



Water-Data Report 2011

**395706084035400 Local number MI-203**

Sand and gravel aquifers (glaciated regions)  
Outwash

Miami County, OH

LOCATION.--Lat 39°57'06.1", long 84°03'54.4" referenced to North American Datum of 1983, Miami County, OH, Hydrologic Unit 05080001.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 78 ft. Upper casing diameter 5.63 in; top of first opening 75 ft, bottom of last opening 78 ft. Domestic water-supply well.

DATUM.--Land-surface datum is 880 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 1.50 ft above land-surface datum, June 28, 1999, to present.

PERIOD OF RECORD.--Periodic water-level measurements from June 28, 1999 to current year. A water level from the well log is reported before this date but is not used in the period of record.

REMARKS.--This well is part of the NAWQA (National Water-Quality Assessment) of the White, Great, and Little Miami River Basins (WHMI study unit).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.03 ft below land-surface datum, July 21, 2011; lowest measured, 37.11 ft below land-surface datum, Jun. 28, 1999. A water level reported on the well log was 38 ft below land-surface datum on Oct. 21, 1986 but it is not used in the extremes for period of record.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: - - , static.]

Date	Water level	Measurement method	Water- level status
Jul 21	35.03	V	--

## 395706084035400 Local number MI-203—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water-quality data from June 28, 1999 to current year. Samples are collected approximately every two years.

REMARKS.--This well is part of the NAWQA (National Water-Quality Assessment) of the White, Great, and Little Miami River Basins (WHMI study unit). Water-quality samples are collected and analyzed for water-quality constituents (field parameters, major ions, nutrients, trace elements, pesticides and other organic compounds).

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, µS/cm at 25 °C (90095)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)
07-21-2011	740	31.0	.1	6.8	7.3	908	900	14.3	.2

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Carbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00452)
07-21-2011	533	111	41.5	1.73	28.2	347	E 422	.01	E .5

## 395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 3 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Hydrogen sulfide, water, unfiltered, mg/L (71875)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophos- phate, water, filtered, mg/L as P (00671)
07-21-2011	51.6	.50	U	15.2	50.5	< .010	< .02	< .001	.010

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 4 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)	Beryllium, water, filtered, µg/L (01010)	Cadmium, water, filtered, µg/L (01025)	Chromium, water, filtered, µg/L (01030)	Cobalt, water, filtered, µg/L (01035)	Copper, water, filtered, µg/L (01040)	Iron, water, filtered, µg/L (01046)	Lead, water, filtered, µg/L (01049)
07-21-2011	< .05	< 1.7	125	< .01	.02	< .06	.19	6.0	250	1.24

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 5 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Lithium, water, filtered, µg/L (01130)	Manga- nese, water, filtered, µg/L (01056)	Molyb- denum, water, filtered, µg/L (01060)	Nickel, water, filtered, µg/L (01065)	Silver, water, filtered, µg/L (01075)	Strontium, water, filtered, µg/L (01080)	Thallium, water, filtered, µg/L (01057)	Vanadium, water, filtered, µg/L (01085)	Zinc, water, filtered, µg/L (01090)	Antimony, water, filtered, µg/L (01095)
07-21-2011	4.6	61.4	6.67	.96	< .01	1,140	.03	< .08	54.1	.03

395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 6 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	1,2,3-Tri-	1,2-	1,2-	1,2-	1,3-Di-	1,4-	
				chloro- propane, water, unfiltered, recover- able, µg/L (77443)	Dibromo-3- chloro- propane, water, unfiltered, recover- able, µg/L (82625)	Dibromo- ethane, water, unfiltered, recover- able, µg/L (77651)	Dichloro- ethane, water, unfiltered, recover- able, µg/L (32103)	Dichloro- propane, water, unfiltered, recover- able, µg/L (34541)	Dichloro- propane, water, unfiltered, recover- able, µg/L (77173)	Dichloro- benzene, water, unfiltered, recover- able, µg/L (34571)
07-21-2011	.56	31	.09	< .12	< .4	< .03	< .1	< .03	< .1	< .03

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 7 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	1-	2,6-	2-Chloro-	2-Chloro-4-	2-Ethyl-6-	3,4-	3,5-Di-	3-Chloro-	4-Chloro-2-	Aceto-
	Naphthol, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49295)	Diethyl- aniline, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82660)	2'-6'- diethyl- acetani- lide, water, filtered, recover- able, µg/L (61618)	isopropyl- amino-6- triazine, water, filtered, recover- able, µg/L (04040)	methyl- aniline, water, filtered, recover- able, µg/L (61620)	Dichloro- aniline, water, filtered, recover- able, µg/L (61625)	chloro- aniline, water, filtered, recover- able, µg/L (61627)	propene, water, unfiltered, recover- able, µg/L (78109)	methyl- phenol, water, filtered, recover- able, µg/L (61633)	chlor, water, filtered, recover- able, µg/L (49260)
07-21-2011	< .036	< .006	< .010	< .006	< .010	< .004	< .004	< .08	< .005	< .010

## 395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 8 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Acrylo-	Alachlor,	alpha-	Atrazine,	Azinphos-	Azinphos-	Benfluralin,	Bromo-	Carbaryl,
	nitrile,	water,	Endo-	water,	methyl	methyl,	water,	methane,	water,
	water,	water,	sulfan,	water,	oxygen	water,	water,	water,	water,
	unfiltered,	filtered,	water,	filtered,	analog,	(0.7 micron	filtered	filtered	(0.7 micron
	recover-	recover-	filtered,	recover-	water,	glass fiber	(0.7 micron	water,	glass fiber
	able,	able,	recover-	able,	filtered,	filter),	glass fiber	unfiltered,	filter),
	µg/L	µg/L	able,	µg/L	recover-	recover-	filter),	recover-	recover-
	(34215)	(46342)	µg/L	(39632)	able,	able,	recoverable,	able,	able,
			(34362)		µg/L	µg/L	µg/L	µg/L	µg/L
					(61635)	(82686)	(82673)	(34413)	(82680)
07-21-2011	< 0.8	< .008	< .006	< .008	< .04	< .120	< .014	< .2	< .060

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 9 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Carbofuran,	Carbon	Chlorpyrifos	Chlor-	cis-1,3-Di-	cis-	cis-	Cyanazine,	Cyfluthrin,
	water,	disulfide,	oxygen	pyrifos,	chloro-	Permeth-	Propicon-	water,	water,
	filtered	water,	analog,	water,	propene,	rin, water,	azole,	water,	water,
	(0.7 micron	unfiltered,	water,	filtered,	water,	filtered	water,	filtered,	filtered,
	glass fiber	water,	filtered,	recover-	unfiltered,	(0.7 micron	filtered,	filtered,	filtered,
	filter),	recover-	recover-	able,	recover-	glass fiber	recover-	recover-	recover-
	recover-	able,	able,	µg/L	able,	filter),	able,	able,	able,
	µg/L	µg/L	µg/L	(38933)	µg/L	recover-	µg/L	µg/L	µg/L
	(82674)	(77041)	(61636)		(34704)	able,	(79846)	(04041)	(61585)
						µg/L			
07-21-2011	< .060	< .08	< .06	< .004	< .10	< .010	< .008	< .022	< .016

## 395706084035400 Local number MI-203—Continued

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 10 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered, recoverable, µg/L (82682)	Desulfinyl-fipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dichlorvos, water, filtered, recoverable, µg/L (38775)	Dicrotophos, water, filtered, recoverable, µg/L (38454)	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dimethoate, water, filtered, recoverable, µg/L (82662)	Disulfoton sulfone, water, filtered, recoverable, µg/L (61640)
07-21-2011	< .020	< .008	< .029	< .012	< .006	< .04	< .08	< .008	< .006	< .01

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 11 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Disulfoton, water, filtered, recoverable, µg/L (82677)	Endosulfan sulfate, water, filtered, recoverable, µg/L (61590)	EPTC, water, filtered, recoverable, µg/L (82668)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	Ethoprop, water, filtered, recoverable, µg/L (82672)	Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645)	Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenamiphos, water, filtered, recoverable, µg/L (61591)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)
07-21-2011	< .04	< .016	< .006	< .02	< .008	< .016	< .054	< .08	< .03	< .012

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 12 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)
07-21-2011	< .024	< .018	< .005	< .008	< .26	< .014	< .006	< .010	< .022	< .016

## 395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 13 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Metalaxyl,	Methida-	Methyl	Methyl	Metola-	Metri-	Molinate,	Myclo-	Oxy-	Pendi-
	water, filtered, recover- able, µg/L (61596)	thion, water, filtered, recover- able, µg/L (61598)	paraoxon, water, filtered, recover- able, µg/L (61664)	parathion, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82667)	chlor, water, filtered, recover- able, µg/L (39415)	buzin, water, filtered, recover- able, µg/L (82630)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82671)	butanil, water, filtered, recover- able, µg/L (61599)	fluorfen, water, filtered, recover- able, µg/L (61600)	methalin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82683)
07-21-2011	< .014	< .012	< .01	< .008	< .020	< .012	< .004	< .010	< .006	< .012

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 14 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Phorate	Phorate,	Phosmet	Phosmet,	Prometon,	Prometryn,	Propanil,	Propargite,	Propyz-	Simazine,
	oxygen analog, water, filtered, recover- able, µg/L (61666)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82664)	oxygen analog, water, filtered, recover- able, µg/L (61668)	water, filtered, recover- able, µg/L (61601)	water, filtered, recover- able, µg/L (04037)	water, filtered, recover- able, µg/L (04036)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82679)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82685)	amide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82676)	water, filtered, recover- able, µg/L (04035)
07-21-2011	< .03	< .020	< .05	< .140	< .012	< .006	< .010	< .02	< .004	< .006

## 395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 15 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)	Tefluthrin, water, filtered, recover- able, µg/L (61606)	Terbufos oxygen analog sulfone, water, filtered, recover- able, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82675)	Terbuthyl- azine, water, filtered, recover- able, µg/L (04022)	Thioben- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82681)	trans-1,3- Dichloro- propene, water, unfiltered, recover- able, µg/L (34699)	trans- Propicon- azole, water, filtered, recover- able, µg/L (79847)	Tribuphos, water, filtered, recover- able, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)
07-21-2011	< .03	< .010	< .04	< .02	< .01	< .016	< .14	< .01	< .018	< .018

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 16 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	1,1,1,2- Tetra- chloro- ethane, water, unfiltered, recover- able, µg/L (77562)	1,1,1-Tri- chloro- ethane, water, unfiltered, recover- able, µg/L (34506)	1,1,2,2- Tetra- chloro- ethane, water, unfiltered, recover- able, µg/L (34516)	1,1,2-Tri- chloro- 1,2,2- trifluoro- ethane, water, unfiltered, recover- able, µg/L (77652)	1,1,2-Tri- chloro- ethane, water, unfiltered, recover- able, µg/L (34511)	1,1-Di- chloro- ethane, water, unfiltered, recover- able, µg/L (34496)	1,1-Di- chloro- ethene, water, unfiltered, recover- able, µg/L (34501)	1,1-Di- chloro- propene, water, unfiltered, recover- able, µg/L (77168)	1,2,3,4- Tetra- methyl- benzene, water, unfiltered, recover- able, µg/L (49999)	1,2,3,5- Tetra- methyl- benzene, water, unfiltered, recover- able, µg/L (50000)
07-21-2011	< .04	< .03	< .14	< .03	< .03	< .04	< .02	< .04	< .1	< .080

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 17 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	1,2,3-Tri- chloro- benzene, water, unfiltered, recover- able, µg/L (77613)	1,2,3-Tri- methyl- benzene, water, unfiltered, recover- able, µg/L (77221)	1,2,4-Tri- chloro- benzene, water, unfiltered, recover- able, µg/L (34551)	1,2,4-Tri- methyl- benzene, water, unfiltered, recover- able, µg/L (77222)	1,2- Dichloro- benzene, water, unfiltered, recover- able, µg/L (34536)	1,3,5-Tri- methyl- benzene, water, unfiltered, recover- able, µg/L (77226)	1,3- Dichloro- benzene, water, unfiltered, recover- able, µg/L (34566)	2,2-Di- chloro- propane, water, unfiltered, recover- able, µg/L (77170)	2-Chloro- toluene, water, unfiltered, recover- able, µg/L (77275)	2-Ethyl- toluene, water, unfiltered, recover- able, µg/L (77220)
07-21-2011	< .1	< .060	< .1	< .03	< .03	< .03	< .02	< .06	< .03	< .03

## 395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 18 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	4-Chloro- toluene, water, unfiltered, recover- able, µg/L (77277)	4-Iso- propyl- toluene, water, unfiltered, recover- able, µg/L (77356)	Acetone, water, unfiltered, recover- able, µg/L (81552)	Benzene, water, unfiltered, recover- able, µg/L (34030)	Bromo- benzene, water, unfiltered, recover- able, µg/L (81555)	Bromo- chloro- methane, water, unfiltered, recover- able, µg/L (77297)	Bromo- dichloro- methane, water, unfiltered, recover- able, µg/L (32101)	Bromo- ethene, water, unfiltered, recover- able, µg/L (50002)	Chloro- benzene, water, unfiltered, recover- able, µg/L (34301)	Chloro- ethane, water, unfiltered, recover- able, µg/L (34311)
07-21-2011	< .04	< .06	< 3	< .03	< .02	< .06	< .03	< .1	< .03	< .1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 19 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Chloro- methane, water, unfiltered, recover- able, µg/L (34418)	cis-1,2-Di- chloro- ethene, water, unfiltered, recover- able, µg/L (77093)	Dibromo- chloro- methane, water, unfiltered, recover- able, µg/L (32105)	Dibromo- methane, water, unfiltered, recover- able, µg/L (30217)	Dichloro- difluoro- methane, water, unfiltered, recover- able, µg/L (34668)	Dichloro- methane, water, unfiltered, recover- able, µg/L (34423)	Diethyl ether, water, unfiltered, recover- able, µg/L (81576)	Diiso- propyl ether, water, unfiltered, recover- able, µg/L (81577)	Ethyl metha- crylate, water, unfiltered, recover- able, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recover- able, µg/L (81595)
07-21-2011	< .140	< .02	< .1	< .05	< .10	< .04	< .1	< .06	< .2	< 1.6

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 20 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Ethyl- benzene, water, unfiltered, recover- able, µg/L (34371)	Hexa- chloro- butadiene, water, unfiltered, recover- able, µg/L (39702)	Hexa- chloro- ethane, water, unfiltered, recover- able, µg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recover- able, µg/L (78133)	Isopropyl- benzene, water, unfiltered, recover- able, µg/L (77223)	Methyl acrylate, water, unfiltered, recover- able, µg/L (49991)	Methyl acrylo- nitrile, water, unfiltered, recover- able, µg/L (81593)	Methyl metha- crylate, water, unfiltered, recover- able, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recover- able, µg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recover- able, µg/L (50005)
07-21-2011	< .04	< .1	< .2	< .3	< .04	< .8	< .3	< .2	< .10	< .06

## 395706084035400 Local number MI-203—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 21 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	m-Xylene plus p-xylene, water, unfiltered, recoverable, µg/L (85795)	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, µg/L (77103)	n-Butyl-benzene, water, unfiltered, recoverable, µg/L (77342)	n-Propyl-benzene, water, unfiltered, recoverable, µg/L (77224)	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	sec-Butyl-benzene, water, unfiltered, recoverable, µg/L (77350)	Styrene, water, unfiltered, recoverable, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butyl-benzene, water, unfiltered, recoverable, µg/L (77353)
07-21-2011	< .08	< .2	< .4	< .1	< .04	< .03	< .03	< .04	< .03	< .06

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 22 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Tetra-chloro-ethene, water, unfiltered, recoverable, µg/L (34475)	Tetra-chloro-methane, water, unfiltered, recoverable, µg/L (32102)	Tetra-hydro-furan, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, µg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, µg/L (32106)
07-21-2011	< .03	< .06	< 1	< .02	< .02	< .4	< .10	< .02	< .06	< .03

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2010 TO  
SEPTEMBER 2011**

Part 23 of 23

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Vinyl chloride, water, unfiltered, recover- able, μg/L (39175)	Uranium (natural), water, filtered, μg/L (22703)
07-21-2011	< .1	1.82