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Water-Data Report 2011

383944077184901 Local number 52T 71

Valley and Ridge aquifers
Cambrian System

Prince William County, VA

LOCATION.--Lat 38°39'44.17", long 77°18'49.05" referenced to North American Datum of 1983, Prince William County, VA, Hydrologic Unit 02070010.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 76.18 ft. Upper casing diameter 6 in; top of first opening 12.5 ft, bottom of last opening 77 ft.

DATUM.--Land-surface datum is 265 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 0.0 ft above land-surface datum, Dec. 26, 2002, to present.

PERIOD OF RECORD.--Intermittent water-quality records collected at this station since Water Year 2003.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 27

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Flow rate, instanta-neous, gallons per minute (00059)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)
08-17-2011	**1015**	Groundwater	Regular	760	14.88	6.9	78	.21	6.5	E 6.7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Specific conduc-tance, water, unfiltered, laboratory, µS/cm at 25 °C (90095)	Specific conduc-tance, water, unfiltered, µS/cm at 25 °C (00095)	Tempera-ture, water, °C (00010)	Turbidity, water, unfiltered, mono-chrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Sampling depth, ft (00003)	1,2-Dichloro-ethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery (99832)	1-Bromo-4-fluoro-benzene, surrogate, VOC schedules, water, unfiltered, percent recovery (99834)	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery (99995)
08-17-2011	**1015**	E 93.9	94	21.2	2.0	60.0	138.51	81.44	93.3

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 383944077184901, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/383944077184901.2011.pdf

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 27

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery (99994)	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery; (99833)	Number of tentatively identified compounds (TICS) from VOC analysis by GCMS, number (99871)	Sampler type (84164)	Sampling method (82398)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Hardness, water, mg/L as $CaCO_3$ (00900)
08-17-2011	**1015**	92.3	87.01	.0	Sbmrsbl pos pressure	Submersible pump	79	29.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)
08-17-2011	**1015**	10.7	.556	.356	5.74	23	E 28	.0159	6.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L as N (00613)	Organic nitrogen, water, filtered, mg/L (00607)	Orthophosphate, water, filtered, mg/L (00660)
08-17-2011	**1015**	.053	32.5	2.79	< .010	1.34	1.33	.00102	< .05	.109

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 27

[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Orthophos-phate, water, filtered, mg/L as P (00671)	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)
08-17-2011	**1015**	.0356	1.39	< 1.7	5.20	.0495	.020	.326	.581

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	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)
08-17-2011	**1015**	< .5	4.4	.0164	1.08	1.41	.919	.725	< .005	34.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Thallium, water, filtered, µg/L (01057)	Vanadium, water, filtered, µg/L (01085)	Zinc, water, filtered, µg/L (01090)	Antimony, water, filtered, µg/L (01095)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	1,2,3-Tri-chloro-propane, water, unfiltered, recover-able, µg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recover-able, µg/L (82625)
08-17-2011	**1015**	< .010	< .08	< 1.4	< .027	.184	< 3	.133	< .12	< .4

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	1,2-Dibromo-ethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloro-propane, water, unfiltered, recoverable, µg/L (34541)	1,3-Dichloro-propane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34571)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropyl-amino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)
08-17-2011	1015	< .028	< .08	< .026	< .06	< .026	< .036	< .0060	< .010	E .0053

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3,5-Dichloro-aniline, water, filtered, recoverable, µg/L (61627)	3-Chloro-propene, water, unfiltered, recoverable, µg/L (78109)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L (61633)	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)
08-17-2011	1015	< .010	< .0042	< .0040	< .08	< .0046	< .010	< .8	< .008	< .006

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	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)	Bromo-methane, 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), recoverable, µg/L (82674)	Carbon disulfide, water, unfiltered, µg/L (77041)
08-17-2011	**1015**	< .008	< .042	< .12	< .014	< .2	< .06	< .060	< .08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlor-pyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Di-chloro-propene, water, unfiltered, recoverable, µg/L (34704)	cis-Permeth-rin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	cis-Propicon-azole, water, filtered, recoverable, µg/L (79846)	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cyper-methrin, water, filtered, recoverable, µg/L (61586)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)
08-17-2011	**1015**	< .06	< .0036	< .1	< .010	< .008	< .022	< .016	< .020	< .0076

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Desulfinyl-fipronil amide, water, filtered, recover-able, µg/L (62169)	Desulfinyl-fipronil, water, filtered, recover-able, µg/L (62170)	Diazinon, water, filtered, recover-able, µg/L (39572)	Dichlor-vos, water, filtered, recover-able, µg/L (38775)	Dicroto-phos, water, filtered, recover-able, µg/L (38454)	Dieldrin, water, filtered, recover-able, µg/L (39381)	Dimetho-ate, water, filtered (0.7 micron glass fiber filter), recover-able, µg/L (82662)	Disulfoton sulfone, water, filtered, recover-able, µg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recover-able, µg/L (82677)
08-17-2011	1015	< .029	< .012	< .0060	< .04	< .08	< .008	< .006	< .014	< .040

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Endosulfan sulfate, water, filtered, recover-able, µg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recover-able, µg/L (82668)	Ethion monoxon, water, filtered, recover-able, µg/L (61644)	Ethion, water, filtered, recover-able, µg/L (82346)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recover-able, µg/L (82672)	Fenami-phos sulfone, water, filtered, recover-able, µg/L (61645)	Fenami-phos sulfoxide, water, filtered, recover-able, µg/L (61646)	Fenami-phos, water, filtered, recover-able, µg/L (61591)	Fipronil sulfide, water, filtered, recover-able, µg/L (62167)
08-17-2011	1015	< .016	< .0056	< .021	< .008	< .016	< .054	< .08	< .030	< .012

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Fipronil sulfone, water, filtered, recover-able, µg/L (62168)	Fipronil, water, filtered, recover-able, µg/L (62166)	Fonofos, water, filtered, recover-able, µg/L (04095)	Hexa-zinone, water, filtered, recover-able, µg/L (04025)	Iodo-methane, water, unfiltered, recover-able, µg/L (77424)	Iprodione, water, filtered, recover-able, µg/L (61593)	Isofen-phos, water, filtered, recover-able, µg/L (61594)	lambda-Cyhalo-thrin, water, filtered, recover-able, µg/L (61595)	Malaoxon, water, filtered, recover-able, µg/L (61652)
08-17-2011	1015	< .024	< .018	< .0048	< .008	< .26	< .014	< .006	< .010	< .022

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WATER-QUALITY DATA
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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	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)
08-17-2011	1015	< .016	< .014	< .012	< .014	< .008	< .020	< .012	< .0040	< .010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)
08-17-2011	1015	< .006	< .012	< .027	< .020	< .0511	< .14	< .012	< .006	< .010

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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 oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)	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)
08-17-2011	1015	< .020	< .0036	< .006	< .028	< .010	< .045	< .018	< .0060	< .016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

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)
08-17-2011	1015	< .14	< .010	< .018	< .018	< .04	< .03	< .14	< .034	< .028

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WATER-QUALITY DATA
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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

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)
08-17-2011	1015	< .044	< .022	< .04	< .1	< .08	< .06	< .06	< .08	< .032

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

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)
08-17-2011	1015	< .028	< .032	< .024	< .06	< .028	< .032	< .042	< .06	< 3.4

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

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)
08-17-2011	1015	< .026	< .022	< .06	< .034	< .12	< .026	< .06	< .14	< .022

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	Ethyl-benzene, water, unfiltered, recover-able, µg/L (34371)
08-17-2011	1015	< .12	< .05	< .1	< .04	< .1	< .06	< .2	< 1.6	< .036

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

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)	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)
08-17-2011	1015	< .08	< .22	< .32	< .042	< .8	< .26	< .22	.066	< .06

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	o-Xylene, water, unfiltered, recover-able, µg/L (77135)	sec-Butyl-benzene, water, unfiltered, recover-able, µg/L (77350)	Styrene, water, unfiltered, recover-able, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recover-able, µg/L (50004)
08-17-2011	1015	< .08	< .18	< .4	< .08	< .036	< .032	< .034	< .042	< .032

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	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)	Tribromomethane, water, unfiltered, recoverable, µg/L (32104)	Trichloroethene, water, unfiltered, recoverable, µg/L (39180)
08-17-2011	**1015**	< .06	< .026	< .06	< 1.4	< .018	< .018	< .36	< .1	< .022

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[%, percent; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; GCMS, gas chromatography/mass spectrometry; LED, light-emitting diode; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; VOC, volatile organic compounds; 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; <, less than; E, estimated]

Date	Sample start time	Trichlorofluoromethane, water, unfiltered, recoverable, µg/L (34488)	Trichloromethane, water, unfiltered, recoverable, µg/L (32106)	Trihalomethanes, water, unfiltered, minimum summation, micrograms per liter (90851)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)	Uranium (natural), water, filtered, µg/L (22703)
08-17-2011	**1015**	< .06	.525	.5	< .06	.575