Water-Data Report 2012

400954075354501 Local number CH 1567

Early Mesozoic basin aquifers
Brunswick Formation

Chester County, PA

LOCATION.--Lat 40°09'55.6", long 75°35'43.7" referenced to North American Datum of 1983, Chester County, PA, Hydrologic Unit 02040203.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 105 ft. Upper casing diameter 7 in; top of first opening undefined, bottom of last opening undefined. Open hole, cased to 28 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.36 ft above land-surface datum, July 15, 1999, to present.

PERIOD OF RECORD.--Water years 1999, 2003, 2005, 2007, 2009, 2012 (one sample each year).

REMARKS.--Groundwater water-quality data collected for the Delaware River Basin Mesozoic Aquifer Study.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, lab, milligrams per liter (62971)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)
08-13-2012	**1030**	755	27.0	22.43	--	4.1	42	482	15.9
08-13-2012	**1031**	--	--	--	3.2	--	--	--	--
08-13-2012	**1032**	--	--	--	3.0	--	--	--	--
08-13-2012	**1122**	--	--	--	--	--	--	--	--
08-13-2012	**1400**	--	--	--	--	--	--	--	--

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 400954075354501, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/400954075354501.2012.pdf

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 2 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	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 $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)
08-13-2012	1030	5.3	320	64.9	9.55	1.10	15.5	114	139
08-13-2012	1031	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 3 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Bromide, water, filtered, mg/L (71870)	Carbon dioxide, water, unfiltered, mg/L (00405)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Dinitrogen, water, unfiltered, milligrams per liter (00597)
08-13-2012	1030	< .010	--	0.0	59.9	< .04	21.3	17.0	< .010	--
08-13-2012	1031	--	37.0	--	--	--	--	--	--	19.56
08-13-2012	1032	--	36.6	--	--	--	--	--	--	20.70
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 4 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	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)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Coliphage, F-specific, E. coli FAMP-host, 2-step enrichment, water, presence or absence per liter (99335)	Coliphage, somatic, E. coli CN13-host, 2-step enrichment, water, presence or absence per liter (99332)	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)
08-13-2012	1030	4.13	< .001	0.068	4.23	--	--	< 2.2	461
08-13-2012	1031	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	U	U	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 5 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	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)	Lithium, water, filtered, µg/L (01130)	Manga-nese, water, filtered, µg/L (01056)
08-13-2012	1030	0.007	< .016	0.31	0.078	42.9	7.3	0.159	11.6	1.78
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 6 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Molybdenum, 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)	Argon, water, unfiltered, milligrams per liter (82043)
08-13-2012	1030	0.107	1.5	< .005	180	< .010	0.67	4.2	< .027	--
08-13-2012	1031	--	--	--	--	--	--	--	--	.6960
08-13-2012	1032	--	--	--	--	--	--	--	--	.7150
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 7 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	Sulfur hexafluoride, water, unfiltered, recoverable, femtograms per kilogram (63149)	1,2,3-Trichloropropane, water, unfiltered, recoverable, µg/L (77443)	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, µg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, µg/L (34541)
08-13-2012	1030	0.84	13	0.52	775.2	< .120	< .400	< .028	< .08	< .0260
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	737.0	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 8 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	1,3-Dichloropropane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Ethyl-6-methylaniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloroaniline, water, filtered, recoverable, µg/L (61625)	3,5-Dichloroaniline, water, filtered, recoverable, µg/L (61627)
08-13-2012	1030	< .06	< .026	< .0360	< .0060	< .010	E .004	< .010	< .0060	< .006
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 9 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	3-Chloropropene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methylphenol, water, filtered, recoverable, µg/L (61633)	Acetochlor, water, filtered, recoverable, µg/L (49260)	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-Endosulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)
08-13-2012	1030	< .08	< .0080	< .010	< .48	< .008	< .006	< .008	< .120	< .014
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 10 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Bromomethane, water, unfiltered, recoverable, µg/L (34413)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recover--able, µg/L (82674)	Carbon disulfide, water, unfiltered, µg/L (77041)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34704)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	cis-Propiconazole, water, filtered, recoverable, µg/L (79846)	Cyanazine, water, filtered, recoverable, µg/L (04041)
08-13-2012	1030	< .2	< .060	< .060	< .1	< .0036	< .10	< .010	< .008	< .022
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 11 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cypermethrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinylfipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinylfipronil, 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)
08-13-2012	1030	< .016	< .020	< .0076	< .029	< .012	< .0060	< .04	< .08	< .008
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 12 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82662)	Disulfoton sulfone, water, filtered, recoverable, µg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82677)	Endosulfan sulfate, water, filtered, recoverable, µg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82668)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82672)	Fenamiphos sulfone, water, filtered, recoverable, µg/L (61645)
08-13-2012	1030	< .0100	< .014	< .040	< .016	< .0056	< .021	< .010	< .016	< .054
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 13 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Fenamiphos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenamiphos, water, filtered, recoverable, µg/L (61591)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	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)
08-13-2012	1030	< .08	< .030	< .012	< .024	< .018	< .0048	< .012	< .26	< .014
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 14 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	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)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)
08-13-2012	1030	< .008	< .010	< .022	< .016	< .014	< .012	< .014	< .008	< .020
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 15 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Metribuzin, water, filtered, recoverable, µg/L (82630)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)
08-13-2012	1030	< .012	< .0040	< .010	< .010	< .012	< .020	< .080	< .012	< .010
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 16 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Tefluthrin, water, filtered, recoverable, µg/L (61606)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Terbuthylazine, water, filtered, recoverable, µg/L (04022)	Thiobencarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82681)
08-13-2012	1030	< .010	< .020	< .0036	< .006	< .028	< .014	< .018	< .008	< .016
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 17 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	trans-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34699)	trans-Propiconazole, water, filtered, recoverable, µg/L (79847)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Trichloroethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Trichloroethane, water, unfiltered, recoverable, µg/L (34511)
08-13-2012	1030	< .14	< .018	< .018	< .018	< .040	0.011	< .14	< .022	< .046
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 18 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	1,1-Dichloroethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Dichloroethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Dichloropropene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77222)
08-13-2012	1030	< .044	< .022	< .040	< .10	< .080	< .06	< .060	< .08	< .032
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 19 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	1,2-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34536)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Dichloropropane, water, unfiltered, recoverable, µg/L (77170)	2-Chlorotoluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyltoluene, water, unfiltered, recoverable, µg/L (77220)	4-Chlorotoluene, water, unfiltered, recoverable, µg/L (77277)	4-Isopropyltoluene, water, unfiltered, recoverable, µg/L (77356)	Acetone, water, unfiltered, recoverable, µg/L (81552)
08-13-2012	1030	< .028	< .032	< .024	< .06	< .028	< .032	< .042	< .06	< 3.4
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 20 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromobenzene, water, unfiltered, recoverable, µg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, µg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, µg/L (32101)	Bromoethene, water, unfiltered, recoverable, µg/L (50002)	Chlorobenzene, water, unfiltered, recoverable, µg/L (34301)	Chloroethane, water, unfiltered, recoverable, µg/L (34311)	Chloromethane, water, unfiltered, recoverable, µg/L (34418)	cis-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (77093)
08-13-2012	1030	< .026	< .022	< .06	< .034	< .12	< .026	< .06	< .1	< .022
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 21 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Dibromochloromethane, water, unfiltered, recoverable, µg/L (32105)	Dibromomethane, water, unfiltered, recoverable, µg/L (30217)	Dichlorodifluoromethane, water, unfiltered, recoverable, µg/L (34668)	Dichloromethane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)	Diisopropyl ether, water, unfiltered, recoverable, µg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)	Ethylbenzene, water, unfiltered, recoverable, µg/L (34371)
08-13-2012	1030	< .12	< .050	< .10	< .04	< .1	< .06	< .20	< 1.6	< .036
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 22 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	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)	Methane, water, unfiltered, recover-able, mg/L (85574)	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)
08-13-2012	1030	< .08	< .10	< .32	< .042	--	< .8	< .26	< .22	< .10
08-13-2012	1031	--	--	--	--	< .0010	--	--	--	--
08-13-2012	1032	--	--	--	--	< .0010	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 23 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Methyl tert-pentyl ether, water, unfiltered, recover-able, µg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recover-able, µg/L (85795)	Naphtha-lene, water, unfiltered, recover-able, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recover-able, µg/L (77103)	n-Butyl-benzene, water, unfiltered, recover-able, µg/L (77342)	n-Propyl-benzene, water, unfiltered, recover-able, µg/L (77224)	Organic carbon, water, filtered, mg/L (00681)	o-Xylene, water, unfiltered, recover-able, µg/L (77135)	sec-Butyl-benzene, water, unfiltered, recover-able, µg/L (77350)
08-13-2012	1030	< .06	< .08	< .18	< .4	< .08	< .036	1.86	< .032	< .034
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

400954075354501 Local number CH 1567—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 24 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Styrene, water, unfiltered, recoverable, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butylbenzene, water, unfiltered, recoverable, µg/L (77353)	Tetrachloroethene, water, unfiltered, recoverable, µg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)
08-13-2012	1030	< .042	< .032	< .060	0.013	< .06	< 1.4	< .02	< .018	< 2.0
08-13-2012	1031	--	--	--	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 25 of 25

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; 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; --, no data; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Tribromomethane, water, unfiltered, recoverable, µg/L (32104)	Trichloroethene, water, unfiltered, recoverable, µg/L (39180)	Trichlorofluoromethane, water, unfiltered, recoverable, µg/L (34488)	Trichloromethane, water, unfiltered, recoverable, µg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)	Uranium (natural), water, filtered, µg/L (22703)
08-13-2012	1030	< .10	0.056	< .06	0.07	< .06	0.686
08-13-2012	1031	--	--	--	--	--	--
08-13-2012	1032	--	--	--	--	--	--
08-13-2012	1122	--	--	--	--	--	--
08-13-2012	1400	--	--	--	--	--	--