM : S. Sasaki

TO : David J. Eden - Director of Plant Environment, E.A.S.

Attached is a copy of our E.P.A. Form 8700-12, Notification of Hazardous Waste Activity, as reviewed, amended and released by Mr. R. Williams of your activity.

For additional information, please call me or Mr. Frank Heiman at Centrex 8-237-2584.

S. Sasaki
Plant Engineer

c.c. F. D. Faga
P. Becker W.E.A.
F. Heiman
File

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

INSTALLATION'S EPA I.D. NO.: MID005356910

I. NAME OF INSTALLATION: FISHER BODY PONTIAC ~~GENERAL MOTORS CORPORATION~~

II. INSTALLATION MAILING ADDRESS: 900 BALDWIN AVE, PONTIAC, MI 48055

III. LOCATION OF INSTALLATION: 900 BALDWIN AVE, PONTIAC, MI 48055

FOR OFFICIAL USE ONLY

COMMENTS:

INSTALLATION'S EPA I.D. NUMBER: F

T/A: C 1

APPROVED:

DATE RECEIVED (yr., mo., & day):

I. NAME OF INSTALLATION

GMC FISHER BODY DIV. PONTIAC PLANT

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 900 BALDWIN

CITY OR TOWN: 4 PONTIAC

ST.: MI

ZIP CODE: 48055

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 900 BALDWIN

CITY OR TOWN: 6 PONTIAC

ST.: MI

ZIP CODE: 48055

IV. INSTALLATION CONTACT

NAME AND TITLE *(last, first, & job title)*: 2 SASAKI SAE PLANT ENGINEER

PHONE NO. *(area code & no.)*: 313-857-2564

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 GENERAL MOTORS CORP

B. TYPE OF OWNERSHIP *(enter the appropriate letter into box)*: M

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION
- [X] B. TRANSPORTATION *(complete item VII)*
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR
- [ ] B. RAIL
- [X] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER *(specify):*

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete Item C)*

C. INSTALLATION'S EPA I.D. NO.:

X. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

I.D. – FOR OFFICIAL USE ONLY

W

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F012					
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☐ 1. IGNITABLE (D001) ☐ 2. CORROSIVE (D002) ☐ 3. REACTIVE (D003) ☐ 4. TOXIC (D000)

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
SEE PAGE 3		

EPA Form 8700-12 (6-80) REVERSE

I.D. – FOR OFFICIAL USE ONLY

9												T/A	C
W													1
1	2									13		14	15

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F001	F005	F017	F002	F008	F010
7	**8**	**9**	**10**	**11**	**12**
F003	F006	F018	F007	F009	F011

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
U226	U238				
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☒ 1. IGNITABLE (D001) ☒ 2. CORROSIVE (D002) ☒ 3. REACTIVE (D003) ☒ 4. TOXIC (D000)

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
	PLANT MANAGER	8/8/80

DETACH

DETACH

C-2

1 GENERAL — EPA — GENERAL INFORMATION

11-18-80

Consolidated Permits Program

(Read the "General Instructions" before starting.)

F M I D 0 0 5 3 5 6 9 1 0

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affi it in the designated space. Review the inform ation carefully; if any of it is incorrect, cros through it and enter the correct data in the appropriate fill-in area below. Also, if any o the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

LABEL ITEMS

I. EPA I.D. NUMBER

CILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		N.A.	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

SKIP GMC FISHER BODY DIV. PONTIAC

V. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
SASAKI S PLANT ENGINEER	313 857 2584

VI. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 900 BALDWIN AVE

B. CITY OR TOWN	C. STATE	D. ZIP CODE
PONTIAC	MI	48055

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 900 BALDWIN AVE

B. COUNTY NAME: OAKLAND

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
PONTIAC	MI	48055	

MOTOR VEHICLE & CAR BODIES | 7

C. THIRD		D. FOURTH	
	(specify)	7	(specify)

III. OPERATOR INFORMATION

A. NAME

GMC FISHER BODY DIV. PONTIAC PLANT

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box: if "Other", specify.)

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

P (specify)

D. PHONE (area code & no.) A 313 857 2584

E. STREET OR P.O. BOX

00 BALDWIN AVE

F. CITY OR TOWN	G. STATE	H. ZIP CODE
PONTIAC	MI	48055

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)	
N MI0002771A	9 P N.A.	
B. UIC (Underground Injection of Fluids)	**E. OTHER (specify) AIR**	AIR
U N.A.	9 MI 105-77	(specify) MI-495-78
C. RCRA (Hazardous Wastes)	**E. OTHER (specify) AIR**	AIR
R N.A.	9 MI 177-73	(specify) MI-106-73

MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

NATURE OF BUSINESS (provide a brief description)

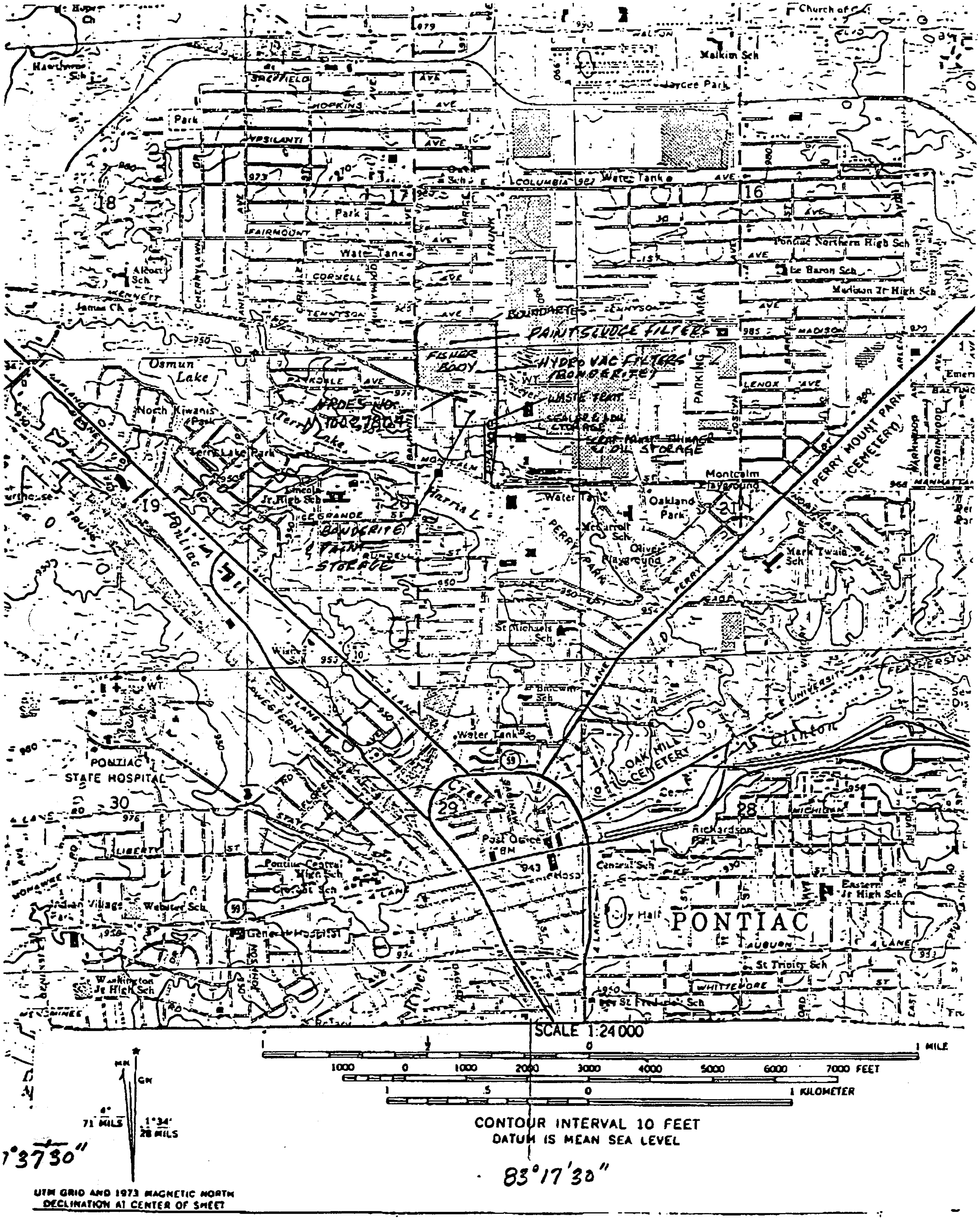
PRODUCTION OF AUTOMOBILE BODIES

CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
. Katko, General Manager	C Katko	11-18-80

COMMENTS FOR OFFICIAL USE ONLY



Church of
Malkim Sch
Hawthorne Sch
Jaycee Park
Park
HOPKINS AVE
YPSILANTI AVE
COLUMBIA AVE
Water Tank
16
17
18
Park
FAIRMOUNT AVE
Pontiac Northern High Sch
Le Baron Sch
Madison Jr High Sch
Alcott Sch
James Ch
CORNELL AVE
TENNYSON AVE
CHERRYLAWN
TRUNK
BOUNDARIES
PAINT SLUDGE FILTERS
HYDRO VAC FILTERS (BONDERITE)
FISHER BODY
WASTE TREAT.
SEALER & LDW. STORAGE
SCRAP PAINT THINNER & OIL STORAGE
NPDES NO. 1002,7804
PARKING
LENOX AVE
MADISON
JOSLYN
PERRY MOUNT PARK (CEMETERY)
Osmun Lake
North Kiwanis Park
Terry Lake
Terry Lake Park
Lincoln Jr High Sch
LE GRANDE ST
BONDERITE & PAINT STORAGE
19
20
21
Montcalm Playground
Water Tank
Oakland Park
McCarroll Sch
Oliver Playground
PERRY PARK
Mark Twain Sch
St Michaels Sch
OAK HILL CEMETERY
Clinton
UNIVERSITY
PONTIAC STATE HOSPITAL
30
29
28
Water Tank
Post Office
LIBERTY ST
Pontiac Central High Sch
Crofoot Sch
Webster Sch
Indian Village Park
Washington Jr High Sch
MENOMINEE
JOHNSON
Central Sch
Richardson Park
MICHIGAN
Eastern Jr High Sch
PONTIAC
City Hall
AUBURN
St Trinity Sch
WHITTEMORE ST
St Fredericks Sch
4 LANE
SCALE 1:24 000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
MN
GN
71 MILS
1°34'
28 MILS
UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
1°37'30"
83°17'30"

RCRA EPA — HAZARDOUS WASTE PERMIT APPLICATION
Consolidated Permits Program
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F MID005356910

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.)*

YR.	MO.	DAY
26		

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.

1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP

LINE NUMBER	A. PROCESS CODE (from list above)	B. 1. AMOUNT (specify)	B. 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G	
X-2	T03	20	E	
1	S01	18,700	G	
2	S02	600,000	G	
3	T01	768,000	U	
4				
5	T04	384,000	U	
6	T04	3,110,400	U	
7	T04	86,400	U	
8				
9				
10				

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04 - 384,000 GAL/DAY - WASTE WATER TREATMENT SLUDGE DEWATERING

T04 - 3,110,400 GAL/DAY - PAINT SLUDGE DEWATERING

T04 - 86,400 GAL/DAY - BONDERITE SLUDGE DEWATERING

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describe the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If your records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
For listed hazardous wastes: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.
Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
	0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				Included with above

NOTE: Photocopy this page before completing if you have more than 26 wastes to list. Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)														FOR OFFICIAL USE ONLY											
											T/A	C										T/A	C		
M	I	D	0	C	5	5	5	6	9	1	0		1	W		DUP						-	2	DUP	

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F001	4125	P	S01				
2	F002							INCLUDED WITH ABOVE
3	F007	620	T	S01				
4	F008							INCLUDED WITH ABOVE
5	F003	112,000	P	S01				
6	F005							INCLUDED WITH ABOVE
7	F018	850	T	S02	T04			
8	F006							INCLUDED WITH ABOVE
9	F009							INCLUDED WITH ABOVE
10	F010	1485	P	S01				
11	F011							INCLUDED WITH ABOVE
12	F017	850	T	S02	T04	S01		
13	D001	68	T	S01				
14	D002	315	P	S02	T01			
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

F	M	I	D	0	0	5	3	5	6	9	1	0	

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)
42 39 41.4	083 17 40.0

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
	G		

IX. OWNER CERTIFICATION

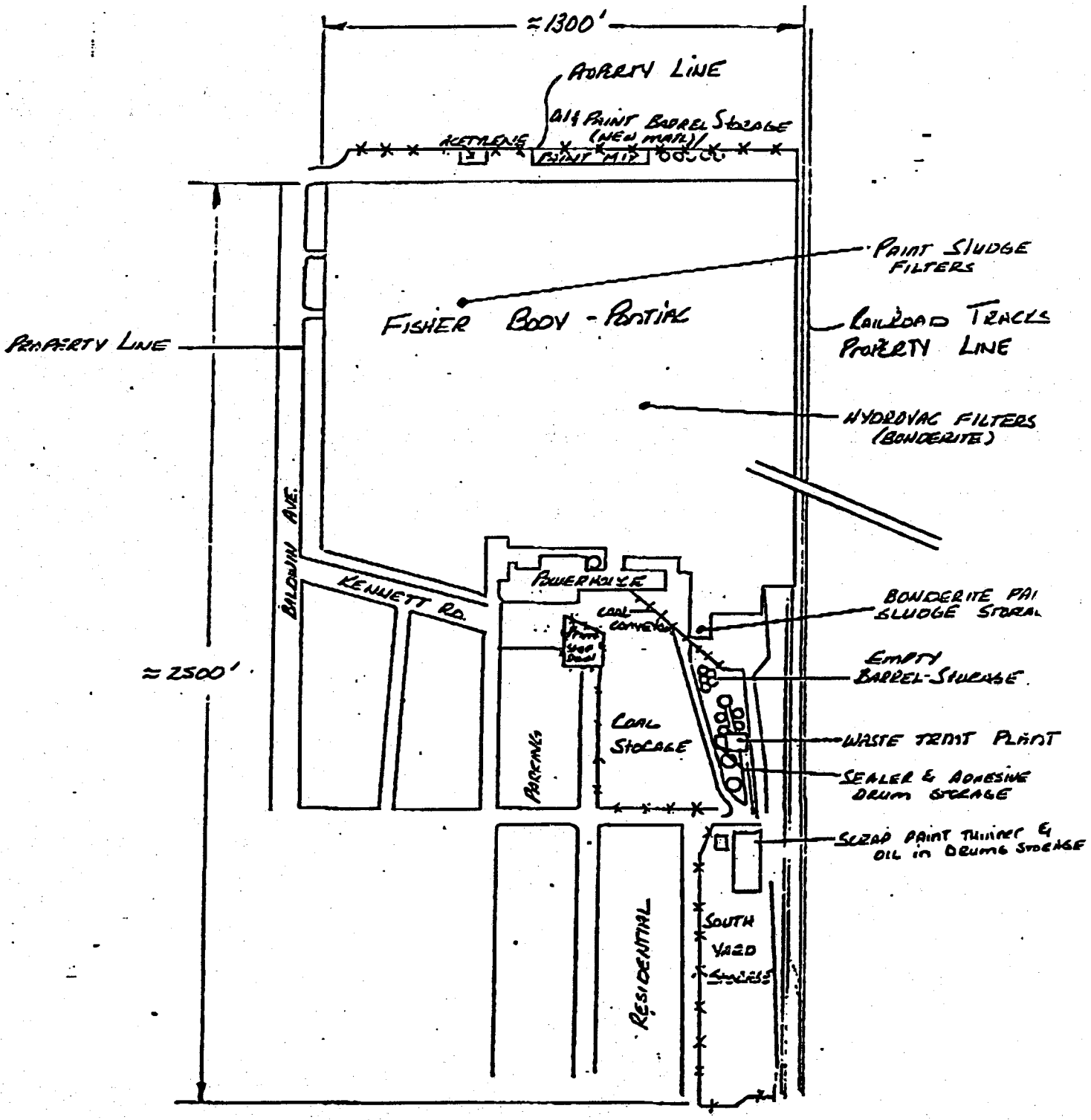
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
C. Katko, General Manager	C Katko	11-18-80

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. (print or type)	B. SIGNATURE	C. DATE SIGNED



APPROX. SIZE OF Bldg. AND STORAGE AREAS = 1,440,000 Sq. ft

Scale 1" = 400'

PS Form 3811, Aug. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one).
- ☑ Show to whom and date delivered..... 45¢
- ☐ Show to whom, date, and address of delivery..... ¢
- ☐ RESTRICTED DELIVERY
  Show to whom and date delivered..... ¢
- ☐ RESTRICTED DELIVERY.
  Show to whom, date, and address of delivery. $
  (CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
EPA Region V
RCRA Activities
P.O. Box 7861
Chicago, IL 60680

3. ARTICLE DESCRIPTION: (22) Hazardous Waste Applic.

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	114690	

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

4. DATE OF DELIVERY

CHICAGO IL POSTMARK NOV 21 1980 MAIN OFFICE STA USPS

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

☆ GPO: 1979-272-348

C-3

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
111 West Jackson Blvd.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF
RCRA ACTIVITIES

JUN 4 1982

S. Sasaki, Plant Manager
GMC Fisher Body Div. Pontiac
900 Baldwin Avenue
Pontiac, Michigan 48055

RE: Interim Status Acknowledgement USEPA ID No. MID005356910
FACILITY NAME: GMC Fisher Body Div. Pontiac

Dear Mr. Sasaki:

This is to acknowledge that the U.S. Environmental Protection Agency (USEPA) has completed processing your Part A Hazardous Waste Permit Application. It is the opinion of this office that the information submitted is complete and that you, as an owner or operator of a hazardous waste management facility, have met the requirements of Section 3005(e) of the Resource Conservation and Recovery Act (RCRA) for Interim Status. However, should USEPA obtain information which indicates that your application was incomplete or inaccurate, you may be requested to provide further documentation of your claim for Interim Status. Our opinion will be reevaluated on the basis of this information.

As an owner or operator of a hazardous waste management facility, you are requir to comply with the interim status standards as prescribed in 40 CFR Parts 122 and 265, or with State rules and regulations in those States which have been authorized under Section 3006 of RCRA. In addition, you are reminded that operating under interim status does not relieve you from the need to comply with all applicable State and local requirements.

The printout enclosed with this letter identifies the limit(s) of the process design capacities your facility may use during the interim status period. This information was obtained from your Part A Permit application. If you wish to handle new wastes, to change processes, to increase the design capacity of existing processes, or to change ownership or operational control of the facility, you may do so only as provided in 40 CFR Sections 122.22 and 122.23.

As stated in the first paragraph of this letter, you have met the requirements of 40 CFR Part 122.23; your facility may operate under interim status until such time as a permit is issued or denied. This will be preceded by a request from this office or the State (if authorized) for Part B of your application. Please contact Arthur Kawatachi of my staff at (312) 886-7449, if you have any questions concerning this letter or the enclosure.

Sincerely yours,

Karl J. Klepitsch, Jr., Chief
Waste Management Branch

Enclosure
cc: C. Kato, General Manager

FACILITY NAME	EPA ID NUMBER
GMC FISHER BODY DIV PONTIAC	MID005356910

FACILITY OPERATOR

GMC FISHER BODY DIV PONTIAC PLANT

FACILITY OWNER

GMC FISHER BODY DIV PONTIAC PLANT

FACILITY LOCATION

900 BALDWIN AVE
PONTIAC MI 48055

PROCESS CODE	DESIGN CAPACITY	UNIT OF MEASURE
T01	768000.00000	U
S02	600000.00000	G
S01	18700.00000	G
T04	3501600.00000	U

KEY

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE
STORAGE:		
CONTAINER	S01	G OR L
TANK	S02	G OR L
WASTE PILE	S03	Y OR C
SURFACE IMPOUNDMENT	S04	G OR L
DISPOSAL:		
INJECTION WELL	D79	G,L,U, OR V
LANDFILL	D80	A OR F
LAND APPLICATION	D81	B OR Q
OCEAN DISPOSAL	D82	U OR V
SURFACE IMPOUNDMENT	D83	G OR L
TREATMENT:		
TANK	T01	U OR V
SURFACE IMPOUNDMENT	T02	U OR V
INCINERATOR	T03	D,W,E, OR H
OTHER	T04	J,R,N,S,U,V

UNIT OF MEASURE	CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS\HOUR	W
GALLONS\HOUR	E
LITERS\HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q
POUNDS\HOUR	J
KILOGRAMS\HOUR	R
TONS PER DAY	N
METRIC TONS\DAY	S

C-4

CHEVROLET-PONTIAC CANADA GROUP
GENERAL MOTORS CORPORATION
FIERO ASSEMBLY PLANT
900 BALDWIN AVENUE
PONTIAC, MI 48058-3487

6-27-85

U. S. - E. P. A.
Region 5 RCRA Activities
239 S. Dearborn Street
Chicago, Il 60604

Please revise Part A - RCRA Permit MID005356910 as follows:

Change name from Pontiac Motor Division-Plant 17, General Motors Corp. To CPC Group-Pontiac Fiero Assembly, General Motors Corp.

Because of January 4, 1985 RCRA Amendments, the elimination of plant waste treatment facilities, production, and material changes, revise Form 3 - Part III - Processes - Codes and Design Capacities as follows:

1. Delete Line 2 - S02 - 600,000 Gal.
   Delete Line 3 - T01 - 768,000 Gal/Day
   Delete Line 5 - T04 - 384,000 Gal/Day

   The above tanks were used in conjunction with Plant Waste Treatment Building. The tanks and Waste Treatment Complex have been eliminated.

2. Delete Line 6 - T04 - 3,110,400 Gal/Day
   Delete Line 7 - T04 - 86,400 Gal/Day

   The above process waste water is transmitted via pipeline to Waste Treatment Plant at Main Plant and covered under Pre-Treatment Standards.

3. Add Line 2 - S02 - 12,000 G

   The above tank holds waste thinner for reclaim.

Revise Form 3 - Part IV - Description of Hazardous Wastes as follows:

1. Delete Line 1 - F001 - 4125 - P - S01
   Delete Line 2 - F002 - Included with above

   Plant has no halogenated wastes.

2. Delete Line 3 - F007 - 620 - T - S01
   Delete Line 4 - F008 - Included with above

Above wastes transmitted via pipeline to Waste Treatment Complex at Main Plant

3. Delete Line 5 - F003 - 112,000 - P - S01
   Delete Line 6 - F005 - Included with above

   Xylene and Toluene used only in Production Process as a reducer

4. Delete Line 7 - F018 - 850T - S02 - T04
   Delete Line 8 - F006 - Included with above
   Delete Line 9 - F009 - Included with above

   Above wastes transmitted via pipeline to Waste Treatment Complex at Main Plant

5. Delete Line 10 - F010 - 1485 P - S01
   Delete Line 11 - F011 - Included with above

   Plant does not have wastes from heat treat (oil bath sludges) and metal heating (salt baths)

6. Delete Line 12 - F017 - T - S02 - T04 - S01

   Removed from EPA Hazardous Waste List

7. Delete Line 14 - 315 - P - T01

   Battery acid wastes transmitted via pipeline to Waste Treatment Complex at Main Plant

8. Add line 2 - D001 - 100,000 - G - S02

   Thinner Wastes

G. A. Moore
Superintendent,
Plant Engineering

GAM/js
cc: S. Sasaki
R. Kieft
W.Collinson - EAS
L. Minkwick - DPC
F. Heiman

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F M I D 0 0 5 3 5 6 9 1 0

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, aff it in the designated space. Review the infor ation carefully; if any of it is incorrect, cro through it and enter the correct data in t appropriate fill—in area below. Also, if any the preprinted data is absent *(the area to t left of the label space lists the information that should appear)*, please provide it in t proper fill—in area(s) below. If the label complete and correct, you need not comple items I, III, V, and VI *(except VI-B whic must be completed regardless)*. Complete items if no label has been provided. Refer the instructions for detailed item descri tions and for the legal authorizations und which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold—faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACH
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		NA	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP: C P C P O N T I A C F I E R O A S S E M B L Y P L A N T O F G M C

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 G A M O O R E P L A N T E N G I N E E R	3 1 3 8 5 7 2 7 9 7

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 9 0 0 B A L D W I N

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 P O N T I A C	M I	4 8 0 5 5

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 9 0 0 B A L D W I N

B. COUNTY NAME

O A K L A N D

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 P O N T I A C	M I	4 8 0 5 5	0 6 3

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
3711 MOTOR VEHICLES	

C. THIRD	D. FOURTH

VIII. OPERATOR INFORMATION

A. NAME: CPC PONTIAC FIERO ASSEMBLY PLANT GMC

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC (other than federal or state); O = OTHER (specify)
P

D. PHONE (area code & no.): A 313 857 2797

E. STREET OR P.O. BOX: 900 BALDWIN

F. CITY OR TOWN: PONTIAC

G. STATE: MI

H. ZIP CODE: 48055

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9N MI0027804	9P

B. UIC (Underground Injection of Fluids)	E. OTHER (specify)
9U NA	9 (specify)

C. RCRA (Hazardous Wastes)	E. OTHER (specify)
9R MID005356910	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

PRODUCTION OF AUTOMOBILES

XIII. CERTIFICATION (see instructions)

This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
D.D. Cambell	D.D. Cambell	4/17/85

COMMENTS FOR OFFICIAL USE ONLY

SCALE 1:21000

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUI

(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

FORM 3 RCRA

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F M I D 0 0 5 3 5 6 9 1 0

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

☐ 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

C	YR.	MO.	DAY
8			

☐ 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. **PROCESS CODE** – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. **PROCESS DESIGN CAPACITY** – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR OR GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Item III-C.)*	T04	GALLONS PER DAY O LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP T/A C 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G	
X-2	T03	20	E	
1	S01	18,700	G	
2	S02	12,000	G	
3				
4				
5				
6				
7				
8				
9				
10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four—digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four—digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non—listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non—listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non—listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non—listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)		FOR OFFICIAL USE ONLY	
WMID005356910	1	W DUP	2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	68	T	S01	
2	D001	400	T	S02	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

EPA Form 3510-3 (6-80)

CONTINUE ON REVER

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. *(enter from page 1)*

													T/N	C
F	M	I	D	0	0	5	3	5	6	9	1	0		6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
42 39 41 N	083 17 40 W

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E	

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F	G		

IX. OWNER CERTIFICATION

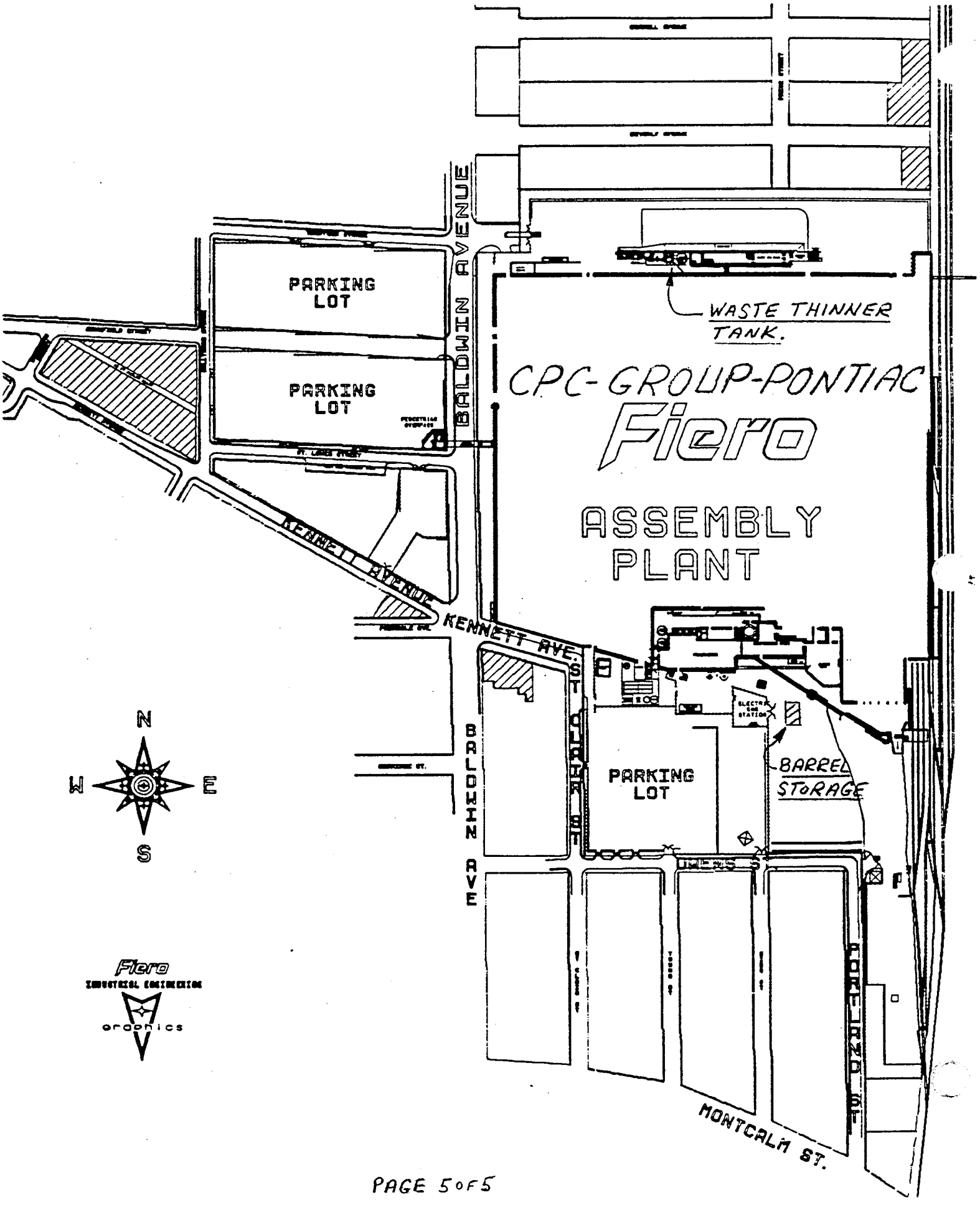
This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
D.D. Cambell	D.D. Campbell	6/27/85

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED


PARKING LOT
PARKING LOT
BALDWIN AVENUE
WASTE THINNER TANK.
CPC-GROUP-PONTIAC
Fiero
ASSEMBLY PLANT
KENNETT AVENUE
KENNETT AVE.
ST. CLAIR ST.
BALDWIN AVE
PARKING LOT
BARREL STORAGE
MONTCALM ST.
N
W
E
S
Fiero
INDUSTRIAL ENGINEERING
ergonics

C-5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:
5HS-JCK-13

DEC 02 1985

CERTIFIED MAIL P 611 589 372
RETURN RECEIPT REQUESTED

Mr. G. A. Moore
Superintendent, Plant Engineering
CPC Group-Pontiac Fiero Assembly
General Motors Corp.
900 Baldwin Ave.
Pontiac, MI 48058-3487

RE: Pontiac Fiero Assembly
Revised Part A Application
MID 005 356 910

Dear Mr. Moore:

I am writing in response to your revised Part A Hazardous Waste Management Application.

As discussed in your telephone conversation with Randi Kim of my staff, the units which have been deleted from your application were not regulated units. The treatment tanks were exempt under 40 CFR 265.1(c)(10) as "wastewater treatment units". The storage tanks were operating as "less than 90 days" storage units. Therefore, a partial closure plan is not requested.

Since you continue to store hazardous waste in tanks and containers for greater than 90 days, the status of your facility is that of a regulated storage facility.

Sincerely,

Edith M. Ardiente, P.E.
Chief, Technical Programs Section

cc: Alan J. Howard

CC F. HEIMAN
L. ATTWATER

C-6

Chevrolet·Pontiac·Canada Group
Pontiac Fiero Plant
General Motors Corporation
One Pontiac Plaza
Pontiac, Michigan 48053

February 14, 1986

U.S. - E.P.A.
Region 5 RCRA Activities
2395 Dearborn Street
Chicago, Il 60604

Dear Sirs:

Please revise Part A RCRA Permit MID005356910 Form 3-Part IV - Description of Hazardous Waste as follows:

Revise line 2 - EPA Hazard Waste Code
From D001 to F005

Line 2 to read: F005 - 400 T-S02 Thinner Wastes

Revised to reflect best classification.

G. A. Moore
Superintendent,
Plant Engineering

GAM/js
cc: S. Sasaki
R. Kieft
W. Collinson - EAS
L. Minkwick - CPC
F. Heiman

GENERAL INFORMATION

1 GENERAL | EPA

Consolidated Permits Program

(Read the "General Instructions" before starting.)

F MI0005356910

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affi it in the designated space. Review the inform ation carefully; if any of it is incorrect, cro through it and enter the correct data in th appropriate fill—in area below. Also, if the preprinted data is absent *(the are left of the label space lists the info that should appear)*, please provide it in th proper fill—in area(s) below. If the label complete and correct, you need not complet items I, III, V, and VI *(except VI-B whic must be completed regardless)*. Complete a items if no label has been provided. Refer t the instructions for detailed item descrip tions and for the legal authorizations unde which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold—faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACH
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		NA	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP CPC PONTIAC FIERO ASSEMBLY PLANT OF GMC

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 G A MOORE PLANT ENGINEER	313 857 2797

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX	B. CITY OR TOWN	C. STATE	D. ZIP CODE
3 900 BALDWIN	4 PONTIAC	MI	48058

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	B. COUNTY NAME	C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
5 900 BALDWIN	OAKLAND	6 PONTIAC	MI	48058	063

7 3711 (specify) MOTOR VEHICLES	7 (specify)
C. THIRD	D. FOURTH
7 (specify)	7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: 8 CPC PONTIAC FIERO ASSEMBLY PLANT GMC

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

P (specify)

D. PHONE (area code & no.): A 313 857 2797

E. STREET OR P.O. BOX: 900 BALDWIN

F. CITY OR TOWN	G. STATE	H. ZIP CODE
8 PONTIAC	MI	48058

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N MI0027804	9 P
B. UIC (Underground Injection of Fluids)	E. OTHER (specify)
9 U NA	9 (specify)
C. RCRA (Hazardous Wastes)	E. OTHER (specify)
9 R MID005356910	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

PRODUCTION OF AUTOMOBILES

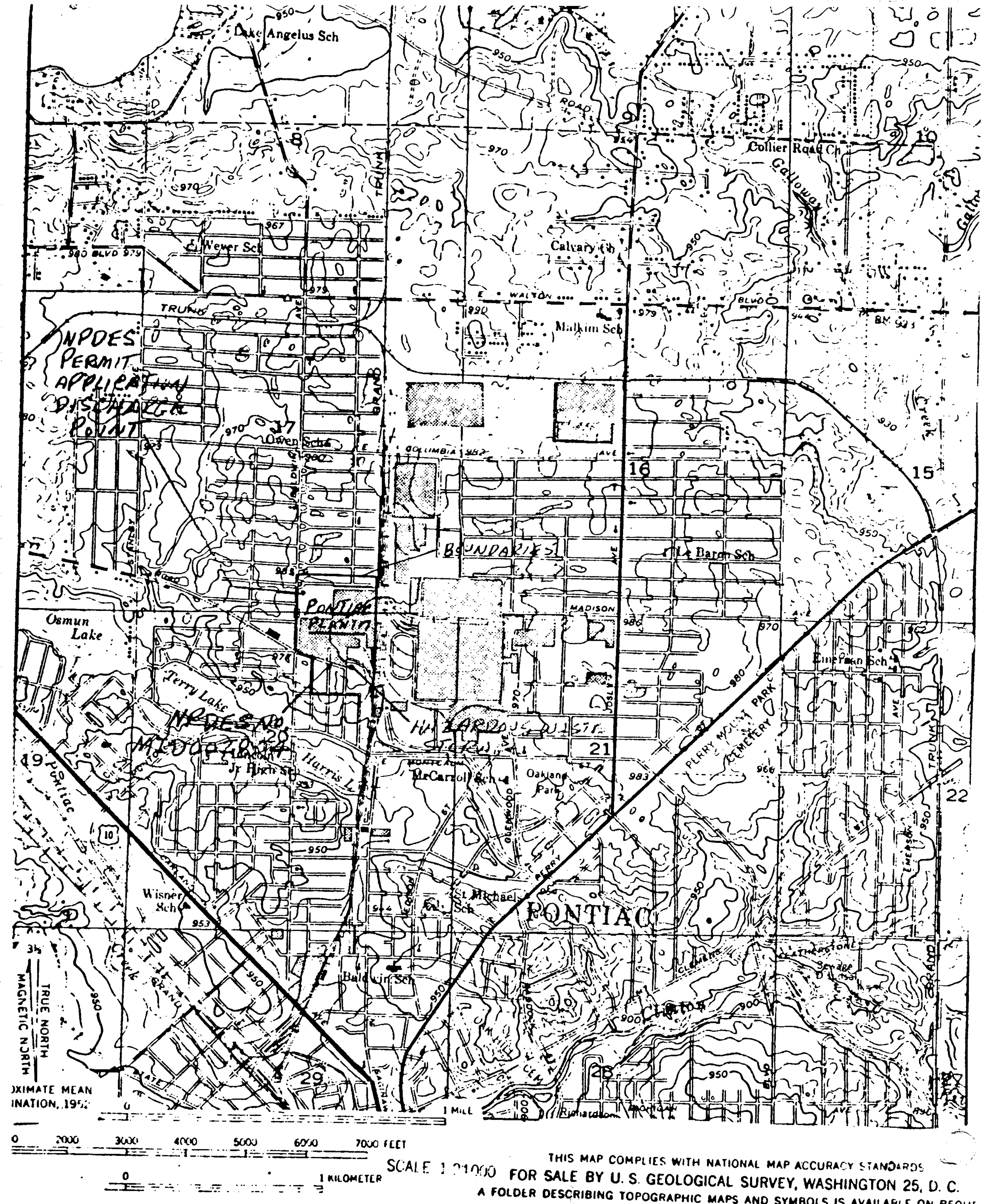
XIII. CERTIFICATION (see instructions)

This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Acting Plant Manager	F. J. Slaughter	2/21/86

COMMENTS FOR OFFICIAL USE ONLY

EPA Form 3510-1 (6-80) REVERSE



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUE

CONTOUR INTERVAL 10 FEET

DATUM IS MEAN SEA LEVEL

FORM 3 RCRA | EPA

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F M I D 0 0 5 3 5 6 9 1 0

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

☐ 2. NEW FACILITY (Complete item below.)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP Y/A C 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	18,700	G		7				
2	S02	12,000	G		8				
3					9				
4					10				

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Suopart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking in account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

EPA I.D. NUMBER (enter from page 1): W M I D 0 0 5 3 5 6 9 1 0 | T/A C: 1

FOR OFFICIAL USE ONLY: W DUP | T/A C: 2 | DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001	68	T	S01	
2	F005	400	T	S02	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
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24					
25					

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

EPA I.D. NO. (enter from page 1)

F M T 0 0 5 3 5 6 9 1 0 V/A 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)
42 39 41 N	083 17 40 W

VIII. FACILITY OWNER

X A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. (area code & no.)
E	

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F	G		

IX. OWNER CERTIFICATION

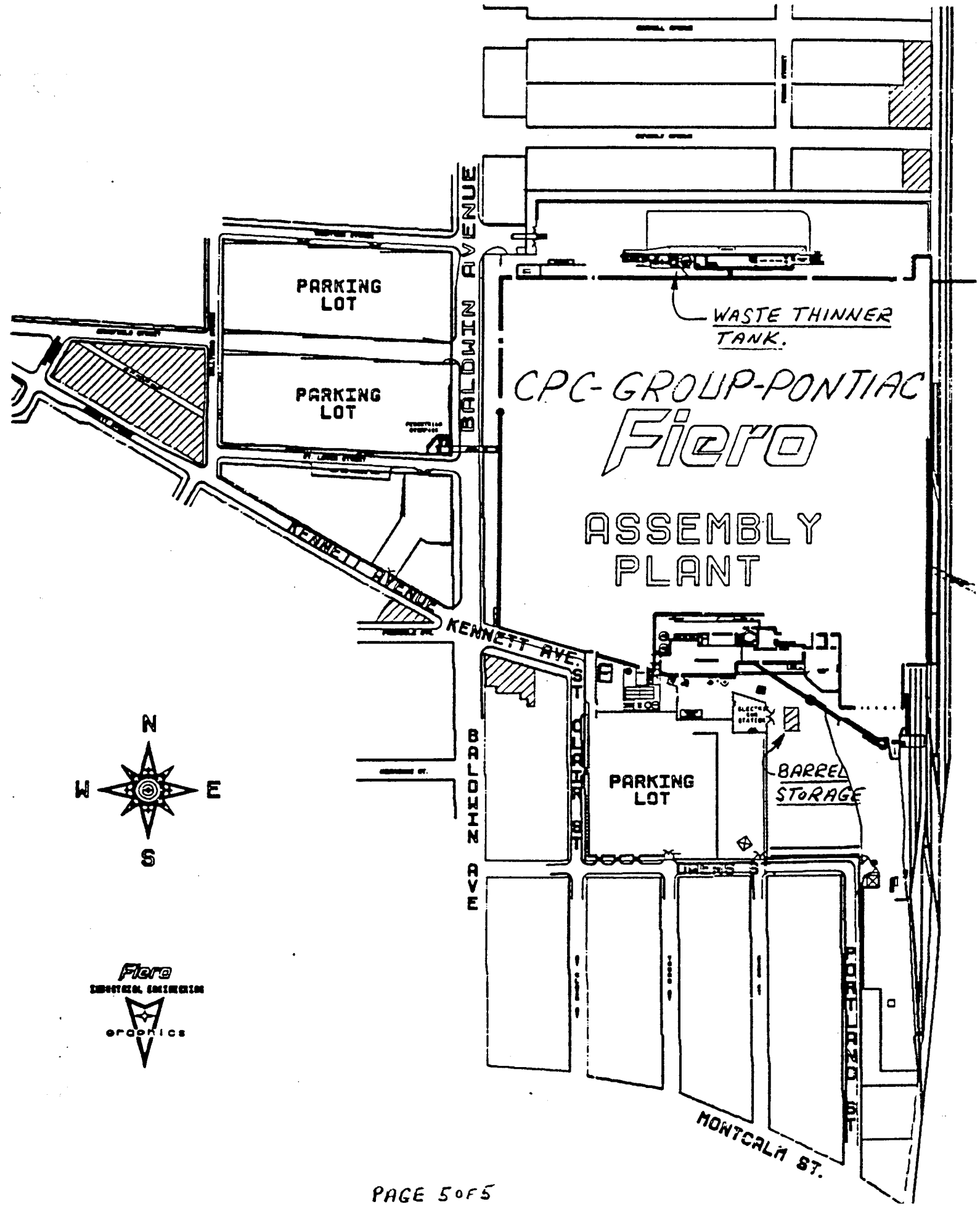
This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
F.L. Slaughter	F. L. Slaughter	2/21/86

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED


PARKING LOT
PARKING LOT
BALDWIN AVENUE
KENNETT AVENUE
KENNETT AVE.
WASTE THINNER TANK.
CPC-GROUP-PONTIAC
Fiero
ASSEMBLY PLANT
PARKING LOT
BARREL STORAGE
ST. CLAIR ST.
BALDWIN AVE
MONTCALM ST.
N
W
E
S
Fiero
ergonics

C-7

Chevrolet · Pontiac · Canada Group
Pontiac Fiero Plant
General Motors Corporation
One Pontiac Plaza
Pontiac, Michigan 48058-3487

November 4, 1987

Mr. Steven Blayer
Environmental Engineer
Michigan Department Of Natural Resources

RE: REVISION OF PART "A" - RCRA PERMIT FOR GMC - CPC FIERO PLANT
MID005356910

Dear Mr. Blayer,

PLEASE REVISE PART A - RCRA PERMIT MID005356910 AS FOLLOWS:

Change the facility mailing address from 900 Baldwin, Pontiac, MI. 48055 to One Pontiac Plaza, Pontiac, MI. 48058.

REVISE FORM 3 - PART IV - DESCRIPTION OF HAZARDOUS WASTES AS FOLLOWS:

1. Add line 3 - F003 - 10 - T - S01

   Waste solvents containing Acetone are now generated.

2. Add line 4 - F001 - 2 - T - S01

   1,1,1, - Trichloroethane is now generated as a Spent Degreaser Waste.

3. A new Drum Storage Area has been constructed and the location is shown on Page 5 of 5. The new area is constructed of concrete; contained and has the same storage capacity (370 Drums) as the former area.

G. A. Moore
Superintendent
CPC - Fiero Assembly
Plant Engineering

GAM/dh

cc: R. Kieft - PMD
W. Collinson - E.A.S.
L. Garey - C.P.C. Headquarters
F. Heiman
E. Ardiente - U.S. EPA - Region V

RCRA

Form Approved OMB No. 158-R0175

EPA GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

GENERAL

I. EPA I.D. NUMBER: F MI D 0 0 5 3 5 6 9 1 0

II. FACILITY NAME

III. FACILITY MAILING ADDRESS

IV. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (*the area to the left of the label space lists the information that should appear*), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (*except* [illegible] *must be completed regardless*). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		N.A.	D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing; within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP: CPC PONTIAC FIERO ASSEMBLY PLANT OF GMC

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 G A MOORE PLANT ENGINEER	313 857 2797

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX			
3 ONE PONTIAC PLAZA			
B. CITY OR TOWN	**C. STATE**	**D. ZIP CODE**	
4 PONTIAC	MI	48058	

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER			
5 900 BALDWIN			
B. COUNTY NAME			
OAKLAND			
C. CITY OR TOWN	**D. STATE**	**E. ZIP CODE**	**F. COUNTY CODE (if known)**
PONTIAC	MI	48058	063

EPA Form 3510-1 (6-80)

VII. [illegible] (4 digit, in order of priority)

A. FIRST: 3711 (specify) MOTOR VEHICLES

B. SECOND: (specify)

C. THIRD: (specify)

D. FOURTH: (specify)

VIII. OPERATOR INFORMATION

A. NAME: CPC PONTIAC FIERO ASSEMBLY

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC (other than federal or state); O = OTHER (specify)
P (specify)

D. PHONE (area code & no.): A 313 857 2797

E. STREET OR P.O. BOX: 900 BALDWIN

F. CITY OR TOWN: PONTIAC

G. STATE: MI

H. ZIP CODE: 48058

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N MI0027804

B. UIC (Underground Injection of Fluids): 9 U N.A.

C. RCRA (Hazardous Wastes): 9 MIDO05356910

D. PSD (Air Emissions from Proposed Sources): 9 P

E. OTHER (specify): 9 (specify)

E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

PRODUCTION OF AUTOMOBILES

XIII. CERTIFICATION (see instructions)

This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A. NAME & OFFICIAL TITLE (type or print): PLANT MANAGER

B. SIGNATURE: X Richard L. [illegible]

C. DATE SIGNED: 11-6-87

COMMENTS FOR OFFICIAL USE ONLY

Form 3510-1 (6-80) REVERSE

Form Approved OMB No. 158-S800.

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

RCRA

I. EPA I.D. NUMBER: F M I D 0 0 5 3 5 6 9 1 0

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

YR.	MO.	DAY
8		

☐ 2. NEW FACILITY (Complete item below.)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY – 1. AMOUNT – Enter the amount.

2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR OR GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

UNIT OF MEASURE	UNIT OF MEASURE CODE
LITERS PER DAY	V
TONS PER HOUR	O
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

UNIT OF MEASURE	UNIT OF MEASURE CODE
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP T/A C 1

LINE NUMBER	A. PROCESS CODE (From list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (From list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	18,700	G		7				
2	S02	12,000	G		8				
3					9				
4					10				

Continued from the front.

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous wastes: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K054	900	P	T03 D80	
	002	400	P	T03 D80	
X-3	D001	100	P	T03 D80	
X-4	D002				included with above

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)

W M I D 0 0 5 3 5 6 9 1 0 — 1

W DUP — 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	68	T	S01	
2	F005	400	T	S02	
3	F003	10	T	S01	
4	F001	2	T	S01	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

ontinued from the front.

[illegible] OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

[illegible]

EPA I.D. NO. *(enter from page 1)*

											V/A	C
M	E	D	0	0	5	3	5	6	9	1	0	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail).*

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground–level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail).*

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
42 39 41 N	083 17 40 W

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
	G		

IX. OWNER CERTIFICATION

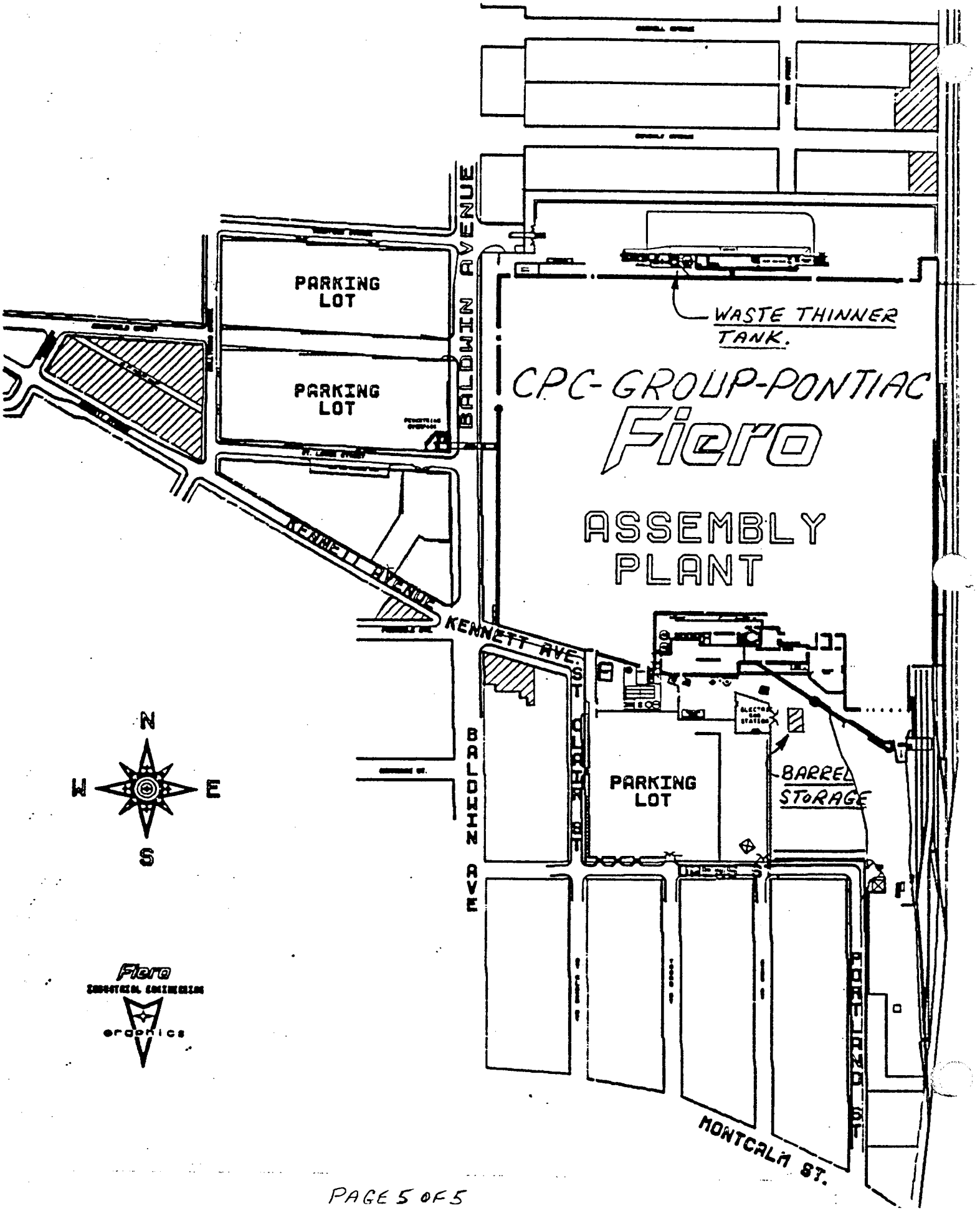
This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
R.L. McKINNON	X Richard L. McKinnon	11-6-87

X. OPERATOR CERTIFICATION

certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached [illegible]ts, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the [illegible]d information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED


PARKING LOT
PARKING LOT
BALDWIN AVENUE
KENNETT AVENUE
WASTE THINNER TANK.
CPC-GROUP-PONTIAC
Fiero
ASSEMBLY PLANT
KENNETT AVE.
BALDWIN AVE
PARKING LOT
BARREL STORAGE
MONTCALM ST.
N
W
E
S
Fiero
ergonics

C-8

STATE OF MICHIGAN

FRANK

JAMES J. BLANCHARD, Governor

DEPARTMENT OF NATURAL RESOURCES

STEVENS T. MASON BUILDING
BOX 30028
LANSING, MI 48909

GORDON E. GUYER, Director

November 30, 1987

Mr. Gerald A. Moore
Plant Manager
General Motors, C-P-C Fiero Assembly
One Pontiac Plaza
Pontiac, Michigan 48058

Dear Mr. Moore:

SUBJECT: GM C-P-C Fiero Assembly
MID 005 356 910
Revised Part A Application

Your revised Part A application, which we received November 4, 1987, has been reviewed and the following changes have been approved:

1. The facility mailing address has been changed to One Pontiac Plaza, Pontiac, Michigan, 48058.

2. Waste types F001 and F003 have been added to Form 3 of the Part A application. These wastes will be stored in containers.

Please provide Waste Management Division with engineering plans for the new container storage area so we can determine whether the area is adequate to store all of the waste types listed in the Part A application.

If you have questions, please contact Mr. Stephen Blayer, the environmental engineer in charge of the review, at 517-373-7739.

Sincerely,

Alan J. Howard

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
Mr. Stephen Blayer, WMD
Ms. Lynne King, WMD, Northville

Attachment 2

Historical Aerial Photographs

RACER Tust Fiero Parking Lot

Not Reported

PONTIAC, MI 48340

Inquiry Number: 7580552.1

February 28, 2024

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

02/28/24

Site Name:

RACER Tust Fiero Parking Lot
Not Reported
PONTIAC, MI 48340
EDR Inquiry # 7580552.1

Client Name:

ARCADIS U.S., Inc.
2855 Cabot Drive
Novi, MI 48377
Contact: Tiffany Linder

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.

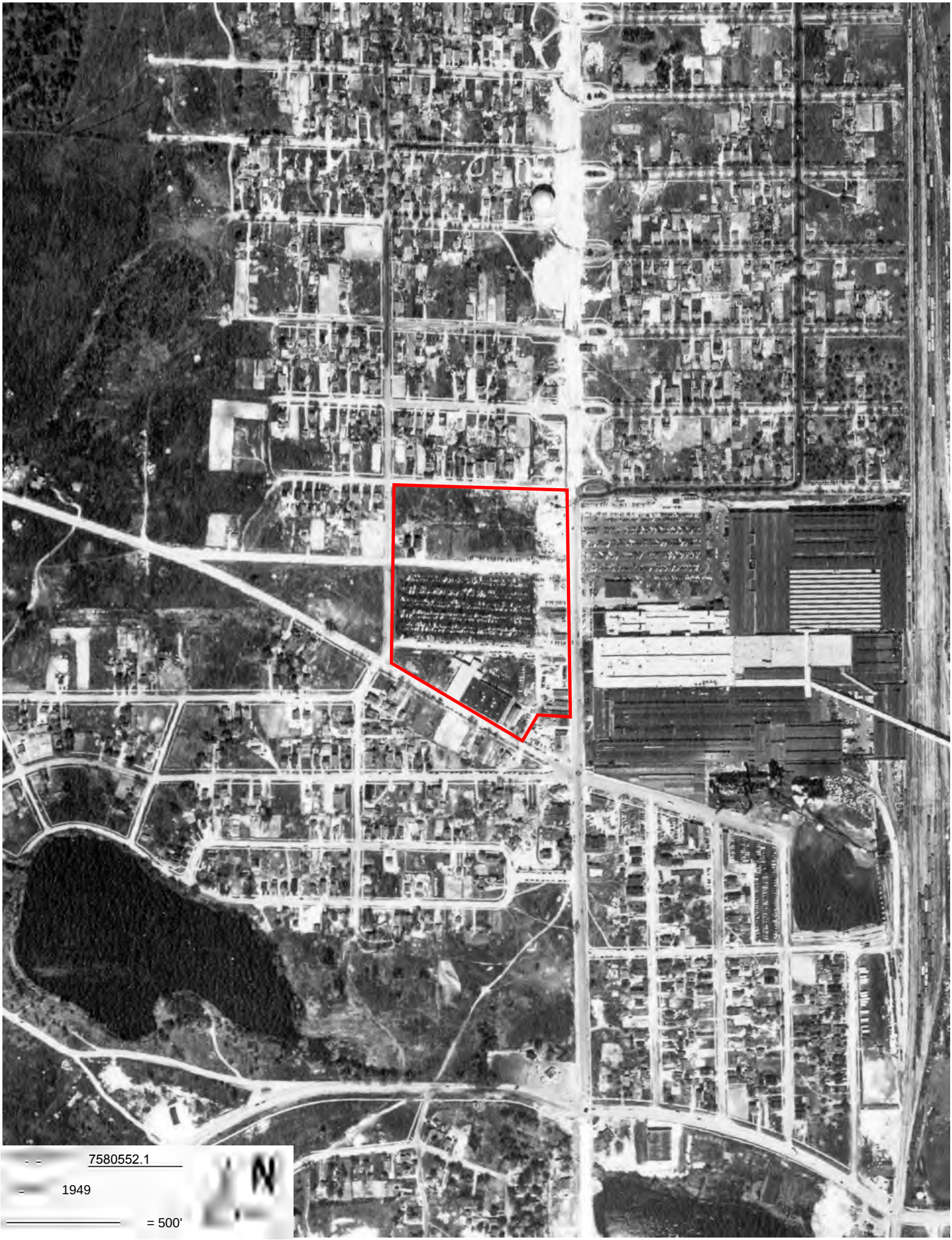
Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
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

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


7580552.1
1937
= 500'
N


7580552.1
1940
= 500'
N


7580552.1
1949
= 500'
N


7580552.1
1952
N
= 500'


7580552.1
1956
= 500'
N


7580552.1
1967
= 500'
N


7580552.1
1972
= 500'
N


7580552.1
1976
= 500'
N


7580552.1
1983
= 500'
N


7580552.1
1987
= 500'
N

7580552.1

1997

= 500'

N


7580552.1
1999
= 500'
N


7580552.1
2005
= 500'
N


7580552.1
2009
= 500'
N


INQUIRY #: 7580552.1
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7580552.1
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7580552.1
YEAR: 2020
= 500'
N
EDR

Attachment 3

Historical Sanborn Maps

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Kelly F. Connolly
Conestoga-Rovers &
8615 West Bryn Mawr
Chicago, IL 60631

Order Date: 8/13/2004 **Completion Date:** 8/16/2004
Inquiry #: 1249399.2s
P.O. #: NA
Site Name: 037082 - Pontiac MI
Address: Baldwin Avenue/St. Louis Ave
City/State: Pontiac, MI 48340
Cross Streets:

Customer Project: NA
1103659ROG 773-380-9933

Based on client-supplied information, fire insurance maps for the following years were identified

1924 - 1 Map
1950 - 1 Map
1970 - 1 Map

Limited Permission to Photocopy

Total Maps: 3

Electronic Sanborn Map Images
USER'S GUIDE

Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

- First Page Sanborn Map Report, listing years of coverage
- Second Page Electronic Sanborn Map Images USER'S GUIDE
- Third Page Oldest Sanborn Map Image
- Last Page Most recent Sanborn Map Image

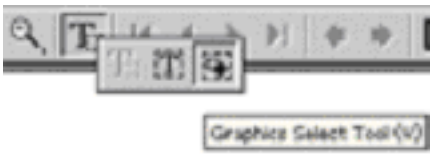
Navigating the Electronic Sanborn Image File

- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
  - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
  - On the menu bar, click "View" and then zoom.
  - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

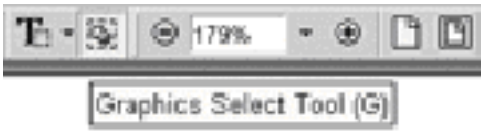
- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4



- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Hightlight "Edit"
- Hightlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

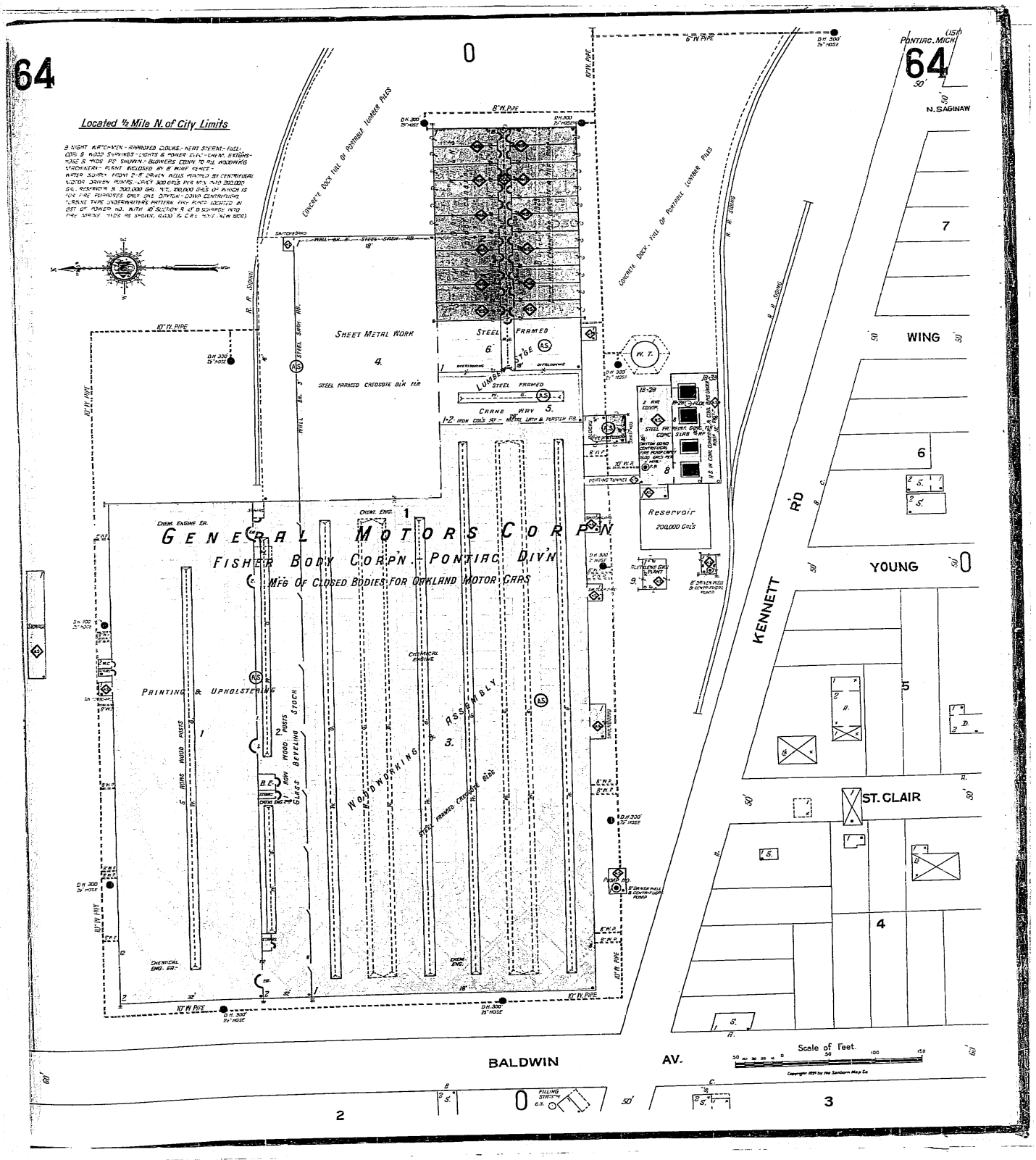
Acrobat Version 5

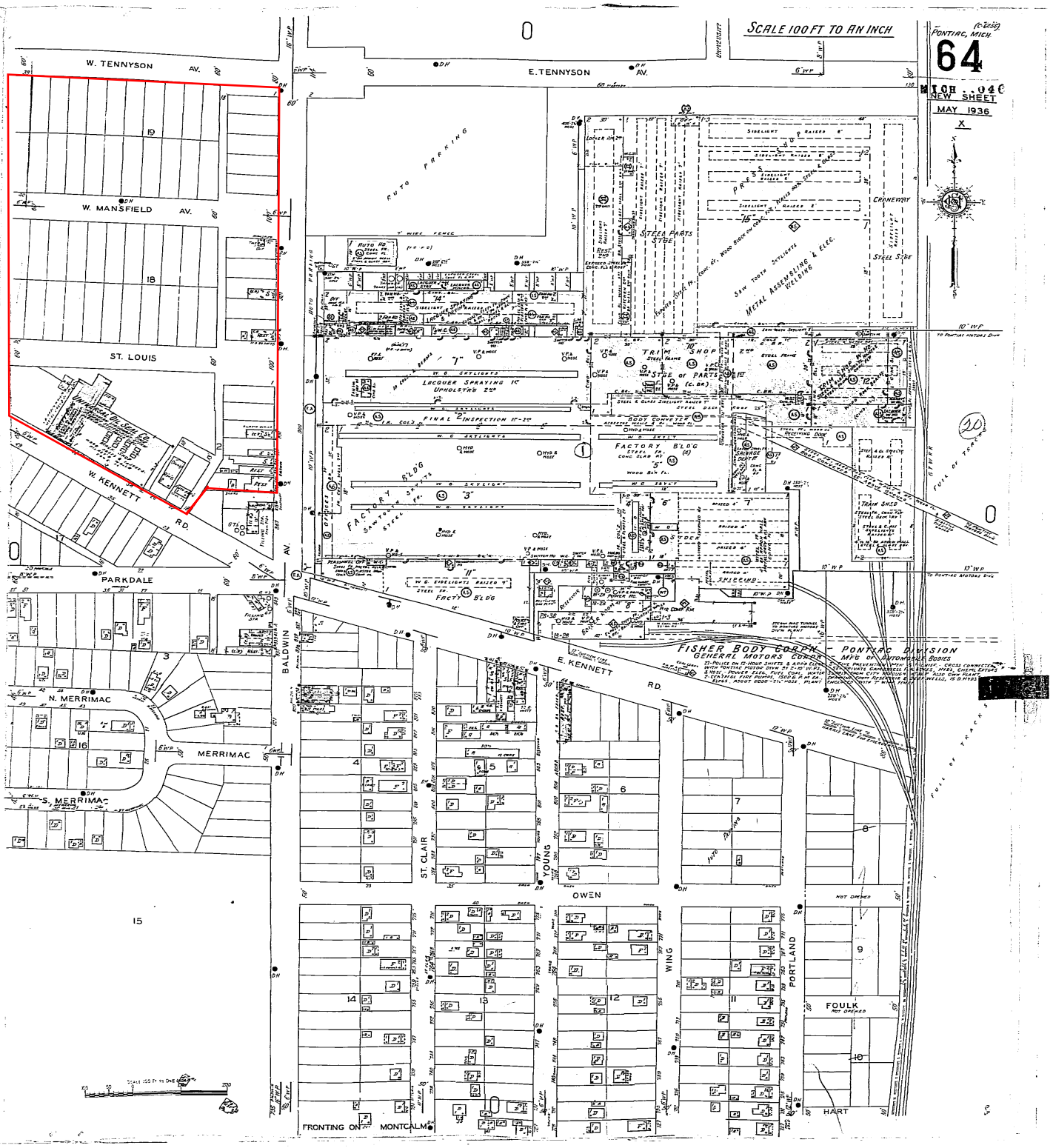


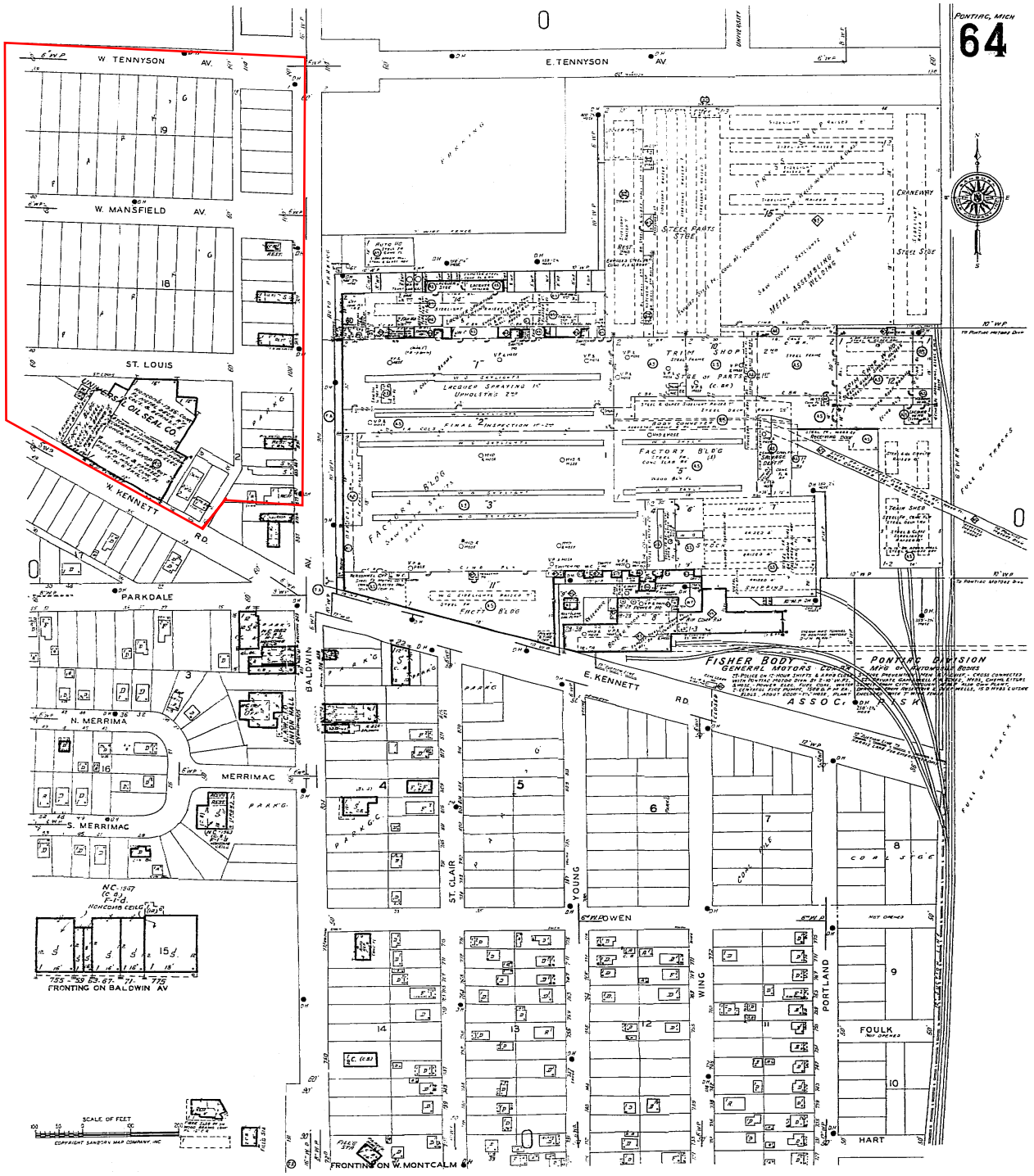
- Go to the Menu bar
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

Important Information about Email Delivery of Electronic

- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.







Attachment 4

2024 Groundwater Analytical Laboratory Report

Analytical Laboratory Report

Report ID: S68472.06(01)
Generated on 11/26/2024

Report to

Attention: Lexi Nickerson
Arcadis US, Inc.
28550 Cabot Drive, Suite 500
Novi, MI 48377

Phone: C: 248-994-1734 FAX:
Email: Alexis.Nickerson@arcadis.com

Addtional Contacts: Ian Drost, Tiffany Linder

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S68472.06-S68472.13
Project: 30214041 / Racer PNC Task 6
Collected Date(s): 11/11/2024
Submitted Date/Time: 11/12/2024 17:10
Sampled by: Alaina Raiko + Garrett Link
P.O. #: 30214041

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Starred (*) analytes are not NY NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.
Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.
All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.
For a specific list of accredited analytes, please feel free to contact the laboratory or visit https://www.meritlabs.com/certifications.

Report Narrative

Report only samples .06-.13 per client request

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
E245.1	EPA Method 245.1 Revision 3.0
N/A	Not Applicable
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW5030C/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003

Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S68472.06	PZF17-04_GW-111124	Groundwater	11/11/24 11:10
S68472.07	PZF17-03_GW-111124	Groundwater	11/11/24 12:45
S68472.08	PZF17-03_GW-111124 MS	Groundwater	11/11/24 12:45
S68472.09	PZF17-03_GW-111124 MSD	Groundwater	11/11/24 12:45
S68472.10	PZF17-02_GW-111124	Groundwater	11/11/24 14:00
S68472.11	PZF17-01_GW-111124	Groundwater	11/11/24 15:10
S68472.12	PZF17-05_GW-111124	Groundwater	11/11/24 16:55
S68472.13	DUP-04_111124	Groundwater	11/11/24 00:01

Analytical Laboratory Report

Lab Sample ID: S68472.06
Sample Tag: PZF17-04_GW-111124
Collected Date/Time: 11/11/2024 11:10
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:08, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	Not detected	0.005		mg/L	5	7440-36-0	
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	0.107	0.005		mg/L	5	7440-39-3	
Beryllium	Not detected	0.001		mg/L	5	7440-41-7	
Cadmium	Not detected	0.0005		mg/L	5	7440-43-9	
Chromium	Not detected	0.005		mg/L	5	7440-47-3	
Cobalt	Not detected	0.005		mg/L	5	7440-48-4	
Copper	Not detected	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Manganese	0.043	0.005		mg/L	5	7439-96-5	
Nickel	Not detected	0.005		mg/L	5	7440-02-0	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Thallium	Not detected	0.002		mg/L	5	7440-28-0	
Vanadium	Not detected	0.005		mg/L	5	7440-62-2	
Zinc	Not detected	0.005		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:31, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Lab Sample ID: S68472.07
Sample Tag: PZF17-03_GW-111124
Collected Date/Time: 11/11/2024 12:45
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:22, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	Not detected	0.005		mg/L	5	7440-36-0	
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	0.070	0.005		mg/L	5	7440-39-3	
Beryllium	Not detected	0.001		mg/L	5	7440-41-7	
Cadmium	Not detected	0.0005		mg/L	5	7440-43-9	
Chromium	Not detected	0.005		mg/L	5	7440-47-3	
Cobalt	Not detected	0.005		mg/L	5	7440-48-4	
Copper	Not detected	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Manganese	0.011	0.005		mg/L	5	7439-96-5	
Nickel	Not detected	0.005		mg/L	5	7440-02-0	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Thallium	Not detected	0.002		mg/L	5	7440-28-0	
Vanadium	Not detected	0.005		mg/L	5	7440-62-2	
Zinc	0.008	0.005		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:35, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Lab Sample ID: S68472.08
Sample Tag: PZF17-03_GW-111124 MS
Collected Date/Time: 11/11/2024 12:45
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:25, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	0.25	0.05		mg/L	5	7440-36-0	
Arsenic	0.25	0.02		mg/L	5	7440-38-2	
Barium	0.31	0.05		mg/L	5	7440-39-3	
Beryllium	0.25	0.01		mg/L	5	7440-41-7	
Cadmium	0.236	0.005		mg/L	5	7440-43-9	
Chromium	0.25	0.05		mg/L	5	7440-47-3	
Cobalt	0.25	0.05		mg/L	5	7440-48-4	
Copper	0.24	0.05		mg/L	5	7440-50-8	
Lead	0.23	0.03		mg/L	5	7439-92-1	
Manganese	0.26	0.05		mg/L	5	7439-96-5	
Nickel	0.24	0.05		mg/L	5	7440-02-0	
Selenium	0.24	0.05		mg/L	5	7782-49-2	
Silver	0.227	0.005		mg/L	5	7440-22-4	
Thallium	0.22	0.02		mg/L	5	7440-28-0	
Vanadium	0.26	0.05		mg/L	5	7440-62-2	
Zinc	0.25	0.05		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:45, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Lab Sample ID: S68472.09
Sample Tag: PZF17-03_GW-111124 MSD
Collected Date/Time: 11/11/2024 12:45
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:27, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	0.25	0.05		mg/L	5	7440-36-0	
Arsenic	0.25	0.02		mg/L	5	7440-38-2	
Barium	0.31	0.05		mg/L	5	7440-39-3	
Beryllium	0.25	0.01		mg/L	5	7440-41-7	
Cadmium	0.233	0.005		mg/L	5	7440-43-9	
Chromium	0.25	0.05		mg/L	5	7440-47-3	
Cobalt	0.25	0.05		mg/L	5	7440-48-4	
Copper	0.23	0.05		mg/L	5	7440-50-8	
Lead	0.23	0.03		mg/L	5	7439-92-1	
Manganese	0.26	0.05		mg/L	5	7439-96-5	
Nickel	0.24	0.05		mg/L	5	7440-02-0	
Selenium	0.24	0.05		mg/L	5	7782-49-2	
Silver	0.224	0.005		mg/L	5	7440-22-4	
Thallium	0.22	0.02		mg/L	5	7440-28-0	
Vanadium	0.26	0.05		mg/L	5	7440-62-2	
Zinc	0.24	0.05		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:48, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Lab Sample ID: S68472.10
Sample Tag: PZF17-02_GW-111124
Collected Date/Time: 11/11/2024 14:00
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:11, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	Not detected	0.005		mg/L	5	7440-36-0	
Arsenic	0.003	0.002		mg/L	5	7440-38-2	
Barium	0.117	0.005		mg/L	5	7440-39-3	
Beryllium	Not detected	0.001		mg/L	5	7440-41-7	
Cadmium	Not detected	0.0005		mg/L	5	7440-43-9	
Chromium	Not detected	0.005		mg/L	5	7440-47-3	
Cobalt	Not detected	0.005		mg/L	5	7440-48-4	
Copper	Not detected	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Manganese	0.253	0.005		mg/L	5	7439-96-5	
Nickel	Not detected	0.005		mg/L	5	7440-02-0	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Thallium	Not detected	0.002		mg/L	5	7440-28-0	
Vanadium	Not detected	0.005		mg/L	5	7440-62-2	
Zinc	0.006	0.005		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:51, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Lab Sample ID: S68472.11
Sample Tag: PZF17-01_GW-111124
Collected Date/Time: 11/11/2024 15:10
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:13, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	Not detected	0.005		mg/L	5	7440-36-0	
Arsenic	0.011	0.002		mg/L	5	7440-38-2	
Barium	0.072	0.005		mg/L	5	7440-39-3	
Beryllium	Not detected	0.001		mg/L	5	7440-41-7	
Cadmium	Not detected	0.0005		mg/L	5	7440-43-9	
Chromium	Not detected	0.005		mg/L	5	7440-47-3	
Cobalt	0.007	0.005		mg/L	5	7440-48-4	
Copper	0.009	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Manganese	0.286	0.005		mg/L	5	7439-96-5	
Nickel	Not detected	0.005		mg/L	5	7440-02-0	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Thallium	Not detected	0.002		mg/L	5	7440-28-0	
Vanadium	Not detected	0.005		mg/L	5	7440-62-2	
Zinc	0.017	0.005		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:55, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Lab Sample ID: S68472.12
Sample Tag: PZF17-05_GW-111124
Collected Date/Time: 11/11/2024 16:55
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR
3	40mL Glass	HCL	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
pH check for VOCs*	<2	N/A	11/14/24 10:57	ACK	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:15, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	Not detected	0.005		mg/L	5	7440-36-0	
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	0.039	0.005		mg/L	5	7440-39-3	
Beryllium	Not detected	0.001		mg/L	5	7440-41-7	
Cadmium	0.0008	0.0005		mg/L	5	7440-43-9	
Chromium	0.008	0.005		mg/L	5	7440-47-3	
Cobalt	0.007	0.005		mg/L	5	7440-48-4	
Copper	Not detected	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Manganese	0.734	0.005		mg/L	5	7439-96-5	
Nickel	0.010	0.005		mg/L	5	7440-02-0	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Thallium	Not detected	0.002		mg/L	5	7440-28-0	
Vanadium	Not detected	0.005		mg/L	5	7440-62-2	
Zinc	0.029	0.005		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 16:58, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Volatiles

Tetrachloroethene/Carbon tetrachloride, Method: SW5030C/8260C, Run Date: 11/13/24 18:51, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Carbon tetrachloride	1	1		ug/L	1	56-23-5	

Lab Sample ID: S68472.13
Sample Tag: DUP-04_111124
Collected Date/Time: 11/11/2024 00:01
Matrix: Groundwater
COC Reference: 176247

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	5.4	IR
3	40mL Glass	HCL	Yes	5.4	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Mercury Digestion	Completed	E245.1	11/19/24 12:16	CTV	
pH check for VOCs*	<2	N/A	11/14/24 10:57	ACK	
Metal Digestion	Completed	SW3015A	11/26/24 09:00	JRH	

Metals

Method: E200.8, Run Date: 11/26/24 13:17, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Antimony*	Not detected	0.005		mg/L	5	7440-36-0	
Arsenic	Not detected	0.002		mg/L	5	7440-38-2	
Barium	0.035	0.005		mg/L	5	7440-39-3	
Beryllium	Not detected	0.001		mg/L	5	7440-41-7	
Cadmium	Not detected	0.0005		mg/L	5	7440-43-9	
Chromium	Not detected	0.005		mg/L	5	7440-47-3	
Cobalt	Not detected	0.005		mg/L	5	7440-48-4	
Copper	Not detected	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Manganese	0.411	0.005		mg/L	5	7439-96-5	
Nickel	0.006	0.005		mg/L	5	7440-02-0	
Selenium	Not detected	0.005		mg/L	5	7782-49-2	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Thallium	Not detected	0.002		mg/L	5	7440-28-0	
Vanadium	Not detected	0.005		mg/L	5	7440-62-2	
Zinc	0.020	0.005		mg/L	5	7440-66-6	

Method: E245.1, Run Date: 11/19/24 17:01, Analyst: CTV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Mercury	Not detected	0.0002		mg/L	1	7439-97-6	

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 11/13/24 19:15, Analyst: NDK

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10		ug/L	1	60-29-7	
Acetone	Not detected	50		ug/L	1	67-64-1	
Methyl iodide	Not detected	1		ug/L	1	74-88-4	
Carbon disulfide	Not detected	5		ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5		ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2		ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25		ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5		ug/L	1	75-71-8	
Chloromethane	Not detected	5		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	

Lab Sample ID: S68472.13 (continued)
Sample Tag: DUP-04_111124

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 11/13/24 19:15, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Bromomethane	Not detected	5		ug/L	1	74-83-9	
Chloroethane	Not detected	5		ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1		ug/L	1	156-59-2	
Tetrahydrofuran	Not detected	90		ug/L	1	109-99-9	
Chloroform	Not detected	1		ug/L	1	67-66-3	
Bromochloromethane	Not detected	1		ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50		ug/L	1	108-10-1	
2-Hexanone	Not detected	50		ug/L	1	591-78-6	
Carbon tetrachloride	1	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1		ug/L	1	75-27-4	
Dibromomethane	Not detected	5		ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1		ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5		ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1		ug/L	1	106-93-4	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1		ug/L	1	630-20-6	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
p,m-Xylene	Not detected	2		ug/L	1		
o-Xylene	Not detected	1		ug/L	1	95-47-6	
Styrene	Not detected	1		ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5		ug/L	1	98-82-8	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1		ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1		ug/L	1	103-65-1	
Bromobenzene	Not detected	1		ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1		ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1		ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1		ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1		ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5		ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1		ug/L	1	526-73-8	

Lab Sample ID: S68472.13 (continued)
Sample Tag: DUP-04_111124

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 11/13/24 19:15, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
n-Butylbenzene	Not detected	1		ug/L	1	104-51-8	
Hexachloroethane	Not detected	5		ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5		ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5		ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5		ug/L	1	87-61-6	
Naphthalene	Not detected	5		ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5		ug/L	1	91-57-6	

Merit Laboratories Login Checklist

Lab Set ID: S68472
Client: ARCADIS_NOVI (Arcadis US, Inc.)
Project: 30214041 / Racer PNC Task 6
Submitted: 11/12/2024 17:10 Login User: PFD

Attention: Lexi Nickerson
Address: Arcadis US, Inc.
28550 Cabot Drive, Suite 500
Novi, MI 48377

Phone: C: 248-994-1734 FAX:
Email: Alexis.Nickerson@arcadis.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 5.4
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[ ] Yes	[X] No	[ ] N/A	COC adequately filled out	Analyte list not provided for metals lists and Site Specific list
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[X] Yes	[ ] No	[ ] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[X] No	[ ] N/A	Do water VOC, TOX, DO or Alkalinity bottles contain	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories Bottle Preservation Check

Lab Set ID: S68472 Submitted: 11/12/2024 17:10

Client: ARCADIS_NOVI (Arcadis US, Inc.)

Project: 30214041 / Racer PNC Task 6

Initial Preservation Check: 11/13/2024 10:09 PFD

Preservation Recheck (E200.8): N/A

Attention: Lexi Nickerson
Address: Arcadis US, Inc.
28550 Cabot Drive, Suite 500
Novi, MI 48377

Phone: C: 248-994-1734 FAX:
Email: Alexis.Nickerson@arcadis.com

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S68472.02	125mL Plastic HNO3	<2			
S68472.03	125mL Plastic HNO3	<2			
S68472.04	125mL Plastic HNO3	<2			
S68472.05	125mL Plastic HNO3	<2			
S68472.06	125mL Plastic HNO3	<2			
S68472.07	125mL Plastic HNO3	<2			
S68472.08	125mL Plastic HNO3	<2			
S68472.09	125mL Plastic HNO3	<2			
S68472.10	125mL Plastic HNO3	<2			
S68472.11	125mL Plastic HNO3	<2			
S68472.12	125mL Plastic HNO3	<2			
S68472.13	125mL Plastic HNO3	<2			
S68472.17	125mL Plastic HNO3	<2			
S68472.20	125mL Plastic HNO3	<2			
S68472.21	125mL Plastic HNO3	<2			

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C.O.C. PAGE # 1 OF 4

176246

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Alexis Nickerson
COMPANY: Arcadis
ADDRESS: 28550 Cabot Dr #500
CITY: Novi STATE: MI ZIP CODE: 48377
PHONE NO.: CELL NO.: P.O. NO.:
E-MAIL ADDRESS: alexis.nickerson@arcadis.com, tiffany.linder@arcadis.com QUOTE NO.:

INVOICE TO

CONTACT NAME: Accounts Payable ☐ SAME
COMPANY: Arcadis
ADDRESS: 630 Plaza Dr #600
CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
PHONE NO.: E-MAIL ADDRESS: accountspayable.administration@arcadis.com

PROJECT NO./NAME: 30214041 / Baker ANC - task 6
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Alaina Ralko / Alaina Ralko

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs (8260C)
68472.01	11/8/24	1320	MW05-10_GW-110824	GW	3		3						/

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Alaina Ralko / Arcadis ☒ Sampler DATE: 11/12/24 TIME: 1500
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: 11/12/24 TIME: 1510
RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: 11/12/24 TIME: 1710
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: 11/12/24 TIME: 1710

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 5.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 4

159489

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Lexi Nickerson
COMPANY: Arcadis
ADDRESS: 28550 Cabot Dr Ste 500
CITY: Novi STATE: MI ZIP CODE: 48377
PHONE NO.: 614.985.9163 CELL NO.:
P.O. NO.: 30214041.00005
E-MAIL ADDRESS: alexis.nickerson@arcadis.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 30214041.00005 TASK 6 / RACER - PNC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Garrett Linic

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other

MERIT LAB NO. FOR LAB USE ONLY	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Site Specific Inorganics (200.8 / SM 2540C)	VOCs (8260C)	1,4-Dioxane (8260C) SIM	Special Instructions
68472.02	11/8/24	1320	MWW1-04_GW-110824	GW	2	1		1					X			1,125mL HNO_3; 1,250 mL HDPE
.03/.04/.05	11/8/24	1440	MWOS-02_GW-110824	GW	24	3	18	3					X	X	X	Perform MS/MSD

	SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY:	Garrett Linic / Arcadis ☒ Sampler	11/8/24	1700
RECEIVED BY:	Alexis Nickerson/ARCADIS	11/8/24	1700
RELINQUISHED BY:		11/8/24	1800
RECEIVED BY:		11/8/24	1815

	SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY:	Alexis Nickerson/Arcadis	11/12/24	1500
RECEIVED BY:		11/12/24	1510

SEAL NO.: SEAL INTACT YES ☐ NO ☐ INITIALS:
SEAL NO.: SEAL INTACT YES ☐ NO ☐ INITIALS:

NOTES: TEMP. ON ARRIVAL: 5.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 4

176247

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Alexis Nicherson
COMPANY: Arcadis
ADDRESS: 28550 Cabot Dr #500
CITY: Novi STATE: MI ZIP CODE: 48377
PHONE NO.: CELL NO.: P.O. NO.:
E-MAIL ADDRESS: alexis.nicherson@arcadis.com, tiffany.linder@arcadis.com QUOTE NO.:

INVOICE TO

CONTACT NAME: Arcadis Accounts Payable ☐ SAME
COMPANY: Arcadis
ADDRESS: 630 Plaza Dr #600
CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
PHONE NO.: E-MAIL ADDRESS: accountspayable.administration@arcadis.com

PROJECT NO./NAME: 30214041 Task 6 / Baker DNC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Alaina Raiko / Alaina Raiko

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Metals (E200.8, E245.1)	VOCs (8260C)	Special Instructions
68472.06	11/11/24	1110	PZF17-04_GW-111124	GW	1			1					X		
.07/.08/.09	11/11/24	1245	PZF17-03_GW-111124	GW	3			3					X		Run MS/MSD
.10	11/11/24	1400	PZF17-02_GW-111124	GW	1			1					X		
.11	11/11/24	1510	PZF17-01_GW-111124	GW	1			1					X		
.12	11/11/24	1655	PZF17-05_GW-111124	GW	4		3	1					X	X	Report carbon tetrachloride and PCE Only
.13	11/11/24	—	DUP-04_111124	GW	4		3	1					X	X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Alaina Raiko/Arcadis ☒ Sampler	DATE: 11/12/24	TIME: 1500	
RECEIVED BY: SIGNATURE/ORGANIZATION:	DATE: 11/12/24	TIME: 1500	
RELINQUISHED BY: SIGNATURE/ORGANIZATION:	DATE: 11/12/24	TIME: 1720	
RECEIVED BY: SIGNATURE/ORGANIZATION:	DATE: 11/12/24	TIME: 1720	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO.: SEAL INTACT YES ☐ NO ☐ INITIALS:
SEAL NO.: SEAL INTACT YES ☐ NO ☐ INITIALS:

NOTES: TEMP. ON ARRIVAL: 5.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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C.O.C. PAGE # 4 OF 4

176297

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Alexis Nickerson
COMPANY: Arcadis
ADDRESS: 28550 Cabot Dr. #500
CITY: Novi STATE: MI ZIP CODE: 48377
PHONE NO.: CELL NO.: P.O. NO.:
E-MAIL ADDRESS: alexis.nickerson@arcadis.com; tiffany.linder@arcadis.com QUOTE NO.:

INVOICE TO

CONTACT NAME: Accounts Payable ☐ SAME
COMPANY: Arcadis
ADDRESS: 630 Plaza Dr. #600
CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
PHONE NO.: E-MAIL ADDRESS: accountspayable.administration@arcadis.com

PROJECT NO./NAME: Task 6 30214011 / Racer PNC
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Alana Ralls / Alana Ralls

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs (8260C)	Mn, Fe, TDS (E200.8 & SM2540C)
68472.14	11/12/24	1055	MWM16-02_GW-111224	GW	3		3						X	
.15	11/12/24	1200	MWM16-37_GW-111224	GW	3		3						X	
.16	11/12/24	1305	MWM32-09_GW-111224	GW	3		3						X	
.17	11/12/24	1405	TW-MD-02_GW-111224	GW	2	1		1						X
.18	11/12/24	—	DUP-05_111224	GW	3		3						X	
.19			TRIP BLANK										X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Alana Ralls / Arcadis ☒ Sampler	DATE: 11/12/24	TIME: 1500	
RECEIVED BY: SIGNATURE/ORGANIZATION:	DATE: 11/12/24	TIME: 15[illegible]	
RELINQUISHED BY: SIGNATURE/ORGANIZATION:	DATE: 11/12/24	TIME: 1720	
RECEIVED BY: SIGNATURE/ORGANIZATION:	DATE: 11/12/24	TIME: 1720	

RELINQUISHED BY: SIGNATURE/ORGANIZATION:	DATE:	TIME:	
RECEIVED BY: SIGNATURE/ORGANIZATION:	DATE:	TIME:	

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 5.4

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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