432650092170401 Local number 100-12-29 DBD

Cambrian-Ordovician aquifer system
Galena Formation

Howard County, IA

LOCATION.--Lat 43°26′48″, long 92°17′06″ referenced to North American Datum of 1927, in SE ¼ NW ¼ SE ¼ sec.29, T.100 N., R.12 W., Howard County, IA, Hydrologic Unit 07060002.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1992-1993, 1995, 1997, 1999, 2001-2006.

COOPERATION.--Samples were collected by the U.S. Geological Survey and analyzed by the University of Iowa State Hygienic Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 8
[Remark codes: <, less than.]

Date	Turbidity, water, unfltrd lab, NTU (82079)	pH, area weighted average std units (90400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Hardness, water, mg/L as CaCO3 (00900)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Jun 14...	6.5	7.6	480	250	1.60	4.10	220	2.6	27.0	44	<1	.20	.260

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 8
[Remark codes: <, less than.]

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, fltrd, mg/L (00607)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphate, water, unfltrd mg/L (00650)	Organic carbon, water, unfltrd mg/L (00680)	1,3-Dichloropropene water unfltrd ug/L (34561)	2,4,5-T water unfltrd ug/L (39740)	2,4-D water unfltrd ug/L (39730)	2,4-DB water unfltrd ug/L (30219)	CIAT, water, unfltrd ug/L (75981)	CEAT, water, unfltrd ug/L (75980)	Acetochlor, water, unfltrd ug/L (49259)	Acifluorfen, water unfltrd ug/L (79193)
Jun 14...	<.050	<.10	<.020	.050	.5	<.50	<.20	<1.00	<1.0	<.1	<.1	<.050	<.20

432650092170401 Local number 100-12-29 DBD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 3 of 8
[Remark codes: <, less than.]

Date	Alachlor, water, unfltrd ug/L (77825)	Ametryn water unfltrd ug/L (82184)	Atrazine, water, unfltrd ug/L (39630)	Bentazon, water, unfltrd ug/L (38710)	Bromacil, water, unfltrd ug/L (30234)	Bromomethane water unfltrd ug/L (30202)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Butachlor, water, unfltrd ug/L (30235)	Butylate, water, unfltrd ug/L (30236)	Carbaryl, water, unfltrd ug/L (39750)	Carbofuran, water, unfltrd ug/L (82615)	Chloramben, water, unfltrd ug/L (82051)	Chloromethane water unfltrd ug/L (30201)
Jun 14...	<.1	<.1	<.1	<1.0	<.1	<.50	<.20	<.1	<.1	<.05	<.05	<.50	<.50

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 4 of 8
[Remark codes: <, less than.]

Date	Clomazone, water, fltrd, ug/L (50344)	Cyanazine, water, unfltrd ug/L (81757)	DCPA, water, unfltrd ug/L (39770)	Dicamba water unfltrd ug/L (82052)	Dichlorprop, water, unfltrd ug/L (30190)	Dimethenamid water, fltrd, ug/L (61588)	Dinoseb water unfltrd ug/L (30191)	EPTC, water, unfltrd ug/L (81894)	Metolachlor, water, unfltrd ug/L (39356)	Metribuzin, water unfltrd ug/L (81408)	Pendimethalin, water unfltrd ug/L (79190)	Pentachlorophenol, water, unfltrd ug/L (39032)	Picloram water unfltrd ug/L (39720)
Jun 14...	<.050	<.1	<.20	<.50	<1.0	<.05	<.50	<.05	<.05	<.05	<.05	<.50	<.50

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 5 of 8
[Remark codes: <, less than.]

Date	Prometon, water, unfltrd ug/L (39056)	Propachlor, water, unfltrd ug/L (77729)	Propazine, water, unfltrd ug/L (39024)	Silvex, water, unfltrd ug/L (39760)	Simazine, water, unfltrd ug/L (39055)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Triclopyr, water, unfltrd ug/L (04092)	Trifluralin, water, unfltrd ug/L (39030)	Xylene, water, unfltrd ug/L (81551)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)
Jun 14...	<.1	<.05	<.1	<.20	<.1	<.050	<.20	<.1	<.50	<.50	<.50	<.50	<.50

432650092170401 Local number 100-12-29 DBD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 6 of 8
[Remark codes: <, less than.]

Date	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)
Jun 14...	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 7 of 8
[Remark codes: <, less than.]

Date	4-Chloro-toluene water unfltrd ug/L (77277)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Styrene water unfltrd ug/L (77128)
Jun 14...	<.50	<.50	<.5	<.50	<.50	<.50	<.5	<.50	<.50	<.50	<1	<.50	<.50

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 8 of 8
[Remark codes: <, less than.]

Date	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)
Jun 14...	<.5	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50	<.50