

MEMO

To:

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File

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From:

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Date:

January 18, 2019

Arcadis Project No.:

B0064607.2018

Subject:

RACER Pontiac North Campus

Former Fiero Parking Lot Data Summary (2013 MDEQ Part 201 Generic
Clean Up Criteria)

The Former Fiero Parking Lot (See Figure 1) is part of the Pontiac North Campus that is being addressed through RCRA Corrective Action along with other applicable parcels that are part of the Pontiac North Campus and is identified as Area of Interest (AOI) F-17. The Former Fiero Parking Lot is comprised of two parcels: Parcel # 14-17-384-003 (approximate 9.5-acre parcel to north) and Parcel # 14-20-130-018 (approximate 3.3-acre parcel to south). Historical soil and groundwater data for the Former Fiero Parking Lot were screened against existing residential and non-residential 2013 MDEQ Part 201 Generic Clean Up criteria (2013 criteria) dated January 10, 2018 with GSI criteria updated June 25, 2018. In addition, Site Specific Background Criteria (SSBC) for soil was utilized for several inorganic compounds which were established in the 2012 RCRA Facilities Investigation Report (RFI Report) dated July 9, 2012. Background soil samples were collected and SSBC were derived by removing outliers and then calculating Upper Tolerance Limits (95/95 UTLs), as recommended by USEPA. Details on sample locations, outliers, statistical methods, and resulting background screening levels can be referenced in the 2012 RFI. A complete listing of available soil and groundwater data is provided in attached tables which are numbered similarly as in the 2012 RFI Report. Tables 4-18 includes three soil data tables for inorganic compounds, polychlorinated biphenyls (PCBs), and volatile and semi-volatile organic compounds (VOCs/SVOCs), respectively. Table 1 includes a groundwater table for VOCs. Exceedances of the 2013 criteria are depicted on the attached databox Figures 2A-2C and listed below. No constituents in groundwater exceeded applicable criteria.

Media	Substance	Criteria Exceeded
Soil	Arsenic	SDBL, SSBC, RDWP, NRDWP, GSIP, RDC
	Benzo(a)pyrene	RDC
	Carbon Tetrachloride	RDWP, NRDWP
	Chromium	SSBC, GSIP
	Cobalt	SDBL, RDWP, NRDWP, GSIP
	Fluoranthene	GSIP
	Lead	SDBL, SSBC
	Manganese	SDBL, SSBC, RDWP, NRDWP, GSIP
	Mercury	SDBL, GSIP
	Nickel	SDBL
	Phenanthrene	GSIP
	Selenium	SDBL, GSIP
	Tetrachloroethene	RDWP, NRDWP, GSIP
	Zinc	SDBL, SSBC

Media	Substance	Criteria Exceeded
Groundwater	None	No Exceedances

SOIL

SDBL – State Default Background Levels

SSBC – Site Specific Background Criteria

RDWP – Residential Drinking Water Protection

NRDWP- Non-Residential Drinking Water Protection

GSIP – Groundwater Surface Water Interface Protection

RDC – Residential Direct Contact Criteria

1 – MDEQ Part 201 Generic Cleanup Criteria – Residential and Non-Residential Soil Criteria, Table 1 and Table 2, dated January 10, 2018; GSI criteria updated June 25, 2018.

Proposed corrective measures associated with the Former Fiero Parking Lot are currently anticipated to include the following:

- Deed restrictions, including but not limited to the below;
 - o limit the use of the property to commercial or industrial uses (non-residential)
 - o limit the ability to excavate or construct any sub-grade structures without properly managing/disposing of excavated material and implementing appropriate health and safety procedures as required by MDEQ soil management requirements and OSHA
 - o prohibit extraction or use of groundwater from the property
 - o soil vapor management
- Off-site groundwater ordinance which prohibits the installation of wells for groundwater use within the ordinance area

Attachments - Figures

- Figure 1 Site Location
- Figure 2A VOC and SVOC Exceedances in Soil
- Figure 2B Inorganics Exceedances in Soil
- Figure 2C 2013 MDEQ Part 201 Generic Cleanup Criteria Tables

Attachments – Tables

Soil

Tables 4-18 – Soil Screening F-17 – Inorganics, PCBs, and VOC – SVOC

Groundwater

Table 1 – PZ-Associated Groundwater Samples - VOCs

FIGURES



Service Layer Credits: Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
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FORMER FIERO
PARKING
LOT PARCELS

LEGEND

-  GENERAL MOTORS, LLC
-  CURRENT OR FORMER RACER TRUST PROPERTY
-  SUBJECT TO ADMINISTRATIVE ORDER ON CONSENT (9/29/11)
-  FORMER FIERO PARKING LOT PARCELS

USPS - UNITED STATES POSTAL SERVICE
DISTRIBUTION CENTER LEASED
PROPERTY BOUNDARY

NOTE: ALL BOUNDARIES ARE APPROXIMATE

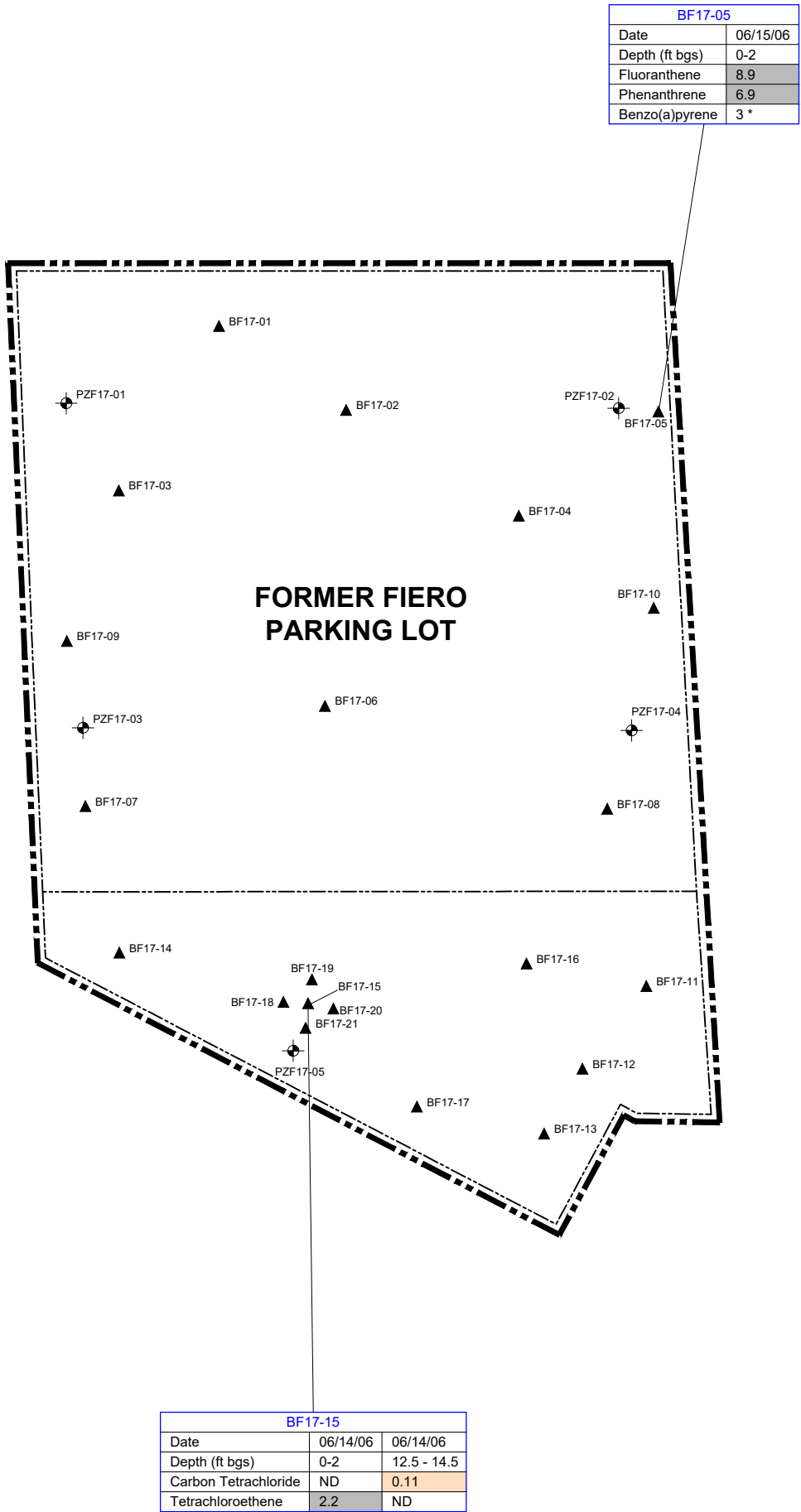


SCALE IN MILES

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

SITE LOCATION

SITE LOCATION



LEGEND:

- EXISTING MONITORING WELL
- SOIL BORING/SOIL SAMPLE LOCATION
- BOUNDARY OF CURRENT AND FORMERLY OWNED RACER TRUST PROPERTY (NOWAK & FRAUS, JUNE 2012)
- FORMER FIERO PARKING LOT PARCELS BOUNDARIES
- EXCEEDS MDEQ 2013 RESIDENTIAL DRINKING WATER PROTECTION CRITERIA
- EXCEEDS MDEQ 2013 NONRESIDENTIAL DRINKING WATER PROTECTION CRITERIA
- EXCEEDS MDEQ 2013 GROUNDWATER SURFACE WATER INTERFACE PROTECTION CRITERIA
- EXCEEDS MDEQ 2013 RESIDENTIAL DIRECT CONTACT CRITERIA

- NOTES:**
- 1. ALL SAMPLE LOCATIONS ARE APPROXIMATE.
 - 2. ALL CONCENTRATIONS ARE PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/kg).
 - 3. DUPLICATE ANALYSES ARE PRESENTED IN BRACKETS.
 - 4. ND – CONSTITUENT NOT DETECTED.
 - 5. J – ESTIMATED CONCENTRATION.
 - 6. FT BGS – FEET BELOW GROUND SURFACE.



RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

**FORMER FIERO PARKING LOT
VOC AND SVOC EXCEEDANCES IN SOIL**

Design & Consultancy
for natural and built assets

FIGURE
2A

		MDEQ 2013 State Default Background Levels	Site Specific Background Criteria	MDEQ 2013 Residential Drinking Water Protection Criteria	MDEQ 2013 Nonresidential Drinking Water Protection Criteria	MDEQ 2013 Groundwater Surface Water Interface Protection Criteria	MDEQ 2013 Residential Soil Volatilization to Indoor Air Inhalation Criteria	MDEQ 2013 Nonresidential Soil Volatilization to Indoor Air Inhalation Criteria	MDEQ 2013 Residential Particulate Soil Inhalation Criteria	MDEQ 2013 Nonresidential Particulate Soil Inhalation Criteria	MDEQ 2013 Residential Infinite Source Volatile Soil Inhalation Criteria	MDEQ 2013 Nonresidential Infinite Source Volatile Soil Inhalation Criteria	MDEQ 2013 Residential Direct Contact Criteria	MDEQ 2013 Nonresidential Direct Contact Criteria	MDEQ 2013 Soil Saturation Concentration Screening Levels
Constituents	Units														
Volatile Organics															
Carbon Tetrachloride	ug/kg	--	--	100	100	760	190.000000	990	130,000,000	170,000,000	3,500	12,000	96,000	440,000	390,000
Tetrachloroethene	ug/kg	--	--	100	100	1,200	11,000	21,000	2,700,000,000	1,200,000,000	170,000	210,000	200,000	930,000	88,000
Semivolatile Organics															
Fluoranthene	ug/kg	--	--	730,000	730,000	5,500	1,000,000,000	1,000,000,000	9,300,000,000	4,100,000,000	740,000,000	890,000,000	46,000,000	130,000,000	--
Phenanthrene	ug/kg	--	--	56,000	160,000	2,100	2,800,000	5,100,000	6,700,000	2,900,000	160,000	190,000	1,600,000	5,200,000	--
Benzo(a)pyrene	ug/kg	--	--	--	--	--	--	--	1,500,000	1,900,000	--	--	2,000	8,000	--
Inorganics															
Arsenic	mg/kg	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--
Chromium	mg/kg	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--
Cobalt	mg/kg	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--
Lead	mg/kg	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--
Manganese	mg/kg	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--
Mercury	mg/kg	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--
Nickel	mg/kg	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--
Selenium	mg/kg	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--
Zinc	mg/kg	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--

FIGURE
2C

TABLES



Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-01 0 - 2 06/14/06 BF17-01-S(0-2)061406	BF17-01 8 - 10 06/14/06 BF17-01-S(8-10)061406	BF17-01 13 - 15 06/14/06 BF17-01-S(13-15)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.2 UJ	1.2 UJ	1.0 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	4.7 J	3.0 J	3.5 J
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	43.3	10.4	5.6
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.23	0.12 U	0.10 U
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.58 U	0.59 U	0.52 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	14.1	5.7	3.5
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	7.8	2.9	1.6
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	19.1 J	9.2 J	3.5 J
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	8.1	3.7	2.1
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	430 J	219 J	130 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.031 J	0.039 U	0.034 U
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	20.6	6.4	4.3
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.58 U	0.59 U	0.52 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.58 U	0.59 U	0.52 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.2 U	1.2 U	1.0 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	20.4 J	11.0 J	5.0 J
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	63.6 J	25.1 J	14.8 J

See Notes on last page.

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Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.2 UJ	1.4 UJ [1.2 UJ]	1.0 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	6.7 J	3.7 J [5.6 J]	1.8 U
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	45.5	43.7 [47.6]	4.1
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.39	0.12 U [0.28]	0.10 U
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.59 U	0.60 U [0.59 U]	0.51 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	22.0	12.6 [17]	3.2
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	11.3	7.3 [8.7]	1.2
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	26.6 J	17.6 J [21.5 J]	3.1 J
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	11.0	6.0 [8]	1.8
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	466 J	366 J [431 J]	76.3 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.031 J	0.047 [0.024 J]	0.034 U
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	27.9	17.7 [22.4]	3.0
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.59 U	0.60 U [0.59 U]	0.51 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.59 U	0.60 U [0.59 U]	0.51 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.2 U	1.2 U [1.2 U]	1.0 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	27.7 J	17.8 J [20.9 J]	4.7 J
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	59.9 J	37.3 J [47.7 J]	13.8 J

See Notes on last page.

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Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.1 UJ	1.1 UJ	1.1 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	2.9 J	5.0	5.7
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	16.3	41.8 J	37.5 J
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.11 U	0.16	0.14
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.53 U	0.10 J	0.063 J
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	6.4	12.8	12.3
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	2.8	7.6	8.5
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	6.0 J	15.9	15.7
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	17.9	7.4	6.6
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	152 J	378 J	436 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.018 J	0.022 J	0.025 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	5.8	19.5	21.0
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.53 U	0.57 U	0.57 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.53 U	0.57 U	0.57 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.1 U	1.1 U	1.1 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	8.7 J	17.8	17.4
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	26.6 J	43.2 J	39.2 J

See Notes on last page.

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Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.1 UJ	1.1 UJ	1.1 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	3.8	7.0	5.2
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	38.8 J	30.1 J	49.1 J
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.18	0.047 J	0.18
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.040 J	0.11 J	0.083 J
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	14.4	7.4 J	14.6
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	8.4	3.9	8.9
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	17.4	12.4	18.1
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	7.4	17.7	7.9
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	408 J	449 J	435 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.029 J	0.055	0.018 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	21.9	9.4	21.8
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.57 U	0.57 U	0.57 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.57 U	0.57 U	0.57 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.0 J	1.1 U	1.1 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	17.5	10.6	18.7
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	46.0 J	32.8 J	46.8 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-06 0 - 2 06/15/06 BF17-06-S(0-2)061506	BF17-06 3 - 5 06/15/06 BF17-06-S(3-5)061506	BF17-07 0 - 2 06/15/06 BF17-07-S(0-2)061506
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.1 UJ	0.58 J	0.78 J
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	4.2	4.6	5.6
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	27.6 J	34.9 J	13.5 J
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.056 J	0.14	0.040 J
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.56 U	0.57 U	0.091 J
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	9.9	8.5	6.8
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	5.3	5.2	4.8
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	11.4	9.4	17.8
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	12.2	38.3	6.8
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	212 J	461 J	345 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.22	0.13	0.024 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	11.5	10.8	12.2
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.56 U	0.57 U	0.58 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.56 U	0.57 U	0.58 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.1 U	1.1 U	1.2 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	14.8	13.9	10.4
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	32.2 J	34.6 J	47.6 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-07 8 - 10 06/15/06 BF17-07-S(8-10)061506	BF17-07 18 - 20 06/15/06 BF17-07-S(18-20)061506	BF17-08 0 - 2 06/15/06 BF17-08-S(0-2)061506
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	0.41 J	0.38 J	1.1 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	5.3	3.2	2.1
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	16.8 J	5.7 J	26.5 J
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.071 J	0.11 U	0.11 U
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.094 J	0.037 J	0.084 J
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	3.9	3.6	13.8
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	3.0	2.0	7.2
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	11.2	4.5	9.5
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	4.1	2.5	21.9
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	211 J	81.9 J	221 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.021 J	0.035 U	0.055
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	9.8	4.3	13.1
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.52 U	0.54 U	0.57 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.52 U	0.54 U	0.57 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.0 U	1.1 U	0.63 J
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	5.4	6.5	14.3
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	32.1 J	20.5 J	31.6 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-08 8 - 10 06/15/06 BF17-08-S(8-10)061506	BF17-08 13 - 15 06/15/06 BF17-08-S(13-15)061506	BF17-09 0 - 2 06/15/06 BF17-09-S(0-2)061506
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.2 UJ [1.1 UJ]	1.1 UJ	0.94 J [0.75 J]
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	5.6 [4]	1.6	7.6 [5.4]*
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	43.4 J [35.8 J]	4.5 J	39.1 J [37.2 J]
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.16 [0.19]	0.11 U	0.19 [0.16]
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.037 J [0.072 J]	0.54 U	0.40 J [0.58 U]
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	13.7 [11.6]	3.7	13.2 [14.7]
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	8.3 [6.5]	1.5	6.7 [7.6]
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	19.7 [14.7]	5.2	20.6 [17.4]
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	8.1 [6.9]	2.7	45.1 J [12.4 J]
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	406 J [388 J]	48.8 J	834 J [314 J]
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.025 J [0.031 J]	0.036 U	0.052 [0.037 J]
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	24.5 [17.9]	4.5	16.1 [19.4]
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.58 U [0.57 U]	0.54 U	0.58 U [0.58 U]
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.58 U [0.57 U]	0.54 U	0.58 U [0.58 U]
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.2 U [1.1 U]	1.1 U	1.2 U [1.2 U]
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	18.1 [14.6]	7.0	17.5 [18.2]
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	50.7 J [42.3 J]	20.4 J	61.3 J [45.2 J]

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-09 8 - 10 06/15/06 BF17-09-S(8-10)061506	BF17-09 11 - 13 06/15/06 BF17-09-S(11-13)061506	BF17-10 0 - 2 06/15/06 BF17-10-S(0-2)061506
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	0.45 J	1.1 UJ	1.1 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	1.5	0.58	5.3
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	4.0 J	2.8	28.7 J
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.11 U	0.11 U	0.23
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.037 J	0.064 J	0.056 J
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	7.9	4.0	8.4
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	1.3	1.1	3.7
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	2.8	2.4 J	11.1
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	2.9	1.9	12.9
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	24.8 J	40.9 J	323 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.016 J	0.037 U	0.021 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	4.6	2.5	12.0
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.55 U	0.55 U	0.53 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.55 U	0.55 U	0.53 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.1 U	0.63 J	1.1 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	6.1	4.2	13.9
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	24.3 J	16.4 J	23.3 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-10 8 - 10 06/15/06 BF17-10-S(8-10)061506	BF17-10 11.5 - 13.5 06/15/06 BF17-10-S(11.5-13.5)061506	BF17-11 0 - 2 06/14/06 BF17-11-S(0-2)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.1 UJ	1.1 UJ	0.95 J
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	5.2	4.4	6.3
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	39.2 J	40.2 J	55.4
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.17	0.23	0.26
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.062 J	0.093 J	0.57 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	13.8	15.1	16.5
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	7.5	10.4	8.1
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	15.8	20.8	19.7
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	8.4	8.1	8.0
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	404 J	450 J	401 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.027 J	0.025 J	0.034 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	20.2	26.4	22.4
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.57 U	0.57 U	0.57 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.57 U	0.57 U	0.57 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	0.74 J	0.80 J	1.1 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	18.4	19.5	23.1
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	41.8 J	54.8 J	42.7 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
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Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-11 8 - 10 06/14/06 BF17-11-S(8-10)061406	BF17-11 13 - 15 06/14/06 BF17-11-S(13-15)061406	BF17-12 0 - 2 06/14/06 BF17-12-S(0-2)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.2 J	1.1 UJ	1.5 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	4.8	3.1	7.2
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	52.4	12.3	56.1
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.17	0.11 U	0.35
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.57 U	0.56 U	0.59 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	13.2	5.0	19.3
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	8.3	2.7	8.6
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	19.0	8.1	25.7 J
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	7.3	3.2	11.7 J
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	410 J	217 J	469 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.023 J	0.016 J	0.047
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	22.4	6.5	24.7
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.57 U	0.56 U	0.59 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.57 U	0.56 U	0.59 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	0.73 J	1.1 U	0.84 J
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	16.9	8.5	23.0
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	44.9 J	25.7 J	55.2 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-12 8 - 10 06/14/06 BF17-12-S(8-10)061406	BF17-12 13 - 15 06/14/06 BF17-12-S(13-15)061406	BF17-13 0 - 2 06/14/06 BF17-13-S(0-2)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.0 UJ	1.3 UJ	1.3 UJ
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	3.0	3.5	3.7
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	8.2	10.3	15.0
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.10 U	0.12 U	0.11 U
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.52 U	0.58 U	0.53 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	4.5	5.4	8.0
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	2.3	2.9	3.3
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	8.4	10.4	12.5
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	3.2	3.9	4.9
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	197 J	270 J	244 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.035 U	0.038 U	0.020 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	5.2	7.1	8.7
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.52 U	0.58 U	0.53 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.52 U	0.58 U	0.53 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.0 U	1.2 U	0.78 J
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	8.3	9.7	13.2
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	25.1 J	27.4 J	19.5 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-13 8 - 10 06/14/06 BF17-13-S(8-10)061406	BF17-14 0 - 2 06/14/06 BF17-14-S(0-2)061406	BF17-14 8 - 10 06/14/06 BF17-14-S(8-10)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.3 UJ [1.2 UJ]	1.1 J	0.84 J
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	6.9 [9.2]*	4.9	4.3
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	37.4 [33.4]	63.7	38.8
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.21 [0.32]	0.16	0.14
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.59 U [0.59 U]	0.28 J	0.57 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	16.8 [24.4]	11.4	12.2
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	7.4 [7.4]	7.1	6.0
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	22.1 [26.5]	10.6	13.6
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	9.2 [10.8]	51.3	6.1
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	399 J [401 J]	575 J	326 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.024 J [0.031 J]	0.037 J	0.021 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	20.7 [25.1]	11.0	15.9
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.59 U [0.59 U]	0.46 J	0.57 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.59 U [0.59 U]	0.57 U	0.57 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.2 U [1.2 U]	1.1 U	1.1 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	19.6 [24.7]	16.5	15.9
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	49.0 J [77.6 J]	39.8 J	35.5 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-14 23 - 25 06/14/06 BF17-14-S(23-25)061406	BF17-15 0 - 2 06/14/06 BF17-15-S(0-2)061406	BF17-15 8 - 10 06/14/06 BF17-15-S(8-10)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.0 UJ	1.5 UJ	1.1 UJ [1.1 UJ]
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	2.9	5.4	4.5 [4.7]
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	5.6	52.1	40.0 [38.7]
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.10 U	0.15	0.15 [0.15]
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.52 U	0.52 J	0.56 U [0.56 U]
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	3.9	13.2	13.1 [12.9]
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	1.8	6.4	6.6 [6.5]
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	4.4	18.9	15.3 [14.6]
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	2.7	30.1	6.5 [6.4]
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	107 J	355 J	331 J [344 J]
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.034 U	0.030 J	0.027 J [0.019 J]
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	4.3	14.7	17.4 [16.5]
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.52 U	0.54 U	0.56 U [0.56 U]
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.52 U	0.54 U	0.56 U [0.56 U]
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.0 U	1.1 U	1.1 U [0.81 J]
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	7.0	18.6	17.6 [17.1]
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	21.1 J	51.2 J	40.0 J [39.2 J]

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-15 12.5 - 14.5 06/14/06 BF17-15-S(12.5-14.5)061406	BF17-16 0 - 2 06/14/06 BF17-16-S(0-2)061406	BF17-16 8 - 10 06/14/06 BF17-16-S(8-10)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.2 UJ	1.2 J	1.3 J
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	6.8 J	8.2*	7.1
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	47.6	48.3	55.5
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.25	0.29	0.33
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.57 U	0.57 U	0.61 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	14.8	17.2	17.9
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	7.7	8.5	11.2
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	21.4 J	22.6	23.2
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	7.5	11.4	9.9
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	367 J	429 J	526 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.027 J	0.025 J	0.047
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	21.1	25.3	27.9
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.57 U	0.57 U	0.61 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.57 U	0.57 U	0.61 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.1 U	1.1 U	0.66 J
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	19.2 J	23.8	23.6
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	55.1 J	53.7 J	53.0 J

See Notes on last page.

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Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-16 11 - 13 06/14/06 BF17-16-S(11-13)061406	BF17-17 0 - 2 06/14/06 BF17-17-S(0-2)061406	BF17-17 8 - 10 06/14/06 BF17-17-S(8-10)061406
Inorganics																	
Antimony	--	--	4.3	4.3	94	--	--	13,000	5,900	--	--	180	670	--	1.3 J	0.83 J	1.4 J
Arsenic	5.8	8.05	4.6	4.6	4.6	--	--	720	910	--	--	7.6	37	--	4.6	4.3	4.1
Barium	75	75	1,300	1,300	440	--	--	330,000	150,000	--	--	37,000	130,000	--	45.2	33.0	37.0
Beryllium	--	--	51	51	84	--	--	1,300	590	--	--	410	1,600	--	0.20	0.077 J	0.13
Cadmium	1.2	--	6	6	3	--	--	1,700	2,200	--	--	550	2,100	--	0.58 U	0.56 U	0.56 U
Chromium	--	23.2	30	30	3.3	--	--	260	240	--	--	2,500	9,200	--	13.4	12.3	11.2
Cobalt	6.8	11.8	0.8	2	2	--	--	13,000	5,900	--	--	2,600	9,000	--	7.7	6.5	5.9
Copper	32	--	5,800	5,800	73	--	--	130,000	59,000	--	--	20,000	73,000	--	18.2	11.4	14.0
Lead	21	33.2	700	700	2,500	--	--	100,000	44,000	--	--	400	900	--	7.3	9.1	5.8
Manganese	440	631	1	1	26	--	--	3,300	1,500	--	--	25,000	90,000	--	380 J	325 J	327 J
Mercury	0.13	--	1.7	1.7	0.05	48	89	20,000	8,800	52	62	160	580	--	0.019 J	0.036 J	0.022 J
Nickel	20	29	100	100	76	--	--	13,000	16,000	--	--	40,000	150,000	--	19.7	14.0	15.8
Selenium	0.41	--	4	4	0.4	--	--	130,000	59,000	--	--	2,600	9,600	--	0.58 U	0.56 U	0.56 U
Silver	1	--	4.5	13	0.1	--	--	6,700	2,900	--	--	2,500	9,000	--	0.58 U	0.56 U	0.56 U
Thallium	--	--	2.3	2.3	4.2	--	--	13,000	5,900	--	--	35	130	--	1.2 U	1.1 U	1.1 U
Vanadium	--	27.7	72	990	430	--	--	--	--	--	--	750	5,500	--	18.3	17.7	14.4
Zinc	47	76.3	2,400	5,000	170	--	--	--	--	--	--	170,000	630,000	--	50.1 J	31.3 J	36.5 J

See Notes on last page.

Table 4-18
Soil Screening F-17 - Inorganics
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

	Exceeds MDEQ 2013 Residential Drinking Water Protection Criteria
	Exceeds MDEQ 2013 Nonresidential Drinking Water Protection Criteria
	Exceeds MDEQ 2013 Groundwater Surface Water Interface Protection Criteria
200.5	Exceeds Site Specific Background Concentrations
56.5	Exceeds MDEQ 2013 State Default Background Levels
*	Exceeds MDEQ 2013 Residential Direct Contact Criteria

CSAT	Soil Saturation Concentration Screening Level
ft BGS	feet below ground surface
GSWI	Groundwater Surface Water Interface
ID	Identification
Inf Source	Infinite Source Volatile Soil Inhalation Criteria
J	Estimated concentration
MDEQ	Michigan Department of Environmental Quality
NA	Not applicable
Non-Res	Non-Residential
NRDC	Non-Residential Direct Contact
Prot	Protection
PSIC	Particulate Soil Inhalation Criteria
RDC	Residential Direct Contact
Res	Residential
SDBL	State Default Background Level
SSBC	Site Specific Background Concentration
SVIIC	Soil Volatilization to Indoor Air Inhalation Criteria
U	Result not detected above method detection limit

1. All concentrations are presented in milligrams per kilogram (mg/kg).
2. Duplicate analyses are presented in brackets.
3. Criteria listed are from the Michigan Department of Environmental Quality (MDEQ) Clean Up Criteria Requirements Tables 2 and 3: Soil: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, January 10, 2018; GSI Protection criteria updated June 25, 2018.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-01 0 - 2 06/14/06 BF17-01-S(0-2)061406	BF17-01 8 - 10 06/14/06 BF17-01-S(8-10)061406	BF17-01 13 - 15 06/14/06 BF17-01-S(13-15)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.039 U	0.034 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.038 U	0.039 U	0.034 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-02 0 - 2 06/14/06 BF17-02-S(0-2)061406	BF17-02 8 - 10 06/14/06 BF17-02-S(8-10)061406	BF17-02 18 - 20 06/14/06 BF17-02-S(18-20)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U	0.039 U [0.039 U]	0.034 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.039 U	0.039 U [0.039 U]	0.034 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-03 0 - 2 06/14/06 BF17-03-S(0-2)061406	BF17-04 0 - 2 06/15/06 BF17-04-S(0-2)061506	BF17-04 8 - 10 06/15/06 BF17-04-S(8-10)061506
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.038 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.035 U	0.038 U	0.038 U

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Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-04 13 - 15 06/15/06 BF17-04-S(13-15)061506	BF17-05 0 - 2 06/15/06 BF17-05-S(0-2)061506	BF17-05 8 - 10 06/15/06 BF17-05-S(8-10)061506
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.038 U	0.037 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.038 U	0.038 U	0.037 U

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Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-06 0 - 2 06/15/06 BF17-06-S(0-2)061506	BF17-06 3 - 5 06/15/06 BF17-06-S(3-5)061506	BF17-07 0 - 2 06/15/06 BF17-07-S(0-2)061506
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.037 U	0.038 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.037 U	0.037 U	0.038 U

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Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-07 8 - 10 06/15/06 BF17-07-S(8-10)061506	BF17-07 18 - 20 06/15/06 BF17-07-S(18-20)061506	BF17-08 0 - 2 06/15/06 BF17-08-S(0-2)061506
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.038 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.038 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.038 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.038 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.038 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.028 J
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.035 U	0.038 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.034 U	0.035 U	0.028 J

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Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-08 8 - 10 06/15/06 BF17-08-S(8-10)061506	BF17-08 13 - 15 06/15/06 BF17-08-S(13-15)061506	BF17-09 0 - 2 06/15/06 BF17-09-S(0-2)061506
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.038 U [0.038 U]	0.036 U	0.038 U [0.038 U]

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Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-09 8 - 10 06/15/06 BF17-09-S(8-10)061506	BF17-09 11 - 13 06/15/06 BF17-09-S(11-13)061506	BF17-10 0 - 2 06/15/06 BF17-10-S(0-2)061506
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.036 U	0.037 U	0.035 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.036 U	0.037 U	0.035 U

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Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-10 8 - 10 06/15/06 BF17-10-S(8-10)061506	BF17-10 11.5 - 13.5 06/15/06 BF17-10-S(11.5-13.5)061506	BF17-11 0 - 2 06/14/06 BF17-11-S(0-2)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.037 U	0.038 U	0.037 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.037 U	0.038 U	0.037 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-11 8 - 10 06/14/06 BF17-11-S(8-10)061406	BF17-11 13 - 15 06/14/06 BF17-11-S(13-15)061406	BF17-12 0 - 2 06/14/06 BF17-12-S(0-2)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.039 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.038 U	0.037 U	0.039 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-12 8 - 10 06/14/06 BF17-12-S(8-10)061406	BF17-12 13 - 15 06/14/06 BF17-12-S(13-15)061406	BF17-13 0 - 2 06/14/06 BF17-13-S(0-2)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.035 U	0.038 U	0.035 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.035 U	0.038 U	0.035 U

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Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-13 8 - 10 06/14/06 BF17-13-S(8-10)061406	BF17-14 0 - 2 06/14/06 BF17-14-S(0-2)061406	BF17-14 8 - 10 06/14/06 BF17-14-S(8-10)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.039 U [0.039 U]	0.038 U	0.037 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.039 U [0.039 U]	0.038 U	0.037 U

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Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-14 23 - 25 06/14/06 BF17-14-S(23-25)061406	BF17-15 0 - 2 06/14/06 BF17-15-S(0-2)061406	BF17-15 8 - 10 06/14/06 BF17-15-S(8-10)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.036 U	0.037 U [0.037 U]
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.036 U	0.037 U [0.037 U]
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.036 U	0.037 U [0.037 U]
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.036 U	0.037 U [0.037 U]
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.036 U	0.037 U [0.037 U]
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.032 J	0.037 U [0.037 U]
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034 U	0.036 U	0.037 U [0.037 U]
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.034 U	0.032 J	0.037 U [0.037 U]

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-15 12.5 - 14.5 06/14/06 BF17-15-S(12.5-14.5)061406	BF17-16 0 - 2 06/14/06 BF17-16-S(0-2)061406	BF17-16 8 - 10 06/14/06 BF17-16-S(8-10)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.04 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.038 U	0.037 U	0.04 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED RES Inf Source VSIC	MDEQ 2013 UPDATED Non-Res Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-16 11 - 13 06/14/06 BF17-16-S(11-13)061406	BF17-17 0 - 2 06/14/06 BF17-17-S(0-2)061406	BF17-17 8 - 10 06/14/06 BF17-17-S(8-10)061406
PCBs																	
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038 U	0.037 U	0.037 U
Total PCBs	--	--	--	--	--	3,000	16,000	5,200	6,500	240	810	4	16	--	0.038 U	0.037 U	0.037 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - PCBs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

CSAT	Soil Saturation Concentration Screening Level
ft BGS	feet below ground surface
GSWI	Groundwater Surface Water Interface
ID	Identification
Inf Source	Infinite Source Volatile Soil Inhalation Criteria
J	Estimated concentration
MDEQ	Michigan Department of Environmental Quality
NA	Not applicable
Non-Res	Non-Residential
NRDC	Non-Residential Direct Contact
PCB's	Polychlorinated Biphenyls
Prot	Protection
PSIC	Particulate Soil Inhalation Criteria
RDC	Residential Direct Contact
Res	Residential
SDBL	State Default Background Level
SSBC	Site Specific Background Concentration
SVIIC	Soil Volatilization to Indoor Air Inhalation Criteria
U	Result not detected above method detection limit

1. All concentrations are presented in milligrams per kilogram (mg/kg).
2. Duplicate analyses are presented in brackets.
3. Criteria listed are from the Michigan Department of Environmental Quality (MDEQ) Clean Up Criteria Requirements Tables 2 and 3: Soil: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, January 10, 2018; GSI Protection criteria updated June 25, 2018.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-01 0 - 2 06/14/06 BF17-01-S(0-2)061406	BF17-01 8 - 10 06/14/06 BF17-01-S(8-10)061406	BF17-01 8 - 10 06/14/06 BF17-01-S(8-10)061406DL	BF17-01 13 - 15 06/14/06 BF17-01-S(13-15)061406
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.38 U	0.39 U	NA	0.34 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	0.39 U	NA	0.34 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.38 U	0.39 U	NA	0.34 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.38 U	0.39 U	NA	0.34 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38 U	0.39 U	NA	0.34 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.38 U	0.39 U	NA	0.34 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.38 U	0.072 J	NA	0.024 J
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.38 U	0.39 U	NA	0.34 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.38 U	0.39 U	NA	0.34 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.38 U	0.39 U	NA	0.34 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.38 U	0.39 U	NA	0.34 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.38 U	0.39 U	NA	0.34 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.38 U	0.39 U	NA	0.34 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.38 U	0.39 U	NA	0.34 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.38 U	0.39 U	NA	0.34 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.38 U	0.39 U	NA	0.34 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.38 U	0.39 U	NA	0.34 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.38 U	0.39 U	NA	0.34 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.38 U	0.39 U	NA	0.34 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.38 U	0.39 U	NA	0.34 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.9 U	1.9 U	NA	1.7 U
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.38 U	0.39 U	NA	0.34 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	0.39 U	NA	0.34 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.38 U	0.39 U	NA	0.34 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.38 U	0.39 U	NA	0.34 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.38 U	0.39 U	NA	0.34 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.38 U	0.39 U	NA	0.34 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.38 U	0.39 U	NA	0.34 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.38 U	0.39 U	NA	0.34 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.38 U	0.39 U	NA	0.34 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.38 U	0.39 U	NA	0.34 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.38 U	0.39 U	NA	0.34 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.38 U	0.39 U	NA	0.34 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
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RACER Pontiac North Campus



Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-01 13 - 15 06/14/06 BF17-01-S(13-15)061406DL	BF17-02 0 - 2 06/14/06 BF17-02-S(0-2)061406	BF17-02 8 - 10 06/14/06 BF17-02-S(8-10)061406	BF17-02 18 - 20 06/14/06 BF17-02-S(18-20)061406
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.88 UJ	0.94 UJ	1.2 UJ [1.1 UJ]	NA
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.085 U	0.095 U	0.096 U [0.094 U]	NA
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.085 U	0.095 U	0.096 U [0.094 U]	NA
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.21 U	0.24 U	0.24 U [0.23 U]	NA
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.64 U	0.71 U	0.72 U [0.7 U]	NA
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.21 U	0.24 U	0.24 U [0.23 U]	NA
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.042 U	0.047 U	0.048 U [0.047 U]	NA
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.085 U	0.096 U	0.096 U [0.094 U]	NA
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.085 UJ	0.095 UJ	0.096 UJ [0.094 UJ]	NA
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.21 U	0.24 U	0.24 U [0.23 U]	NA
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.21 U	0.24 U	0.24 U [0.23 U]	NA
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	1.1 U [1.1 U]	NA
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.21 U	0.24 U	0.24 U [0.23 U]	NA
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.21 U	0.24 U	0.24 U [0.23 U]	NA
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.085 U	0.095 U	0.096 U [0.094 U]	NA
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.085 U	0.095 U	0.096 U [0.094 U]	NA
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.085 U	0.095 U	0.096 U [0.094 U]	NA
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.042 U	0.047 U	0.048 U [0.047 U]	NA
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.042 U	0.047 U	0.048 U [0.047 U]	NA
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	0.042 U	0.047 U	0.048 U [0.047 U]	NA
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	0.042 U	0.047 U	0.048 U [0.047 U]	NA
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	0.21 U	0.24 U	0.24 U [0.23 U]	NA
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	0.042 U	0.047 U	0.048 U [0.047 U]	NA
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.042 U	0.047 U	0.048 U [0.047 U]	NA
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	0.042 U	0.047 U	0.048 U [0.047 U]	NA
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	0.21 U	0.24 U	0.24 U [0.23 U]	NA
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	1.1 U [1.1 U]	NA
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	2.1 U	2.4 U	2.4 U [2.3 U]	NA
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	1.1 U [1.1 U]	NA
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	2.1 U	2.4 U	2.4 U [2.3 U]	NA
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	0.21 U	0.24 U	0.24 U [0.23 U]	NA
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	0.042 U	0.047 U	0.048 U [0.047 U]	NA
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	0.085 U	0.095 U	0.096 U [0.094 U]	NA
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	0.042 U	0.048 U	0.048 U [0.047 U]	NA
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	0.085 U			

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-01 13 - 15 06/14/06 BF17-01-S(13-15)061406DL	BF17-02 0 - 2 06/14/06 BF17-02-S(0-2)061406	BF17-02 8 - 10 06/14/06 BF17-02-S(8-10)061406	BF17-02 18 - 20 06/14/06 BF17-02-S(18-20)061406
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	0.39 U	0.39 U [0.39 U]	0.34 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	0.025 J	0.39 U [0.022 J]	0.34 U
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	1.9 U	1.9 U [1.9 U]	1.6 U
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	0.39 U	0.39 U [0.39 U]	0.34 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	0.39 U	0.39 U [0.39 U]	0.34 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	0.39 U	0.39 U [0.39 U]	0.34 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	0.39 U	0.39 U [0.39 U]	0.34 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus



Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-02 18 - 20 06/14/06 BF17-02-S(18-20)061406DL	BF17-03 0 - 2 06/14/06 BF17-03-S(0-2)061406	BF17-03 0 - 2 06/14/06 BF17-03-S(0-2)061406DL	BF17-04 0 - 2 06/15/06 BF17-04-S(0-2)061506
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	1.1 UJ	NA	0.85 UJ	0.69 U
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.047 U	NA	0.039 U	0.046 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.094 U	NA	0.078 U	0.091 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.094 U	NA	0.078 U	0.091 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.23 U	NA	0.2 U	0.23 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.7 U	NA	0.59 U	0.69 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.23 U	NA	0.2 U	0.23 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.047 U	NA	0.039 U	0.046 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.094 U	NA	0.078 U	0.091 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.094 UJ	NA	0.078 UJ	0.091 UJ
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.047 U	NA	0.039 U	0.046 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.047 U	NA	0.039 U	0.046 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.23 U	NA	0.2 U	0.23 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.047 U	NA	0.039 U	0.046 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.23 U	NA	0.2 U	0.23 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	NA	0.94 U	1.1 U
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.23 U	NA	0.2 U	0.23 UJ
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.23 U	NA	0.2 U	0.23 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.094 U	NA	0.078 U	0.091 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.094 U	NA	0.078 U	0.091 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.094 U	NA	0.078 U	0.091 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.047 U	NA	0.039 U	0.046 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.047 U	NA	0.039 U	0.046 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	0.047 U	NA	0.039 U	0.046 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	0.047 U	NA	0.039 U	0.046 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	0.047 U	NA	0.039 U	0.046 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	0.23 U	NA	0.2 U	0.23 U
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	0.047 U	NA	0.039 U	0.046 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.047 U	NA	0.039 U	0.046 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.047 U	NA	0.039 U	0.046 U
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	0.047 U	NA	0.039 U	0.046 U
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	0.23 U	NA	0.2 U	0.23 U
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	NA	0.94 U	1.1 UJ
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	2.3 U	NA	2 U	2.3 U
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	NA	0.94 U	1.1 U
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	2.3 U	NA	2 U	2.3 U
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	0.23 U	NA	0.2 U	0.23 U
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	0.047 U	NA	0.039 U	0.046 U
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	0.094 U	NA	0.078 U	0.091 U
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	0.047 U	NA	0.039 U	0.046 U
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	0.094 U	NA	0.078 U	0.091 U
1,2,4-Trichlorobenzene	--	--	4.2	4.2	5.9	9,600	18,000	25,000,000	11,000,000	28,000	34,000	990	5,800	1,100	0.23 U	NA	0.2 U	0.23 U
1,1,1-Trichloroethane	--	--	4	4	1.8													

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Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA	0.016 J	NA	0.38 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.019 J	NA	0.38 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	0.011 J	NA	0.38 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	0.012 J	NA	0.38 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.35 U	NA	0.38 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	0.35 U	NA	0.38 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	0.35 U	NA	0.38 U
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	0.061 J	NA	0.38 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	0.35 U	NA	0.38 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	0.35 U	NA	0.38 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA	0.018 J	NA	0.38 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	0.35 U	NA	0.38 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	0.35 U	NA	0.38 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	0.35 U	NA	0.38 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	0.35 U	NA	0.38 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	0.35 U	NA	0.38 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	0.35 U	NA	0.38 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA	0.024 J	NA	0.38 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	0.35 U	NA	0.38 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	0.35 U	NA	0.38 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	1.7 U	NA	1.8 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	0.35 U	NA	0.38 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.011 J	NA	0.38 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	0.35 U	NA	0.38 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	0.35 U	NA	0.38 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	0.35 U	NA	0.38 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	0.35 U	NA	0.38 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	0.35 U	NA	0.38 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA	0.0077 J	NA	0.38 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	0.35 U	NA	0.38 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA	0.026 J	NA	0.38 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	0.35 U	NA	0.38 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	0.35 U	NA	0.38 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-04 8 - 10 06/15/06 BF17-04-S(8-10)061506	BF17-04 13 - 15 06/15/06 BF17-04-S(13-15)061506	BF17-05 0 - 2 06/15/06 BF17-05-S(0-2)061506	BF17-05 0 - 2 06/15/06 BF17-05-S(0-2)061506DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.38 U	0.38 U	NA	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	0.38 U	NA	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.38 U	0.38 U	1.8	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.38 U	0.38 U	1.5	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38 U	0.38 U	0.38 U	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.38 U	0.38 U	0.38 U	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.38 U	0.023 J	0.38 U	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.38 U	0.38 U	0.38 U	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.38 U	0.38 U	0.38 U	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.38 U	0.38 U	0.68	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.38 U	0.38 U	NA	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.38 U	0.38 U	0.51	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.38 U	0.38 U	0.44	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.38 U	0.38 U	0.38 U	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.38 U	0.38 U	0.38 U	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.38 U	0.38 U	0.38 U	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.38 U	0.38 U	0.38 U	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.38 U	0.38 U	NA	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.38 U	0.38 U	0.86	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.38 U	0.38 U	0.38 U	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.8 UJ	1.8 UJ	1.8 UJ	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.38 U	0.38 U	0.38 U	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	0.38 U	1.7	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.38 U	0.38 U	0.38 U	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.38 U	0.38 U	0.38 U	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.38 U	0.38 U	0.38 U	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.38 U	0.38 U	0.38 U	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.38 U	0.38 U	0.38 U	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.38 U	0.38 U	NA	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.38 U	0.38 U	0.38 U	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.38 U	0.38 U	NA	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.38 U	0.38 U	0.38 U	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.38 U	0.38 U	0.15 J	NA

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-05 0 - 2 06/15/06 BF17-05-S(0-2)061506DLR2	BF17-05 1 - 3 11/03/06 BF17-05-S(1-3)110306	BF17-05 8 - 10 06/15/06 BF17-05-S(8-10)061506	BF17-06 0 - 2 06/15/06 BF17-06-S(0-2)061506
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	NA	NA	0.68 U	0.67 U
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	NA	NA	0.045 U	0.045 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	NA	NA	0.091 U	0.089 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	NA	NA	0.091 U	0.089 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	NA	NA	0.23 U	0.22 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	NA	NA	0.68 U	0.67 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	NA	NA	0.23 U	0.22 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	NA	NA	0.045 U	0.045 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	NA	NA	0.091 U	0.089 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	NA	NA	0.091 UJ	0.089 U
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	NA	NA	0.045 U	0.045 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	NA	NA	0.045 U	0.045 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	NA	NA	0.23 U	0.22 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	NA	NA	0.045 U	0.045 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	NA	NA	0.23 U	0.22 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	1.1 U	1.1 U
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	NA	NA	0.23 UJ	0.22 U
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	NA	NA	0.23 U	0.22 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	NA	NA	0.091 U	0.089 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	NA	NA	0.091 U	0.089 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	NA	NA	0.091 U	0.089 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	NA	NA	0.045 U	0.045 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	NA	NA	0.045 U	0.045 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	NA	NA	0.045 U	0.045 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	NA	NA	0.045 U	0.045 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	NA	NA	0.045 U	0.045 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	NA	NA	0.23 U	0.22 U
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	NA	NA	0.045 U	0.045 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	0.045 U	0.045 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	0.045 U	0.045 U
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	NA	NA	0.045 U	0.045 U
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	NA	NA	0.23 U	0.22 U
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	1.1 UJ	1.1 U
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	NA	NA	2.3 U	2.2 U
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	1.1 U	1.1 U
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	NA	NA	2.3 U	2.2 U
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	NA	NA	0.23 U	0.22 U
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	NA	NA	0.045 U	0.045 U
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	NA	NA	0.091 U	0.089 U
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	NA	NA	0.045 U	0.045 U
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	NA	NA	0.091 U	0.089 U
1,2,4-Trichlorobenzene	--	--	4.2	4.2	5.9	9,600	18,000	25,000,000	11,000,000	28,000	34,000	990	5,800	1,100	NA	NA	0.23 U	0.22 U
1,1,1-Trichloroethane	--	--	4	4	1.8	250	460	67,000,000	29,000,000	3,800	4,500	500,000	1,000,000	460	NA	NA	0.045 U	0.045 U
1,1,2-Trichloroethane	--	--	0.1	0.1	6.6	4.6	24	190,000										

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RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-05 0 - 2 06/15/06 BF17-05-S(0-2)061506DLR2	BF17-05 1 - 3 11/03/06 BF17-05-S(1-3)110306	BF17-05 8 - 10 06/15/06 BF17-05-S(8-10)061506	BF17-06 0 - 2 06/15/06 BF17-06-S(0-2)061506
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	3*	0.39 U	0.37 U	0.37 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	3.7	0.39 U	0.37 U	0.37 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	0.39 U	0.37 U	0.37 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	0.39 U	0.37 U	0.37 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.39 U	0.37 U	0.37 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	0.39 U	0.37 U	0.37 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	0.39 U	0.37 U	0.37 U
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	0.39 U	0.37 U	0.37 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	0.39 U	0.37 U	0.37 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	0.39 U	0.37 U	0.37 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	3.4	0.39 U	0.37 U	0.37 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	0.39 U	0.37 U	0.37 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	0.39 U	0.37 U	0.37 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	0.39 U	0.37 U	0.37 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	0.39 U	0.37 U	0.37 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	0.39 U	0.37 U	0.37 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	0.39 U	0.37 U	0.37 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	8.9	0.024 J	0.37 U	0.37 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	0.39 U	0.37 U	0.37 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	0.39 U	0.37 U	0.37 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	1.9 U	1.8 UJ	1.8 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	0.39 U	0.37 U	0.37 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.39 U	0.37 U	0.37 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	0.39 U	0.37 U	0.37 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	0.39 U	0.37 U	0.37 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	0.39 U	0.37 U	0.37 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	0.39 U	0.37 U	0.37 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	0.39 U	0.37 U	0.37 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	6.9	0.024 J	0.37 U	0.37 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	0.39 U	0.37 U	0.37 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	6.5	0.39 U	0.37 U	0.37 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	0.39 U	0.37 U	0.37 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	0.39 U	0.37 U	0.37 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-06 3 - 5 06/15/06 BF17-06-S(3-5)061506	BF17-07 0 - 2 06/15/06 BF17-07-S(0-2)061506	BF17-07 0 - 2 06/15/06 BF17-07-S(0-2)061506DL	BF17-07 8 - 10 06/15/06 BF17-07-S(8-10)061506
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.68 U	NA	0.66 U	NA
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.045 U	NA	0.044 U	NA
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.091 U	NA	0.089 U	NA
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.091 U	NA	0.089 U	NA
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.23 U	NA	0.22 U	NA
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.68 U	NA	0.66 U	NA
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.23 U	NA	0.22 U	NA
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.045 U	NA	0.044 U	NA
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.091 U	NA	0.089 U	NA
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.091 U	NA	0.089 U	NA
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.045 U	NA	0.044 U	NA
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.045 U	NA	0.044 U	NA
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.23 U	NA	0.22 U	NA
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.045 U	NA	0.044 U	NA
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.23 U	NA	0.22 U	NA
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	NA	1.1 U	NA
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.23 U	NA	0.22 U	NA
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.23 U	NA	0.22 U	NA
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.091 U	NA	0.089 U	NA
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.091 U	NA	0.089 U	NA
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.091 U	NA	0.089 U	NA
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.045 U	NA	0.044 U	NA
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.045 U	NA	0.044 U	NA
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	0.045 U	NA	0.044 U	NA
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	0.045 U	NA	0.044 U	NA
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	0.045 U	NA	0.044 U	NA
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	0.23 U	NA	0.22 U	NA
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	0.045 U	NA	0.044 U	NA
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.045 U	NA	0.044 U	NA
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.045 U	NA	0.044 U	NA
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	0.045 U	NA	0.044 U	NA
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	0.23 U	NA	0.22 U	NA
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	NA	1.1 U	NA
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	2.3 U	NA	2.2 U	NA
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	NA	1.1 U	NA
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	2.3 U	NA	2.2 U	NA
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	0.23 U	NA	0.22 U	NA
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	0.045 U	NA	0.044 U	NA
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	0.091 U	NA	0.089 U	NA
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	0.045 U	NA	0.044 U	NA
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	0.091 U	NA	0.089 U	NA
1,2,4-Trichlorobenzene	--	--	4.2	4.2	5.9	9,600	18,000	25,000,000	11,000,000	28,000	34,000	990	5,800	1,100	0.23 U	NA	0.22 U	NA
1,1,1-Trichloroethane	--	--	4	4	1.8	250	460	67,000,000	29,000,000	3,800	4,500	500,000	1,000,000	460	0.045 U	NA	0.044 U	NA
1,1,2-Trichloroethane	--	--	0.1	0.1	6.6	4.6	24	190,000	250,000	17	57	180	840	920	0.04			

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-06 3 - 5 06/15/06 BF17-06-S(3-5)061506	BF17-07 0 - 2 06/15/06 BF17-07-S(0-2)061506	BF17-07 0 - 2 06/15/06 BF17-07-S(0-2)061506DL	BF17-07 8 - 10 06/15/06 BF17-07-S(8-10)061506
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.082 J	0.38 U	NA	0.34 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.097 J	0.38 U	NA	0.34 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.043 J	0.38 U	NA	0.34 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.05 J	0.38 U	NA	0.34 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37 U	0.38 U	NA	0.34 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.37 U	0.38 U	NA	0.34 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.022 J	0.38 U	NA	0.34 U
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.37 U	0.38 U	NA	0.34 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.37 U	0.38 U	NA	0.34 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.37 U	0.38 U	NA	0.34 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.09 J	0.38 U	NA	0.015 J
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.37 U	0.38 U	NA	0.34 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.37 U	0.38 U	NA	0.34 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.37 U	0.38 U	NA	0.34 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.37 U	0.38 U	NA	0.34 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.024 J	0.38 U	NA	0.34 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.37 U	0.38 U	NA	0.34 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.2 J	0.38 U	NA	0.026 J
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.015 J	0.38 U	NA	0.34 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.37 U	0.38 U	NA	0.34 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.8 UJ	1.8 UJ	NA	1.7 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.37 U	0.38 U	NA	0.34 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.038 J	0.38 U	NA	0.34 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.37 U	0.38 U	NA	0.34 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.37 U	0.38 U	NA	0.34 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.37 U	0.38 U	NA	0.34 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.37 U	0.38 U	NA	0.34 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.37 U	0.38 U	NA	0.34 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.14 J	0.38 U	NA	0.019 J
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.37 U	0.38 U	NA	0.34 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.15 J	0.38 U	NA	0.022 J
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.37 U	0.38 U	NA	0.34 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.37 U	0.38 U	NA	0.34 U

See Notes on last page.

Table 4-18 Soil Screening F-17 VOC-SVOC - 20181211 (combined)_CB_mef.xlsx

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-07 8 - 10 06/15/06 BF17-07-S(8-10)061506DL	BF17-07 18 - 20 06/15/06 BF17-07-S(18-20)061506	BF17-07 18 - 20 06/15/06 BF17-07-S(18-20)061506DL	BF17-08 0 - 2 06/15/06 BF17-08-S(0-2)061506
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA	0.35 U	NA	0.085 J
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.35 U	NA	0.11 J
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	0.35 U	NA	0.065 J
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	0.35 U	NA	0.059 J
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.35 U	NA	0.38 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	0.35 U	NA	0.38 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	0.35 U	NA	0.029 J
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	0.35 U	NA	0.38 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	0.35 U	NA	0.38 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	0.35 U	NA	0.38 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA	0.35 U	NA	0.087 J
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	0.35 U	NA	0.38 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	0.35 U	NA	0.38 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	0.35 U	NA	0.38 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	0.35 U	NA	0.38 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	0.35 U	NA	0.027 J
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	0.35 U	NA	0.38 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA	0.35 U	NA	0.12 J
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	0.35 U	NA	0.38 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	0.35 U	NA	0.38 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	1.7 UJ	NA	1.8 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	0.35 U	NA	0.38 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.35 U	NA	0.055 J
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	0.35 U	NA	0.38 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	0.35 U	NA	0.38 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	0.35 U	NA	0.38 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	0.35 U	NA	0.38 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	0.35 U	NA	0.38 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA	0.35 U	NA	0.028 J
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	0.35 U	NA	0.38 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA	0.35 U	NA	0.097 J
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	0.35 U	NA	0.38 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	0.35 U	NA	0.38 U

See Notes on last page.

Table 4-18 Soil Screening F-17 VOC-SVOC - 20181211 (combined)_CB_mef.xlsx

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-08 8 - 10 06/15/06 BF17-08-S(8-10)061506	BF17-08 13 - 15 06/15/06 BF17-08-S(13-15)061506	BF17-09 0 - 2 06/15/06 BF17-09-S(0-2)061506	BF17-09 8 - 10 06/15/06 BF17-09-S(8-10)061506
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.38 U [0.38 U]	0.36 U	0.038 J [0.087 J]	0.36 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U [0.38 U]	0.36 U	0.046 J [0.12 J]	0.36 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.053 J]	0.36 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.38 U [0.38 U]	0.36 U	0.021 J [0.05 J]	0.36 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.38 U [0.38 U]	0.36 U	0.38 U [0.021 J]	0.36 U
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.38 U [0.38 U]	0.36 U	0.043 J [0.13 J]	0.36 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.016 J]	0.36 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.38 U [0.38 U]	0.36 U	0.082 J [0.22 J]	0.36 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.0083 J]	0.36 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.9 UJ [1.8 UJ]	1.7 UJ	1.9 UJ [1.9 UJ]	1.8 U
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U [0.38 U]	0.36 U	0.021 J [0.042 J]	0.36 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.38 U [0.38 U]	0.36 U	0.036 J [0.093 J]	0.36 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.38 U [0.38 U]	0.36 U	0.071 J [0.19 J]	0.36 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.38 U [0.38 U]	0.36 U	0.38 U [0.38 U]	0.36 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-09 11 - 13 06/15/06 BF17-09-S(11-13)061506	BF17-09 11 - 13 06/15/06 BF17-09-S(11-13)061506DL	BF17-10 0 - 2 06/15/06 BF17-10-S(0-2)061506	BF17-10 8 - 10 06/15/06 BF17-10-S(8-10)061506
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	NA	0.66 U	0.63 U	0.68 U
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	NA	0.044 U	0.042 U	0.045 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	NA	0.088 U	0.084 U	0.091 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	NA	0.088 U	0.084 U	0.091 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	NA	0.22 U	0.21 U	0.23 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	NA	0.66 U	0.63 U	0.68 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	NA	0.22 U	0.21 U	0.23 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	NA	0.044 U	0.042 U	0.045 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	NA	0.088 U	0.084 U	0.091 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	NA	0.088 U	0.084 UJ	0.091 UJ
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	NA	0.044 U	0.042 U	0.045 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	NA	0.044 U	0.042 U	0.045 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	NA	0.22 U	0.21 U	0.23 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	NA	0.044 U	0.042 U	0.045 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	NA	0.22 U	0.21 U	0.23 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	1.1 U	1 U	1.1 U
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	NA	0.22 UJ	0.21 UJ	0.23 UJ
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	NA	0.22 U	0.21 U	0.23 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	NA	0.088 U	0.084 U	0.091 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	NA	0.088 U	0.084 U	0.091 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	NA	0.088 U	0.084 U	0.091 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	NA	0.044 U	0.042 U	0.045 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	NA	0.044 U	0.042 U	0.045 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	NA	0.044 U	0.042 U	0.045 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	NA	0.044 U	0.042 U	0.045 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	NA	0.044 U	0.042 U	0.045 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	NA	0.22 U	0.21 U	0.23 U
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	NA	0.044 U	0.042 U	0.045 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.044 U	0.042 U	0.045 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.044 U	0.042 U	0.045 U
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	NA	0.044 U	0.042 U	0.045 U
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	NA	0.22 U	0.21 U	0.23 U
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	1.1 UJ	1 UJ	1.1 UJ
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	NA	2.2 UJ	2.1 U	2.3 U
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	1.1 U	1 U	1.1 U
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	NA	2.2 UJ	2.1 U	2.3 U
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	NA	0.22 U	0.21 U	0.23 U
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	NA	0.044 U	0.042 U	0.045 U
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	NA	0.088 U	0.084 U	0.091 U
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	NA	0.044 U	0.042 U	0.045 U
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	NA	0.088 U	0.084 U	0.091 U
1,2,4-Trichlorobenzene	--	--	4.2	4.2	5.9	9,600	18,000	25,000,000	11,000,000	28,000	34,000	990	5,800	1,100	NA	0.22 U	0.21 U	0.23 U
1,1,1-Trichloroethane	--	--	4	4	1.8	250	460											

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RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-09 11 - 13 06/15/06 BF17-09-S(11-13)061506	BF17-09 11 - 13 06/15/06 BF17-09-S(11-13)061506DL	BF17-10 0 - 2 06/15/06 BF17-10-S(0-2)061506	BF17-10 8 - 10 06/15/06 BF17-10-S(8-10)061506
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.37 U	NA	0.016 J	0.37 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.37 U	NA	0.019 J	0.37 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.37 U	NA	0.35 U	0.37 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.37 U	NA	0.016 J	0.37 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37 U	NA	0.35 U	0.37 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.37 U	NA	0.35 U	0.37 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.37 U	NA	0.35 U	0.37 U
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.37 U	NA	0.35 U	0.37 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.37 U	NA	0.35 U	0.37 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.37 U	NA	0.35 U	0.37 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.37 U	NA	0.35 U	0.37 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.37 U	NA	0.35 U	0.37 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.37 U	NA	0.35 U	0.37 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.37 U	NA	0.35 U	0.37 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.37 U	NA	0.35 U	0.37 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.37 U	NA	0.35 U	0.37 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.37 U	NA	0.35 U	0.37 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.37 U	NA	0.031 J	0.37 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.37 U	NA	0.35 U	0.37 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.37 U	NA	0.35 U	0.37 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.8 U	NA	1.7 U	1.8 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.37 U	NA	0.35 U	0.37 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.37 U	NA	0.35 U	0.37 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.37 U	NA	0.35 U	0.37 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.37 U	NA	0.35 U	0.37 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.37 U	NA	0.35 U	0.37 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.37 U	NA	0.35 U	0.37 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.37 U	NA	0.35 U	0.37 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.37 U	NA	0.35 U	0.37 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.37 U	NA	0.35 U	0.37 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.37 U	NA	0.025 J	0.37 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.37 U	NA	0.35 U	0.37 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.37 U	NA	0.35 U	0.37 U

See Notes on last page.

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-10 11.5 - 13.5 06/15/06 BF17-10-S(11.5-13.5)061506	BF17-11 0 - 2 06/14/06 BF17-11-S(0-2)061406	BF17-11 8 - 10 06/14/06 BF17-11-S(8-10)061406	BF17-11 13 - 15 06/14/06 BF17-11-S(13-15)061406
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.69 U	0.68 UJ	0.68 U	NA
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.046 U	0.045 U	0.046 U	NA
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.092 U	0.091 U	0.091 U	NA
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.092 U	0.091 U	0.091 U	NA
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.23 U	0.23 U	0.23 U	NA
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.69 U	0.68 U	0.68 U	NA
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.23 U	0.23 U	0.23 U	NA
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.046 U	0.045 U	0.046 U	NA
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.092 U	0.091 U	0.091 U	NA
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.092 UJ	0.091 UJ	0.091 U	NA
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.046 U	0.045 U	0.046 U	NA
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.046 U	0.045 U	0.046 U	NA
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.23 U	0.23 U	0.23 U	NA
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.046 U	0.045 U	0.046 U	NA
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000										

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-10 11.5 - 13.5 06/15/06 BF17-10-S(11.5-13.5)061506	BF17-11 0 - 2 06/14/06 BF17-11-S(0-2)061406	BF17-11 8 - 10 06/14/06 BF17-11-S(8-10)061406	BF17-11 13 - 15 06/14/06 BF17-11-S(13-15)061406
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.38 U	0.37 U	0.38 U	0.37 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	0.37 U	0.38 U	0.37 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.38 U	0.37 U	0.38 U	0.37 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.38 U	0.37 U	0.38 U	0.37 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38 U	0.37 U	0.38 U	0.37 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.38 U	0.37 U	0.38 U	0.37 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.021 J	0.37 U	0.022 J	0.022 J
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.38 U	0.37 U	0.38 U	0.37 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.38 U	0.37 U	0.38 U	0.37 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.38 U	0.37 U	0.38 U	0.37 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.38 U	0.37 U	0.38 U	0.37 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.38 U	0.37 U	0.38 U	0.37 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.38 U	0.37 U	0.38 U	0.37 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.38 U	0.37 U	0.38 U	0.37 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.38 U	0.37 U	0.38 U	0.37 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.38 U	0.37 U	0.38 U	0.37 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.38 U	0.37 U	0.38 U	0.37 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.38 U	0.37 U	0.38 U	0.37 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.38 U	0.37 U	0.38 U	0.37 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.38 U	0.37 U	0.38 U	0.37 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.38 U	0.37 U	0.38 U	0.37 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	0.37 U	0.38 U	0.37 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.38 U	0.37 U	0.38 U	0.37 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.38 U	0.37 U	0.38 U	0.37 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.38 U	0.37 U	0.38 U	0.37 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.38 U	0.37 U	0.38 U	0.37 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.38 U	0.37 U	0.38 U	0.37 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.38 U	0.37 U	0.38 U	0.37 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.38 U	0.37 U	0.38 U	0.37 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.38 U	0.37 U	0.38 U	0.37 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.38 U	0.37 U	0.38 U	0.37 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.38 U	0.37 U	0.38 U	0.37 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus



Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-11 13 - 15 06/14/06 BF17-11-S(13-15)061406DL	BF17-12 0 - 2 06/14/06 BF17-12-S(0-2)061406	BF17-12 8 - 10 06/14/06 BF17-12-S(8-10)061406	BF17-12 8 - 10 06/14/06 BF17-12-S(8-10)061406DL
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.65 U	0.71 UJ	NA	0.7 UJ
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.043 U	0.047 U	NA	0.047 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.087 U	0.094 U	NA	0.093 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.087 U	0.094 U	NA	0.093 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.22 U	0.24 U	NA	0.23 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.65 U	0.71 U	NA	0.7 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.22 U	0.24 U	NA	0.23 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.043 U	0.047 U	NA	0.047 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.087 U	0.094 U	NA	0.093 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.087 U	0.094 UJ	NA	0.093 UJ
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.043 U	0.047 U	NA	0.047 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.043 U	0.047 U	NA	0.047 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.22 U	0.24 U	NA	0.23 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.043 U	0.047 U	NA	0.047 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.22 U	0.24 U	NA	0.23 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	NA	1.1 U
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.22 U	0.24 U	NA	0.23 U
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.22 U	0.24 U	NA	0.23 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.087 U	0.094 U	NA	0.093 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.087 U	0.094 U	NA	0.093 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.087 U	0.094 U	NA	0.093 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.043 U	0.047 U	NA	0.047 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.043 U	0.047 U	NA	0.047 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	0.043 U	0.047 U	NA	0.047 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	0.043 U	0.047 U	NA	0.047 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	0.043 U	0.047 U	NA	0.047 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	0.22 U	0.24 U	NA	0.23 U
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	0.043 U	0.047 U	NA	0.047 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.043 U	0.047 U	NA	0.047 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.043 U	0.047 U	NA	0.047 U
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	0.043 U	0.047 U	NA	0.047 U
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	0.22 U	0.24 U	NA	0.23 U
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	NA	1.1 U
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	2.2 U	2.4 U	NA	2.3 U
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	NA	1.1 U
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	2.2 U	2.4 U	NA	2.3 U
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	0.22 U	0.24 U	NA	0.23 U
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	0.043 U	0.047 U	NA	0.047 U
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	0.087 U	0.094 U	NA	0.093 U
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	0.043 U	0.047 U	NA	0.047 U
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	0.087 U	0.094 U	NA	0.093 U
1,2,4-Trichlorobenzene	--	--	4.2	4.2	5.9	9,600	18,000	25,000,000	11,000,000	28,000	34,000	990	5,800	1,100	0.22 U	0.24 U	NA	0.23 U
1,1,1-Trichloroethane	--	--	4	4	1													

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-11 13 - 15 06/14/06 BF17-11-S(13-15)061406DL	BF17-12 0 - 2 06/14/06 BF17-12-S(0-2)061406	BF17-12 8 - 10 06/14/06 BF17-12-S(8-10)061406	BF17-12 8 - 10 06/14/06 BF17-12-S(8-10)061406DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA	0.39 U	0.35 U	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.39 U	0.35 U	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	0.39 U	0.35 U	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	0.39 U	0.35 U	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.39 U	0.35 U	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	0.39 U	0.35 U	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	0.047 J	0.022 J	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	0.39 U	0.35 U	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	0.39 U	0.35 U	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	0.39 U	0.35 U	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA	0.39 U	0.35 U	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	0.39 U	0.35 U	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	0.39 U	0.35 U	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	0.39 U	0.35 U	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	0.39 U	0.35 U	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	0.39 U	0.35 U	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	0.39 U	0.35 U	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA	0.39 U	0.35 U	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	0.39 U	0.35 U	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	0.39 U	0.35 U	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	1.9 UJ	1.7 UJ	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	0.39 U	0.35 U	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	0.39 U	0.35 U	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	0.39 U	0.35 U	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	0.39 U	0.35 U	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	0.39 U	0.35 U	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	0.39 U	0.35 U	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	0.39 U	0.35 U	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA	0.39 U	0.35 U	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	0.39 U	0.35 U	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA	0.39 U	0.35 U	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	0.39 U	0.35 U	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	0.39 U	0.35 U	NA

See Notes on last page.

Table 4-18 Soil Screening F-17 VOC-SVOC - 20181211 (combined)_CB_mef.xlsx

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-12 13 - 15 06/14/06 BF17-12-S(13-15)061406	BF17-12 13 - 15 06/14/06 BF17-12-S(13-15)061406DL	BF17-13 0 - 2 06/14/06 BF17-13-S(0-2)061406	BF17-13 0 - 2 06/14/06 BF17-13-S(0-2)061406DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.38 U	NA	0.35 U	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	NA	0.35 U	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.38 U	NA	0.35 U	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.38 U	NA	0.35 U	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38 U	NA	0.35 U	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.38 U	NA	0.35 U	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.38 U	NA	0.35 U	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.38 U	NA	0.35 U	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.38 U	NA	0.35 U	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.38 U	NA	0.35 U	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.38 U	NA	0.35 U	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.38 U	NA	0.35 U	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.38 U	NA	0.35 U	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.38 U	NA	0.35 U	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.38 U	NA	0.35 U	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.38 U	NA	0.35 U	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.38 U	NA	0.35 U	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.38 U	NA	0.35 U	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.38 U	NA	0.35 U	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.38 U	NA	0.35 U	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.9 UJ	NA	1.7 UJ	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.38 U	NA	0.35 U	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.38 U	NA	0.35 U	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.38 U	NA	0.35 U	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.38 U	NA	0.35 U	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.38 U	NA	0.35 U	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.38 U	NA	0.35 U	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.38 U	NA	0.35 U	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.38 U	NA	0.35 U	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.38 U	NA	0.35 U	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.38 U	NA	0.35 U	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.38 U	NA	0.35 U	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.38 U	NA	0.35 U	NA

See Notes on last page.

Table 4-18 Soil Screening F-17 VOC-SVOC - 20181211 (combined)_CB_mef.xlsx

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-13 8 - 10 06/14/06 BF17-13-S(8-10)061406	BF17-14 0 - 2 06/14/06 BF17-14-S(0-2)061406	BF17-14 0 - 2 06/14/06 BF17-14-S(0-2)061406DL	BF17-14 8 - 10 06/14/06 BF17-14-S(8-10)061406
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.39 U [0.39 U]	0.019 J	NA	0.37 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.39 U [0.39 U]	0.025 J	NA	0.37 U
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.39 U [0.39 U]	0.016 J	NA	0.37 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.39 U [0.39 U]	0.013 J	NA	0.37 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.39 U [0.39 U]	0.38 U	NA	0.37 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.039 J [0.022 J]	0.044 J	NA	0.043 J
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.39 U [0.39 U]	0.023 J	NA	0.37 U
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.014 J [0.39 U]	0.028 J	NA	0.37 U
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.9 UJ [1.9 UJ]	1.8 UJ	NA	1.8 UJ
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.39 U [0.39 U]	0.013 J	NA	0.37 U
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.39 U [0.39 U]	0.38 U	NA	0.37 U
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.39 U [0.39 U]	0.38 U	NA	0.37 U
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.016 J [0.39 U]	0.018 J	NA	0.37 U
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.014 J [0.39 U]	0.03 J	NA	0.37 U
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.39 U [0.39 U]	0.38 U	NA	0.37 U
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.39 U [0.39 U]	0.38 U	NA	0.37 U

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus



Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-14 23 - 25 06/14/06 BF17-14-S(23-25)061406	BF17-14 23 - 25 06/14/06 BF17-14-S(23-25)061406DL	BF17-15 0 - 2 06/14/06 BF17-15-S(0-2)061406	BF17-15 0 - 2 06/14/06 BF17-15-S(0-2)061406DL
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	NA	0.71 U	NA	0.16 J
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	NA	0.047 U	NA	0.06 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	NA	0.094 U	NA	0.12 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	NA	0.094 U	NA	0.12 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	NA	0.24 U	NA	0.3 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	NA	0.71 U	NA	0.073 J
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	NA	0.24 U	NA	0.3 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	NA	0.047 U	NA	0.06 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	NA	0.094 U	NA	0.12 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	NA	0.094 U	NA	0.12 U
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	NA	0.047 U	NA	0.06 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	NA	0.047 U	NA	0.06 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	NA	0.24 U	NA	0.3 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	NA	0.047 U	NA	0.06 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	NA	0.24 U	NA	0.3 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	1.1 U	NA	0.094 J
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	NA	0.24 U	NA	0.3 U
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	NA	0.24 U	NA	0.3 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	NA	0.094 U	NA	0.12 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	NA	0.094 U	NA	0.12 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	NA	0.094 U	NA	0.12 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	NA	0.047 U	NA	0.06 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	NA	0.047 U	NA	0.06 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	NA	0.047 U	NA	0.06 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	NA	0.047 U	NA	0.06 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	NA	0.047 U	NA	0.06 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	NA	0.24 U	NA	0.3 U
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	NA	0.047 U	NA	0.06 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.047 U	NA	0.06 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	0.047 U	NA	0.06 U
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	NA	0.047 U	NA	0.013 J
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	NA	0.24 U	NA	

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-14 23 - 25 06/14/06 BF17-14-S(23-25)061406	BF17-14 23 - 25 06/14/06 BF17-14-S(23-25)061406DL	BF17-15 0 - 2 06/14/06 BF17-15-S(0-2)061406	BF17-15 0 - 2 06/14/06 BF17-15-S(0-2)061406DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.34 U	NA	0.1 J	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.34 U	NA	0.14 J	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.34 U	NA	0.066 J	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.34 U	NA	0.043 J	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.34 U	NA	0.36 U	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.34 UJ	NA	0.36 U	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.028 J	NA	0.036 J	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.34 U	NA	0.04 J	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.34 U	NA	0.36 U	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.34 U	NA	0.025 J	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.34 U	NA	0.11 J	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.34 U	NA	0.36 U	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.34 U	NA	0.022 J	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.34 U	NA	0.36 U	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.34 U	NA	0.36 U	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.34 U	NA	0.026 J	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.34 U	NA	0.36 U	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.34 U	NA	0.21 J	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.34 U	NA	0.024 J	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.34 U	NA	0.36 U	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.7 U	NA	1.7 UJ	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.34 U	NA	0.36 U	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.34 U	NA	0.057 J	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.34 U	NA	0.36 U	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.34 U	NA	0.36 U	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.34 U	NA	0.36 U	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.34 U	NA	0.36 U	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.34 U	NA	0.36 U	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.34 U	NA	0.19 J	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.34 U	NA	0.36 U	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.34 U	NA	0.17 J	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.34 U	NA	0.36 U	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.34 U	NA	0.022 J	NA

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus



Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-15 8 - 10 06/14/06 BF17-15-S(8-10)061406	BF17-15 12.5 - 14.5 06/14/06 BF17-15-S(12.5-14.5)061406	BF17-16 0 - 2 06/14/06 BF17-16-S(0-2)061406	BF17-16 0 - 2 06/14/06 BF17-16-S(0-2)061406DL
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.67 U [0.67 U]	0.69 UJ	NA	0.67 U
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.045 U [0.045 U]	0.046 U	NA	0.044 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.089 U [0.09 U]	0.092 U	NA	0.089 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.089 U [0.09 U]	0.092 U	NA	0.089 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.22 U [0.22 U]	0.23 U	NA	0.22 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.67 U [0.67 U]	0.69 U	NA	0.67 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.22 U [0.22 U]	0.23 U	NA	0.22 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.064 [0.067]	0.11	NA	0.044 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.089 U [0.09 U]	0.092 U	NA	0.089 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.089 U [0.09 U]	0.092 UJ	NA	0.089 U
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.045 U [0.045 U]	0.046 U	NA	0.044 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.045 U [0.045 U]	0.046 U	NA	0.044 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.22 U [0.22 U]	0.23 U	NA	0.22 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.045 U [0.045 U]	0.029 J	NA	0.044 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.22 U [0.22 U]	0.23 U	NA	0.22 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U [1.1 U]	1.1 U	NA	1.1 U
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.22 U [0.22 U]	0.23 U	NA	0.22 U
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.22 U [0.22 U]	0.23 U	NA	0.22 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.089 U [0.09 U]	0.092 U	NA	0.089 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.089 U [0.09 U]	0.092 U	NA	0.089 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.089 U [0.09 U]	0.092 U	NA	0.089 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.045 U [0.045 U]	0.046 U	NA	0.044 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.045 U [0.045 U]	0.046 U	NA	0.044 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	0.045 U [0.045 U]	0.046 U	NA	0.044 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	0.045 U [0.045 U]	0.046 U	NA	0.044 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	0.045 U [0.045 U]	0.046 U	NA	0.044 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300									

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-15 8 - 10 06/14/06 BF17-15-S(8-10)061406	BF17-15 12.5 - 14.5 06/14/06 BF17-15-S(12.5-14.5)061406	BF17-16 0 - 2 06/14/06 BF17-16-S(0-2)061406	BF17-16 0 - 2 06/14/06 BF17-16-S(0-2)061406DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.37 UJ [0.37 U]	0.38 U	0.37 UJ	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.045 J [0.022 J]	0.38 U	0.02 J	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.8 U [1.8 UJ]	1.8 U	1.8 U	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.37 U [0.37 U]	0.38 U	0.37 U	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.37 U [0.37 U]	0.38 U	0.37 U	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.37 U [0.37 U]	0.38 U	0.37 U	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.37 U [0.37 U]	0.38 U	0.37 U	NA

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-16 8 - 10 06/14/06 BF17-16-S(8-10)061406	BF17-16 11 - 13 06/14/06 BF17-16-S(11-13)061406	BF17-17 0 - 2 06/14/06 BF17-17-S(0-2)061406	BF17-17 0 - 2 06/14/06 BF17-17-S(0-2)061406DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.4 U	0.38 U	0.37 U	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.4 U	0.38 U	0.37 U	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.4 U	0.38 U	0.37 U	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.4 U	0.38 U	0.37 U	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4 U	0.38 U	0.37 U	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.4 U	0.38 U	0.37 U	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.045 J	0.038 J	0.021 J	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.4 U	0.38 U	0.37 U	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.4 U	0.38 U	0.37 U	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.4 U	0.38 U	0.37 U	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.4 U	0.38 U	0.37 U	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.4 U	0.38 U	0.37 U	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.4 U	0.38 U	0.37 U	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.4 U	0.38 U	0.37 U	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.4 U	0.38 U	0.37 U	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.4 U	0.38 U	0.37 U	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.4 U	0.38 U	0.37 U	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.4 U	0.38 U	0.37 U	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.4 U	0.38 U	0.37 U	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.4 U	0.38 U	0.37 U	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.9 UJ	1.8 UJ	1.8 UJ	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.4 U	0.38 U	0.37 U	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.4 U	0.38 U	0.37 U	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.4 U	0.38 U	0.37 U	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.4 U	0.38 U	0.37 U	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.4 U	0.38 U	0.37 U	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.4 U	0.38 U	0.37 U	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.4 U	0.38 U	0.37 U	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.4 U	0.38 U	0.37 U	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.4 U	0.38 U	0.37 U	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.4 U	0.38 U	0.37 U	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.4 U	0.38 U	0.37 U	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.4 U	0.38 U	0.37 U	NA

See Notes on last page.

Table 4-18 Soil Screening F-17 VOC-SVOC - 20181211 (combined)_CB_mef.xlsx

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-17 8 - 10 06/14/06 BF17-17-S(8-10)061406	BF17-18 0 - 2 11/03/06 BF17-18-S(0-2)110306DL	BF17-18 8 - 10 11/03/06 BF17-18-S(8-10)110306	BF17-18 25 - 27 11/03/06 BF17-18-S(25-27)110306DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	0.37 U	NA	NA	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.37 U	NA	NA	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	0.37 U	NA	NA	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	0.37 U	NA	NA	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37 U	NA	NA	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	0.37 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	0.043 J	NA	NA	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	0.37 U	NA	NA	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	0.37 U	NA	NA	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	0.37 U	NA	NA	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	0.37 U	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	0.37 U	NA	NA	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	0.37 U	NA	NA	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	0.37 U	NA	NA	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	0.37 U	NA	NA	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	0.37 U	NA	NA	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	0.37 U	NA	NA	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	0.37 U	NA	NA	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	0.37 U	NA	NA	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	0.37 U	NA	NA	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	1.8 UJ	NA	NA	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	0.37 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	0.37 U	NA	NA	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	0.37 U	NA	NA	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	0.37 U	NA	NA	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	0.37 U	NA	NA	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	0.37 U	NA	NA	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	0.37 U	NA	NA	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	0.37 U	NA	NA	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	0.37 U	NA	NA	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	0.37 U	NA	NA	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	0.37 U	NA	NA	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	0.37 U	NA	NA	NA

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus



Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-19 0 - 2 11/03/06 BF17-19-S(0-2)110306DL	BF17-19 8 - 10 11/03/06 BF17-19-S(8-10)110306	BF17-19 25 - 27 11/03/06 BF17-19-S(25-27)110306DL	BF17-20 0 - 2 11/03/06 BF17-20-S(0-2)110306DL
Volatile Organics																		
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.64 U	0.68 U	0.73 U	0.76 U
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.043 U	0.045 U	0.049 U	0.05 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.085 U	0.09 U	0.098 U	0.1 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.085 U	0.09 U	0.098 U	0.1 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.21 U	0.23 U	0.24 U	0.25 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.64 U	0.68 U	0.73 U	0.76 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.21 U	0.23 U	0.24 U	0.25 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.043 U	0.045 U	0.049 U	0.05 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.085 U	0.09 U	0.098 U	0.1 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.085 UJ	0.09 UJ	0.098 UJ	0.1 UJ
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.043 U	0.045 U	0.049 U	0.05 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.043 U	0.045 U	0.049 U	0.05 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.21 U	0.23 U	0.24 U	0.25 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.043 U	0.045 U	0.049 U	0.05 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.21 U	0.23 U	0.24 U	0.25 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1.1 U	1.2 U	0.013 J
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.21 U	0.23 U	0.24 U	0.25 U
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.21 U	0.23 U	0.24 U	0.25 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.085 U	0.09 U	0.098 U	0.1 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.085 U	0.09 U	0.098 U	0.1 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.085 U	0.09 U	0.098 U	0.1 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.043 U	0.045 U	0.049 U	0.05 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.043 U	0.045 U	0.049 U	0.05 U
1,1-Dichloroethene	--	--	0.14	0														

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-19 0 - 2 11/03/06 BF17-19-S(0-2)110306DL	BF17-19 8 - 10 11/03/06 BF17-19-S(8-10)110306	BF17-19 25 - 27 11/03/06 BF17-19-S(25-27)110306DL	BF17-20 0 - 2 11/03/06 BF17-20-S(0-2)110306DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA	NA	NA	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	NA	NA	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	NA	NA	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	NA	NA	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	NA	NA	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	NA	NA	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	NA	NA	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	NA	NA	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	NA	NA	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	NA	NA	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	NA	NA	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	NA	NA	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	NA	NA	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA	NA	NA	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	NA	NA	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	NA	NA	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	NA	NA	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	NA	NA	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	NA	NA	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	NA	NA	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA	NA	NA	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	NA	NA	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	NA	NA	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	NA	NA	NA

See Notes on last page.

Table 4-18 Soil Screening F-17 VOC-SVOC - 20181211 (combined)_CB_mef.xlsx

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-20 8 - 10 11/03/06 BF17-20-S(8-10)110306	BF17-20 24 - 26 11/03/06 BF17-20-S(24-26)110306DL	BF17-21 0 - 2 11/03/06 BF17-21-S(0-2)110306DL	BF17-21 8 - 10 11/03/06 BF17-21-S(8-10)110306
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA	NA	NA	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	NA	NA	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA	NA	NA	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA	NA	NA	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA	NA	NA	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA	NA	NA	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA	NA	NA	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA	NA	NA	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA	NA	NA	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA	NA	NA	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA	NA	NA	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA	NA	NA	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA	NA	NA	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA	NA	NA	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA	NA	NA	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA	NA	NA	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA	NA	NA	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA	NA	NA	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA	NA	NA	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA	NA	NA	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA	NA	NA	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA	NA	NA	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA	NA	NA	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA	NA	NA	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA	NA	NA	NA

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-21 24 - 26 11/03/06 BF17-21-S(24-26)110306DL
Volatile Organics															
Acetone	--	--	15	42	34	290,000	540,000	390,000,000	170,000,000	130,000	160,000	23,000	73,000	110,000	0.77 U
Benzene	--	--	0.1	0.1	4	1.6	8.4	380,000	470,000	13	45	180	840	400	0.051 U
Bromodichloromethane	--	--	1.6	1.6	--	1.2	6.4	84,000	110,000	9.1	31	110	490	1,500	0.1 U
Bromoform	--	--	1.6	1.6	--	150	770	2,800,000	3,600,000	900	3,100	820	3,800	870	0.1 U
Bromomethane	--	--	0.2	0.58	0.1	0.86	1.6	330,000	150,000	11	13	320	1,000	2,200	0.26 U
2-Butanone	--	--	260	760	44	54,000	99,000	67,000,000	29,000,000	29,000	35,000	120,000	700,000	27,000	0.77 U
Carbon Disulfide	--	--	16	46	--	76	140	47,000,000	21,000,000	1,300	1,600	7,200	43,000	280	0.26 U
Carbon Tetrachloride	--	--	0.1	0.1	0.76	0.19	0.99	130,000	170,000	3.5	12	96	440	390	0.051 U
CFC-11	--	--	52	150	--	2,800	5,100	3,800,000,000	1,700,000,000	92,000	110,000	79,000	260,000	560	0.1 U
CFC-12	--	--	95	270	--	900	1,700	3,300,000,000	1,500,000,000	53,000	63,000	52,000	170,000	1,000	0.1 UJ
Chlorobenzene	--	--	2	2	0.5	120	220	4,700,000	2,100,000	770	920	4,300	14,000	260	0.051 U
Chlorodibromomethane	--	--	1.6	1.6	--	3.9	21	130,000	160,000	24	80	110	500	610	0.051 U
Chloroethane	--	--	8.6	34	22	2,900	5,300	670,000,000	290,000,000	30,000	36,000	2,600	12,000	950	0.26 U
Chloroform	--	--	1.6	1.6	7	7.2	38	1,300,000	1,600,000	45	150	1,200	5,500	1,500	0.051 U
Chloromethane	--	--	5.2	22	--	2.3	10	4,900,000	2,600,000	40	120	1,600	7,400	1,100	0.26 U
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
1,2-Dibromo-3-chloropropane	--	--	0.01	0.01	--	0.22	1.2	560	700	0.26	0.9	4.4	20	1.2	0.26 U
1,2-Dibromoethane	--	--	0.02	0.02	0.11	0.67	3.6	14,000	18,000	1.7	5.8	0.092	0.43	890	0.26 U
1,2-Dichlorobenzene	--	--	14	14	0.28	11,000	20,000	100,000,000	44,000,000	39,000	46,000	19,000	63,000	210	0.1 U
1,3-Dichlorobenzene	--	--	0.17	0.48	0.68	26	48	200,000	88,000	79	94	200	660	170	0.1 U
1,4-Dichlorobenzene	--	--	1.7	1.7	0.36	19	100	450,000	570,000	77	260	400	1,900	--	0.1 U
1,1-Dichloroethane	--	--	18	50	15	230	430	33,000,000	15,000,000	2,100	2,500	27,000	87,000	890	0.051 U
1,2-Dichloroethane	--	--	0.1	0.1	7.2	2.1	11	120,000	150,000	6.2	21	91	420	1,200	0.051 U
1,1-Dichloroethene	--	--	0.14	0.14	2.6	0.062	0.33	62,000	78,000	1.1	3.7	200	660	570	0.051 U
cis-1,2-Dichloroethene	--	--	1.4	1.4	12	22	41	2,300,000	1,000,000	180	210	2,500	8,000	640	0.051 U
trans-1,2-Dichloroethene	--	--	2	2	30	23	43	4,700,000	2,100,000	280	330	3,800	12,000	1,400	0.051 U
Dichloromethane	--	--	0.1	0.1	30	45	240	6,600,000	8,300,000	210	700	1,300	5,800	2,300	0.26 U
1,2-Dichloropropane	--	--	0.1	0.1	4.6	4	7.4	270,000	120,000	25	30	140	660	550	0.051 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.051 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.051 U
Ethylbenzene	--	--	1.5	1.5	0.36	87	460	10,000,000	13,000,000	720	2,400	22,000	71,000	140	0.051 U
Isopropylbenzene	--	--	91	260	3.2	400	730	5,800,000	2,600,000	1,700	2,000	25,000	80,000	390	0.26 U
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Methyl N-Butyl Ketone	--	--	20	58	--	990	1,800	2,700,000	1,200,000	1,100	1,300	32,000	100,000	2,500	2.6 U
Methylcyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
4-Methyl-2-pentanone	--	--	36	100	--	37,000	69,000	140,000,000	60,000,000	45,000	53,000	56,000	180,000	2,700	2.6 U
Methyl tert-butyl ether	--	--	0.8	0.8	140	9,900	18,000	200,000,000	88,000,000	25,000	30,000	1,500	7,100	5,900	0.26 U
Styrene	--	--	2.7	2.7	2.1	250	1,300	5,500,000	6,900,000	970	3,300	400	1,900	520	0.051 U
1,1,2,2-Tetrachloroethane	--	--	0.17	0.7	1.6	4.3	23	54,000	68,000	10	34	53	240	870	0.1 U
Tetrachloroethene	--	--	0.1	0.1	1.2	11	21	2,700,000	1,200,000	170	210	200	930	88	0.051 U
Toluene	--	--	16	16	5.4	330	610	27,000,000	12,000,000	2,800	3,300	50,000	160,000	250	0.1 U
1,2,4-Trichlorobenzene	--	--	4.2	4.2	5.9	9,600	18,000	25,000,000	11,000,000	28,000	34,000	990	5,800	1,100	0.26 U
1,1,1-Trichloroethane	--	--	4	4	1.8	250	460	67,000,000	29,000,000	3,800	4,500	500,000	1,000,000	460	0.051 U
1,1,2-Trichloroethane	--	--	0.1	0.1	6.6	4.6	24	190,000	250,000	17	57	180	840	920	0.051 U
Trichloroethene	--	--	0.1	0.1	4	1	1.9	130,000	59,000	11	14	110	660	500	0.051 U
1,1,2-trichloro-1,2,2-trifluoroethane	--	--	9,000	9,000	1.7	5,100	9,300	5,100,000,000	2,300,000,000	180,000	210,000	1,000,000	1,000,000	550	0.26 U
Vinyl Chloride	--	--	0.04	0.04	0.26	0.27	2.8	350,000	890,000	4.2	29	3.8	34	490	0.1 U
Total Xylenes	--	--	5.6	5.6	0.98	6,300	12,000	290,000,000	130,000,000	46,000	54,000	410,000	1,000,000	150	0.15 U
Semivolatile Organics															
1,1'-Biphenyl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
2,2'-Oxybis(1-Chloropropane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
2,4,5-Trichlorophenol	--	--	39	110	--	--	--	23,000,000	10,000,000	--	--	23,000	73,000	--	NA
2,4,6-Trichlorophenol	--	--	2.4	9.4	0.33	--	--	1,000,000	1,300,000	--	--	710	3,300	--	NA
2,4-Dichlorophenol	--	--	1.5	4.2	0.33	--	--	5,100,000	2,300,000	--	--	660	3,900	1,800	NA
2,4-Dimethylphenol	--	--	7.4	20	7.6	--	--	4,700,000	2,100,000	--	--	11,000	36,000	--	NA
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
2,4-Dinitrotoluene	--	--	0.43	0.64	--	--	--	16,000	20,000	--	--	48	220	--	NA
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
2-Chloronaphthalene	--	--	620	1,800	--	--	--	--	--	--	--	56,000	180,000	--	NA
2-Chlorophenol	--	--	0.9	2.6	0.36	430	800	1,200,000	530,000	960	1,100	1,400	4,500	19,000	NA
2-Methylnaphthalene	--	--	57	170	4.2	2,700	4,900	670,000	290,000	1,500	1,800	8,100	26,000	--	NA
2-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
2-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
2-Nitrophenol	--	--	0.4	1.2	--	--	--	--	--	--	--	630	2,000	--	NA
3,3'-Dichlorobenzidine	--	--	2	2	2	--	--	6,500	8,200	--	--	6.6	30	--	NA
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
4,6-Dinitro-2-methylphenol	--	--	0.83	0.83	--	--	--	130,000	59,000	--	--	79	260	--	NA
4-Bromophenyl-phenylether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
4-Chloro-3-Methylphenol	--	--	5.8	16	0.28	--	--	--	--	--	--	4,500	15,000	--	NA
4-Chloroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
4-Chlorophenyl-phenylether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
Acenaphthene	--	--	300	880	8.7	190,000	350,000	14,000,000	6,200,000	81,000	97,000	41,000	130,000	--	NA
Acenaphthylene	--	--	5.9	17	--	1,600	3,000	2,300,000	1,000,000	2,200	2,700	1,600	5,200	--	NA
Acetophenone	--	--	30	88	--	120,000	210,000	33,000,000	14,000,000	44,000	52,000	47,000	150,000	1,100	NA
Anthracene	--	--	41	41	--	1,000,000	1,000,000	67,000,000	29,000,000	1,400,000	1,600,000	230,000	730,000	--	NA
Atrazine	--	--	0.06	0.06	0.15	--	--	--	--	--	--	71	330	--	NA
Benzaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Sample Depth(ft BGS): Date Collected: Sample Name:	MDEQ 2013 UPDATED SDBL	MDEQ 2013 UPDATED SSBC	MDEQ 2013 UPDATED Res DW Prot	MDEQ 2013 UPDATED Non-Res DW Prot	MDEQ 2013 UPDATED GSWI Prot	MDEQ 2013 UPDATED RES SVIIC (SO)	MDEQ 2013 UPDATED NON- RES SVIIC (SO)	MDEQ 2013 UPDATED RES PSIC	MDEQ 2013 UPDATED NON- RES PSIC	MDEQ 2013 UPDATED Res Inf Source VSIC	MDEQ 2013 UPDATED NON- RES Inf Source VSIC	MDEQ 2013 UPDATED RDC	MDEQ 2013 UPDATED NRDC	MDEQ 2013 UPDATED CSAT	BF17-21 24 - 26 11/03/06 BF17-21-S(24-26)110306DL
Benzo(a)pyrene	--	--	--	--	--	--	--	1,500	1,900	--	--	2	8	--	NA
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	800,000	350,000	--	--	2,500	7,000	--	NA
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--	--	--	200	800	--	NA
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NA
bis(2-Chloroethyl)ether	--	--	0.1	0.17	0.1	8.3	44	9,400	12,000	3.8	13	13	58	2,200	NA
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	700,000	890,000	--	--	2,800	12,000	10,000	NA
Butylbenzylphthalate	--	--	2,200	5,000	120	--	--	47,000,000	21,000,000	--	--	36,000	120,000	310	NA
Caprolactam	--	--	120	340	--	--	--	670,000	290,000	--	--	53,000	310,000	--	NA
Carbazole	--	--	9.4	39	1.1	--	--	62,000	78,000	--	--	530	2,400	--	NA
Chrysene	--	--	--	--	--	--	--	--	--	--	--	2,000	8,000	--	NA
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	--	--	--	--	2	8	--	NA
Dibenzofuran	--	--	--	--	1.7	2,000	3,600	6,700	2,900	130	160	--	--	--	NA
Diethylphthalate	--	--	110	320	2.2	--	--	3,300,000	1,500,000	--	--	170,000	550,000	740	NA
Dimethylphthalate	--	--	1,500	4,200	--	--	--	3,300,000	1,500,000	--	--	1,000,000	1,000,000	790	NA
Di-n-Butylphthalate	--	--	960	2,700	11	--	--	3,300,000	1,500,000	--	--	27,000	87,000	760	NA
Di-n-Octylphthalate	--	--	100,000	290,000	--	--	--	31,000,000	14,000,000	--	--	6,900	20,000	140,000	NA
Fluoranthene	--	--	730	730	5.5	1,000,000	1,000,000	9,300,000	4,100,000	740,000	890,000	46,000	130,000	--	NA
Fluorene	--	--	390	890	5.3	580,000	1,000,000	9,300,000	4,100,000	130,000	150,000	27,000	87,000	--	NA
Hexachlorobenzene	--	--	1.8	1.8	0.35	41	220	6,800	8,500	170	56	8.9	37	--	NA
Hexachlorocyclopentadiene	--	--	320	320	--	30	56	13,000	5,900	50	60	2,300	6,700	720	NA
Hexachloroethane	--	--	0.43	1.2	1.8	40	79	230,000	100,000	550	660	230	730	--	NA
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	20	80	--	NA
Isophorone	--	--	15	62	26	--	--	12,000,000	8,200,000	--	--	4,800	22,000	2,400	NA
Nitrobenzene	--	--	0.33	0.33	3.6	91	170	47,000	21,000	54	64	100	340	490	NA
N-Nitroso-di-n-propylamine	--	--	0.33	0.33	--	--	--	1,600	2,000	--	--	1.2	5.4	1,500	NA
N-Nitrosodiphenylamine	--	--	5.4	22	--	--	--	2,200,000	2,800,000	--	--	1,700	7,800	--	NA
Pentachlorophenol	--	--	0.022	0.022	--	--	--	100,000	130,000	--	--	90	320	--	NA
Phenanthrene	--	--	56	160	2.1	2,800	5,100	6,700	2,900	160	190	1,600	5,200	--	NA
Phenol	--	--	88	260	9	--	--	40,000,000	18,000,000	--	--	40,000	230,000	12,000	NA
Pyrene	--	--	480	480	--	1,000,000	1,000,000	6,700,000	2,900,000	650,000	780,000	29,000	84,000	--	NA
Hexachloro-1,3-Butadiene	--	--	26	72	0.091	130	710	140,000	180,000	130	460	100	470	350	NA
Naphthalene	--	--	35	100	0.73	250	470	200,000	88,000	300	350	16,000	52,000	--	NA

See Notes on last page.

Table 4-18
Soil Screening F-17 - VOCs and SVOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

	Exceeds MDEQ 2013 Residential Drinking Water Protection Criteria
	Exceeds MDEQ 2013 Nonresidential Drinking Water Protection Criteria
	Exceeds MDEQ 2013 Groundwater Surface Water Interface Protection Criteria
*	Exceeds MDEQ 2013 Residential Direct Contact Criteria

CSAT	Soil Saturation Concentration Screening Level
ft BGS	feet below ground surface
GSWI	Groundwater Surface Water Interface
ID	Identification
Inf Source	Infinite Source Volatile Soil Inhalation Criteria
J	Estimated concentration
MDEQ	Michigan Department of Environmental Quality
NA	Not applicable
Non-Res	Non-Residential
NRDC	Non-Residential Direct Contact
Prot	Protection
PSIC	Particulate Soil Inhalation Criteria
RDC	Residential Direct Contact
Res	Residential
SDBL	State Default Background Level
SSBC	Site Specific Background Concentration
SVIIC	Soil Volatilization to Indoor Air Inhalation Criteria
U	Result not detected above method detection limit

1. All concentrations are presented in milligrams per kilogram (mg/kg).
2. Duplicate analyses are presented in brackets.
3. Criteria listed are from the Michigan Department of Environmental Quality (MDEQ) Clean Up Criteria Requirements Tables 2 and 3: Soil: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, January 10, 2018; GSI Protection criteria updated June 25, 2018.

Table 1
PZ-Associated Groundwater Samples - VOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Location ID: Date Collected: Sample Name:	MDEQ 2013 UPDATED Res DW	MDEQ 2013 UPDATED Non-Res DW	MDEQ 2013 UPDATED GSWI	MDEQ 2013 UPDATED RES SVIIC	MDEQ 2013 UPDATED NON- RES SVIIC	MDEQ 2013 UPDATED Water Solubility	MDEQ 2013 UPDATED Flam- Expl	PZ17-02 09/23/11 PZ17-02_092311
Volatile Organics								
Acetone	730	2,100	1,700	1,000,000,000	1,000,000,000	1,000,000,000	15,000,000	25 U
Benzene	5	5	200	5,600	35,000	1,750,000	68,000	1.0 U
Bromodichloromethane	80	80	--	4,800	37,000	6,740,000	--	1.0 U
Bromoform	80	80	--	470,000	3,100,000	3,100,000	--	1.0 U
Bromomethane	10	29	5	4,000	9,000	14,500,000	--	1.0 UJ
2-Butanone	13,000	38,000	2,200	240,000,000	240,000,000	240,000,000	--	25 U
Carbon Disulfide	800	2,300	--	250,000	550,000	1,190,000	13,000	5.0 U
Carbon Tetrachloride	5	5	38	370	2,400	793,000	--	1.0 U
CFC-11	2,600	7,300	--	1,100,000	1,100,000	1,100,000	--	1.0 U
CFC-12	1,700	4,800	--	220,000	300,000	300,000	--	1.0 U
Chlorobenzene	100	100	25	210,000	470,000	472,000	160,000	1.0 U
Chlorodibromomethane	80	80	--	14,000	110,000	2,600,000	--	1.0 U
Chloroethane	430	1,700	1,100	5,700,000	5,700,000	5,740,000	110,000	1.0 U
Chloroform	80	80	350	28,000	180,000	7,920,000	--	1.0 U
Chloromethane	260	1,100	--	8,600	45,000	6,340,000	36,000	1.0 U
Cyclohexane	--	--	--	--	--	--	--	1.0 U
1,2-Dibromo-3-chloropropane	0.2	0.2	--	220	1,200	1,230	--	1.0 U
1,2-Dibromoethane	0.05	0.05	5.7	2,400	15,000	4,200,000	--	1.0 U
1,2-Dichlorobenzene	600	600	13	160,000	160,000	156,000	--	1.0 U
1,3-Dichlorobenzene	6.6	19	28	18,000	41,000	111,000	--	1.0 U
1,4-Dichlorobenzene	75	75	17	16,000	74,000	73,800	--	1.0 U
1,1-Dichloroethane	880	2,500	740	1,000,000	2,300,000	5,060,000	380,000	1.0 U
1,2-Dichloroethane	5	5	360	9,600	59,000	8,520,000	2,500,000	1.0 U
1,1-Dichloroethene	7	7	130	200	1,300	2,250,000	97,000	1.0 U
cis-1,2-Dichloroethene	70	70	620	93,000	210,000	3,500,000	530,000	1.0 U
trans-1,2-Dichloroethene	100	100	1,500	85,000	200,000	6,300,000	230,000	1.0 U
Dichloromethane	5	5	1,500	220,000	1,400,000	17,000,000	--	5.0 U
1,2-Dichloropropane	5	5	230	16,000	36,000	2,800,000	550,000	1.0 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	1.0 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	1.0 U
Ethylbenzene	74	74	18	110,000	170,000	169,000	43,000	1.0 U
Isopropylbenzene	800	2,300	28	56,000	56,000	56,000	29,000	5.0 U
Methyl acetate	--	--	--	--	--	--	--	10 U
Methyl N-Butyl Ketone	1,000	2,900	--	4,200,000	8,700,000	16,000,000	--	50 U
Methylcyclohexane	--	--	--	--	--	--	--	1.0 U
4-Methyl-2-pentanone	1,800	5,200	--	20,000,000	20,000,000	20,000,000	--	50 U
Methyl tert-butyl ether	40	40	7,100	47,000,000	47,000,000	46,800,000	--	5.0 U
Styrene	100	100	80	170,000	310,000	310,000	140,000	1.0 U
1,1,2,2-Tetrachloroethane	8.5	35	78	12,000	77,000	2,970,000	--	1.0 U
Tetrachloroethene	5	5	60	25,000	170,000	200,000	--	1.0 U
Toluene	790	790	270	530,000	530,000	526,000	61,000	1.0 U
1,2,4-Trichlorobenzene	70	70	99	300,000	300,000	300,000	--	1.0 U
1,1,1-Trichloroethane	200	200	89	660,000	1,300,000	1,330,000	--	1.0 U
1,1,2-Trichloroethane	5	5	330	17,000	110,000	4,420,000	--	1.0 U
Trichloroethene	5	5	200	2,200	4,900	1,100,000	--	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	170,000	170,000	32	170,000	170,000	170,000	--	1.0 U
Vinyl Chloride	2	2	13	1,100	13,000	2,760,000	33,000	1.0 U
Total Xylenes	280	280	49	190,000	190,000	186,000	70,000	2.0 U

See Notes on last page.

Table 1
PZ-Associated Groundwater Samples - VOCs
Former Fiero Parking Lot Parcels Included Within the Pontiac North Campus
RACER Pontiac North Campus

Notes:
All units are measured in micrograms per liter (µg/L).

Abbreviations:

DW	Drinking Water
Flam-Expl	Flamability and Explosivity
GSWI	Groundwater Surface Water Interface
ID	Identification
MDEQ	Michigan Department of Environmental Quality
Non-Res	Nonresidential
Res	Residential
SVIIC	Soil Volatilization to Indoor Air Inhalation Criteria
U	Result not detected above method detection limit.

1. All concentrations are presented in micrograms per kilogram (µg/kg).
2. Criteria listed are from the Michigan Department of Environmental Quality (MDEQ) Clean Up Criteria Requirements Table 1: Groundwater: Residential and Nonresidential, Part 201 Generic Cleanup Criteria and Screening Levels, January 10, 2018; GSI Protection criteria updated June 25, 2018.