



Water-Data Report 2011

450448093205301 Local number HN-I 119N21W28DCD 01 0000560415

Sand and gravel aquifers (glaciated regions)
Glacial Surficial Sand and/or Gravel

Hennepin County, MN

LOCATION.--Lat 45°04'50.16", long 93°20'50.77" referenced to North American Datum of 1983, in SE ¼ SW ¼ SE ¼ sec.28, T.119 N., R.21 W., Hennepin County, MN, Hydrologic Unit 07010206.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 18 ft. Upper casing diameter 2 in; top of first opening 13 ft, bottom of last opening 18 ft. The well and screen are constructed of 2 inch diameter PVC.

DATUM.--Land-surface datum is 866.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, not protection post, 1.80 ft above land-surface datum, May 24, 1996, to present.

PERIOD OF RECORD.--Samples collected periodically June 1996 to present.

REMARKS.--This site is part of the Upper Mississippi Watershed Study Unit within the National Water-Quality Assessment (NAWQA) Program. NAWQA was implemented by the USGS in 1991 to develop long-term consistent and comparable information on streams, rivers, ground water, and aquatic systems in support of national, regional, State, and local information needs and decisions related to water-quality management and policy.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Medium name	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, unfiltered, water, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, unfiltered, water, laboratory, µS/cm at 25 °C (90095)	Specific conductance, unfiltered, water, laboratory, µS/cm at 25 °C (00095)
07-28-2011	1200	Groundwater	739	29.0	9.36	M	6.7	7.3	1,240	1,270

450448093205301 Local number HN-I 119N21W28DCD 01 000560415—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	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)	Sample purpose (71999)	Sampling method (82398)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)
07-28-2011	1200	14.5	1.6	NAWQA	Submersible pump	810	138	39.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	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)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)
07-28-2011	1200	2.99	82.2	330	401	.06	.2	147	.26

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Hydrogen sulfide, water, unfiltered, mg/L (71875)	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)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)
07-28-2011	1200	U	22.8	129	.022	4.50	.044	.019	4.70

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	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)
07-28-2011	1200	< 1.7	276	< .01	.05	.30	5.3	3.3	13	.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Lithium, water, filtered, µg/L (01130)	Manganese, water, filtered, µg/L (01056)	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)
07-28-2011	1200	5.5	1,330	1.41	21.8	< .01	305	.05	4.6	1.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	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, recoverable, µg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, µg/L (82625)	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)
07-28-2011	1200	1.40	1.2	35	1.2	< .12	< .4	< .03	< .1	< .03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	1,3-Di-chloro-propane, water, unfiltered, recoverable,	1,4-Dichloro-benzene, water, unfiltered, recoverable,	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable,	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable,	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable,	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable,	2-Ethyl-6-methyl-aniline, water, filtered, recoverable,	3,4-Dichloro-aniline, water, filtered, recoverable,	3,5-Di-chloro-aniline, water, filtered, recoverable,
		µg/L (77173)	µg/L (34571)	µg/L (49295)	µg/L (82660)	µg/L (61618)	µg/L (04040)	µg/L (61620)	µg/L (61625)	µg/L (61627)
07-28-2011	1200	< .1	< .03	< .036	< .006	< .010	< .006	< .010	< .004	< .004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 9 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	3-Chloro-propene, water, unfiltered, recoverable,	4-Chloro-2-methyl-phenol, water, filtered, recoverable,	Aceto-chlor, water, filtered, recoverable,	Acrylo-nitrile, water, unfiltered, recoverable,	Alachlor, water, filtered, recoverable,	alpha-Endo-sulfan, water, filtered, recoverable,	Atrazine, water, filtered, recoverable,	Azinphos-methyl oxygen analog, water, filtered, recoverable,	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable,
		µg/L (78109)	µg/L (61633)	µg/L (49260)	µg/L (34215)	µg/L (46342)	µg/L (34362)	µg/L (39632)	µg/L (61635)	µg/L (82686)
07-28-2011	1200	< .08	< .005	< .010	< 0.8	< .008	< .006	< .008	< .04	< .120

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Benfluralin,	Bromo-	Carbaryl,	Carbofuran,	Chlorpyrifos	Chlor-	cis-1,3-Di-	
		water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82673)	methane, water, unfiltered, recover- able, μg/L (34413)	water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82680)	water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82674)	Carbon disulfide, water, unfiltered, μg/L (77041)	oxy- gen analog, water, filtered, recoverable, μg/L (61636)	pyrifos, water, filtered, recover- able, μg/L (38933)	chloro- propene, water, unfiltered, recover- able, μg/L (34704)
07-28-2011	1200	< .014	< .2	< .060	< .060	< .08	< .06	< .004	< .10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	cis-	cis-	Cyanazine,	Cyfluthrin,	Cyper-	DCPA,	Desulfinyl-	Desulfinyl-	Diazinon,
		Permeth- rin, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82687)	Propicon- azole, water, filtered, recover- able, μg/L (79846)	water, water, filtered, recover- able, μg/L (04041)	water, water, filtered, recover- able, μg/L (61585)	methrin, water, filtered, recover- able, μg/L (61586)	water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82682)	water, water, filtered, recover- able, μg/L (62169)	fipronil amide, water, filtered, recover- able, μg/L (62170)	fipronil, water, filtered, recover- able, μg/L (62170)
07-28-2011	1200	< .010	< .008	< .022	< .016	< .020	< .008	< .029	< .012	< .006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 12 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Dichlor-	Dicroto-	Dieldrin,	Dimetho-	Disulfoton	Disulfoton,	Endosulfan	EPTC,	Ethion,
		vos, water, filtered, recover- able, μg/L (38775)	phos, water, filtered, recover- able, μg/L (38454)	water, water, filtered, recover- able, μg/L (39381)	ate, water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82662)	sulfone water, filtered, recover- able, μg/L (61640)	water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82677)	sulfate, water, filtered, recover- able, μg/L (61590)	water, filtered (0.7 micron glass fiber filter), recover- able, μg/L (82668)	water, water, filtered, recover- able, μg/L (82346)
07-28-2011	1200	< .04	< .08	< .008	< .006	< .01	< .04	< .016	< .006	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 13 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82672)	Fenami-phos sulfone, water, filtered, recoverable, µg/L (61645)	Fenami-phos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenami-phos, 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)
07-28-2011	1200	< .016	< .054	< .08	< .03	< .012	< .024	< .018	< .005	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Iodo-methane, water, unfiltered, recoverable, µg/L (77424)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofen-phos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595)	Malaoxon, water, filtered, recoverable, µg/L (61652)	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)
07-28-2011	1200	< .26	< .014	< .006	< .010	< .022	< .014	< .012	< .01	< .008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Metolachlor,	Metribuzin,	Molinate,	Myclobutanil,	Oxyfluorfen,	Pendimethalin,	Phorate,	Phosmet	
		water, filtered, recoverable, µg/L (39415)	water, filtered, recoverable, µg/L (82630)	water, filtered, recoverable, µg/L (82671)	water, filtered, recoverable, µg/L (61599)	water, filtered, recoverable, µg/L (61600)	water, filtered, recoverable, µg/L (82683)	water, filtered, recoverable, µg/L (61666)	water, filtered, recoverable, µg/L (82664)	water, filtered, recoverable, µg/L (61668)
07-28-2011	1200	< .020	< .012	< .004	< .010	< .006	< .012	< .03	< .020	< .05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 16 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Phosmet,	Prometon,	Prometryn,	Propanil,	Propargite,	Propyzamide,	Simazine,	Tebu-thiuron,	Tefluthrin,
		water, filtered, recoverable, µg/L (61601)	water, filtered, recoverable, µg/L (04037)	water, filtered, recoverable, µg/L (04036)	water, filtered, recoverable, µg/L (82679)	water, filtered, recoverable, µg/L (82685)	water, filtered, recoverable, µg/L (82676)	water, filtered, recoverable, µg/L (04035)	water, filtered, recoverable, µg/L (82670)	water, filtered, recoverable, µg/L (61606)
07-28-2011	1200	< .140	.011	< .006	< .010	< .02	< .004	< .006	< .03	< .010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Terbufos oxygen analog sulfone, water, filtered, recoverable, (61674) µg/L	Terbufos, water, filtered, (0.7 micron glass fiber filter), recoverable, (82675) µg/L	Terbutyl-azine, water, filtered, recoverable, (04022) µg/L	Thioben-carb, water, filtered, (0.7 micron glass fiber filter), recoverable, (82681) µg/L	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, (34699) µg/L	trans-Propicon-azole, water, filtered, recoverable, (79847) µg/L	Tribuphos, water, filtered, recoverable, (61610) µg/L	Trifluralin, water, filtered, (0.7 micron glass fiber filter), recoverable, (82661) µg/L	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, (77562) µg/L
07-28-2011	1200	< .04	< .02	< .01	< .016	< .14	< .01	< .018	< .018	< .04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, (34506) µg/L	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, (34516) µg/L	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, (77652) µg/L	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, (34511) µg/L	1,1-Di-chloro-ethane, water, unfiltered, recoverable, (34496) µg/L	1,1-Di-chloro-ethene, water, unfiltered, recoverable, (34501) µg/L	1,1-Di-chloro-propene, water, unfiltered, recoverable, (77168) µg/L	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, (49999) µg/L	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, (50000) µg/L
07-28-2011	1200	< .03	< .14	< .03	< .03	< .04	< .02	< .04	< .1	< .080

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, (77613) µg/L	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, (77221) µg/L	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, (34551) µg/L	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, (77222) µg/L	1,2-Dichloro-benzene, water, unfiltered, recoverable, (34536) µg/L	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, (77226) µg/L	1,3-Dichloro-benzene, water, unfiltered, recoverable, (34566) µg/L	2,2-Di-chloro-propane, water, unfiltered, recoverable, (77170) µg/L	2-Chloro-toluene, water, unfiltered, recoverable, (77275) µg/L
07-28-2011	1200	< .1	< .060	< .1	< .03	< .03	< .03	< .02	< .06	< .03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)	4-Chloro-toluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, µg/L (77356)	Acetone, water, unfiltered, recoverable, µg/L (81552)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromo-benzene, water, unfiltered, recoverable, µg/L (81555)	Bromo-chloro-methane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, µg/L (32101)	Bromo-ethene, water, unfiltered, recoverable, µg/L (50002)
07-28-2011	1200	< .03	< .04	< .06	< 3	< .03	< .02	< .06	< .03	< .1

WATER-QUALITY DATA
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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Chloro-benzene, water, unfiltered, recoverable, µg/L (34301)	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibromo-chloro-methane, water, unfiltered, recoverable, µg/L (32105)	Dibromo-methane, water, unfiltered, recoverable, µg/L (30217)	Dichloro-difluoro-methane, water, unfiltered, recoverable, µg/L (34668)	Dichloro-methane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)
07-28-2011	1200	< .03	< .1	< .140	< .02	< .1	< .05	< .10	< .04	< .1

WATER-QUALITY DATA
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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Diiso-propyl ether, water, unfiltered, recoverable, µg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)	Ethyl-benzene, water, unfiltered, recoverable, µg/L (34371)	Hexa-chloro-butadiene, water, unfiltered, recoverable, µg/L (39702)	Hexa-chloro-ethane, water, unfiltered, recoverable, µg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recoverable, µg/L (78133)	Isopropyl-benzene, water, unfiltered, recoverable, µg/L (77223)	Methyl acrylate, water, unfiltered, recoverable, µg/L (49991)
07-28-2011	1200	< .06	< .2	< 1.6	< .04	< .1	< .2	< .3	< .04	< .8

WATER-QUALITY DATA
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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	Methyl acrylonitrile, water, unfiltered, recoverable, µg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, µg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recoverable, µg/L (50005)	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-Butylbenzene, water, unfiltered, recoverable, µg/L (77342)	n-Propylbenzene, water, unfiltered, recoverable, µg/L (77224)
07-28-2011	1200	< .3	< .2	< .10	< .06	< .08	< .2	< .4	< .1	< .04

WATER-QUALITY DATA
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[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	sec-Butylbenzene, water, unfiltered, recoverable, µg/L (77350)	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)	Tetra-chloroethene, water, unfiltered, recoverable, µg/L (34475)	Tetra-chloromethane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)
07-28-2011	1200	< .03	< .03	< .04	< .03	< .06	< .03	< .06	< 1	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 25 of 25

[CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, 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; <, less than; M, presence verified but not quantified; U, analyzed for but not detected]

Date	Sample start time	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)	Trichloro-fluoro-methane, 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)
07-28-2011	1200	< .02	< .4	< .10	< .02	< .06	< .03	< .1	4.43