



Water-Data Report 2012

**311048085403201 Local number Ag & Industries 3**

Undefined Aquifer

Geneva County, AL

LOCATION.--Lat 31°10'48", long 85°40'32", Geneva County, AL, Hydrologic Unit 03140201.

**WATER-QUALITY RECORDS**

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[%, percent; CaCO<sub>3</sub>, calcium carbonate; NTRU, nephelometric turbidity ratio unit; 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]

Date	Sample start time	Temperature, water, °C (00010)	Barometric pressure, mm Hg (00025)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Caffeine, water, filtered, recoverable, µg/L (50305)	pH, water, unfiltered, field, standard units (00400)	Hydrogen ion, water, unfiltered, calculated, mg/L (00191)	Carbon dioxide, water, unfiltered, mg/L (00405)
09-21-2012	1010	21.7	764	338	4.4	50	< .08	7.0	0.00010	16

Date	Sample start time	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Bicarbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00453)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Sulfate, water, unfiltered, field, milligrams per liter (99127)	Sulfide, water, unfiltered, field, milligrams per liter (99119)	Nitrate, water, unfiltered, field, milligrams per liter as nitrogen (99124)	Iron(II), water, unfiltered, field, milligrams per liter (99128)
09-21-2012	1010	0.100	103	84	0.6	4	0.0	0.0	0.03

## 311048085403201 Local number Ag &amp; Industries 3—Continued

**PESTICIDE ANALYSES**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[µg/L, micrograms per liter; &lt;, less than]

Date	Terbutyl- azine, water, filtered, recover- able, µg/L (04022)	Hexa- zinone, water, filtered, recover- able, µg/L (04025)	Bromacil, water, filtered, recover- able, µg/L (04029)	Cycloate, water, filtered, recover- able, µg/L (04031)	Terbacil, water, filtered, recover- able, µg/L (04032)	Di- phenamid, water, filtered, recover- able, µg/L (04033)	Simazine, water, filtered, recover- able, µg/L (04035)	Prometryn, water, filtered, recover- able, µg/L (04036)	Prometon, water, filtered, recover- able, µg/L (04037)	2-Chloro-6- ethyl- amino-s- triazine, water, filtered, recover- able, µg/L (04038)
	09-21-2012	< .008	< .012	< .06	< .04	< .046	< .04	< .006	< .010	< .012

  

Date	2-Chloro-4- isopropyl- amino-6- amino-s- triazine, water, filtered, recover- able, µg/L (04040)	Cyanazine, water, filtered, recover- able, µg/L (04041)	Fonofos, water, filtered, recover- able, µg/L (04095)	Dicamba, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38442)	Linuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38478)	MCPA, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38482)	MCPB, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38487)	Methio- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38501)	Propoxur, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38538)	Siduron, water, filtered, recover- able, µg/L (38548)
	09-21-2012	< .006	< .022	< .0048	< .06	< .04	< .04	< .2	< .04	< .06

  

Date	Bentazon, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38711)	2,4-DB, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38746)	Fluome- turon, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38811)	Oxamyl, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38866)	Chlor- pyrifos, water, filtered, recover- able, µg/L (38933)	Dieldrin, water, filtered, recover- able, µg/L (39381)	Metola- chlor, water, filtered, recover- able, µg/L (39415)	Malathion, water, filtered, recover- able, µg/L (39532)	Diazinon, water, filtered, recover- able, µg/L (39572)	Atrazine, water, filtered, recover- able, µg/L (39632)
	09-21-2012	< .06	< .02	< .04	< .12	< .0036	< .008	< .020	< .016	< .0060

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**PESTICIDE ANALYSES**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[µg/L, micrograms per liter; <, less than]

Date	2,4-D,	Alachlor,	Triclopyr,	Propham,	Aceto-	Picloram,	Oryzalin,	Nor-	Neburon,	Methomyl,
	water, filtered, recover- able, µg/L (39732)	water, filtered, recover- able, µg/L (46342)	(0.7 micron glass fiber filter), recover- able, µg/L (49235)	(0.7 micron glass fiber filter), recover- able, µg/L (49236)	chlor, water, filtered, recover- able, µg/L (49260)	(0.7 micron glass fiber filter), recover- able, µg/L (49291)	(0.7 micron glass fiber filter), recover- able, µg/L (49292)	(0.7 micron glass fiber filter), recover- able, µg/L (49293)	(0.7 micron glass fiber filter), recover- able, µg/L (49294)	(0.7 micron glass fiber filter), recover- able, µg/L (49296)
09-21-2012	< .06	< .008	< .08	< .040	< .010	< .10	< .04	< .04	< .02	< .12

Date	Fenuron,	Diuron,	Dinoseb,	Dichlor-	Dacthal	Clopyralid,	3-Hydroxy	Carbo-	Carbaryl,	Brom-
	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49297)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49300)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49301)	prop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49302)	monoacid, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49304)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49305)	carbo- furan, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49308)	Carbo- furan, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49309)	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49310)	oxynil, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49311)
09-21-2012	< .06	< .04	< .04	< .04	< .04	< .14	< .06	< .04	< .04	< .12

Date	Aldicarb,	Aldicarb	Aldicarb	Acifluor-	Bendio-	Benomyl,	Chlori-	Sulfo-	2-Hydroxy-	Imazaquin,
	water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49312)	sulfone, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49313)	sulfoxide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49314)	fen, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49315)	carb, water, filtered, recover- able, µg/L (50299)	water, filtered, recover- able, µg/L (50300)	muron- ethyl, water, filtered, recover- able, µg/L (50306)	meturon- methyl, water, filtered, recover- able, µg/L (50337)	4-iso- propyl- amino-6- ethyl- amino-s- triazine, water, filtered, recover- able, µg/L (50355)	water, filtered, recover- able, µg/L (50356)
09-21-2012	< .12	< .08	< .08	< .08	< .04	< .06	< .08	< .06	< .06	< .10

## 311048085403201 Local number Ag &amp; Industries 3—Continued

**PESTICIDE ANALYSES**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[µg/L, micrograms per liter; <, less than]

Date	Metalaxyl, water, filtered, recover- able, µg/L (50359)	Nico- sulfuron, water, filtered, recover- able, µg/L (50364)	Imaze- thapyr, water, filtered, recover- able, µg/L (50407)	2,4-D methyl ester, water, filtered, recover- able, µg/L (50470)	2,4-D plus 2,4-D methyl ester, sum on a molar basis, microgram s per liter as 2,4-D (66496)	Propicon- azole, water, filtered, recover- able, µg/L (50471)	Chlor- amben methyl ester, water, filtered, recover- able, µg/L (61188)	N-(4- Chloro- phenyl)- N'-methyl- urea, water, filtered, recover- able, µg/L (61692)	Ben- sulfuron- methyl, water, filtered, recover- able, µg/L (61693)	Flumet- sulam, water, filtered, recover- able, µg/L (61694)
	09-21-2012	< .04	< .32	< .08	< .2	< .06	< .038	< .20	< .10	< .06

Date	Imi- dacloprid, water, filtered, recover- able, µg/L (61695)	Metsul- furon- methyl, water, filtered, recover- able, µg/L (61697)	Metri- buzin, water, filtered, recover- able, µg/L (82630)	2,6- Diethyl- aniline, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82660)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)	Phorate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82667)	EPTC, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82668)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)	Molinate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82671)
	09-21-2012	< .08	< .14	< .012	< .0060	< .018	< .020	< .008	< .0056	< .028

Date	Ethoprop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82672)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82673)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82675)	Propyz- amide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82676)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82677)	Propanil, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82679)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82680)	Thioben- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82681)
	09-21-2012	< .016	< .014	< .060	< .018	< .0036	< .040	< .010	< .06

## 311048085403201 Local number Ag &amp; Industries 3—Continued

**PESTICIDE ANALYSES**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[µg/L, micrograms per liter; &lt;, less than]

Date	DCPA, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82682)	Pendi- methalin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82683)	Propargite, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82685)	Azinphos- methyl, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82686)	cis- Permeth- rin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82687)	1- Naphthol, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49295)	2-Chloro- 2',6'- diethyl- acetanil- ide, water, filtered, recover- able, µg/L (61618)	2-Ethyl-6- methyl- aniline, water, filtered, recover- able, µg/L (61620)	3,4- Dichloro- aniline, water, filtered, recover- able, µg/L (61625)	3,5-Di- chloro- aniline, water, filtered, recover- able, µg/L (61627)
09-21-2012	<.0076	<.012	<.020	<.12	<.010	<.036	<.010	<.010	<.006	<.006

Date	4-Chloro-2- methyl- phenol, water, filtered, recover- able, µg/L (61633)	alpha- Endo- sulfan, water, filtered, recover- able, µg/L (34362)	Azinphos- methyl oxygen analog, water, filtered, recover- able, µg/L (61635)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	cis- Propicon- azole, water, filtered, recover- able, µg/L (79846)	Cyfluthrin, water, filtered, recover- able, µg/L (61585)	lambda- Cyhalo- thrin, water, filtered, recover- able, µg/L (61595)	Cyper- methrin, water, filtered, recover- able, µg/L (61586)	Desulfinyl- fipronil, water, filtered, recover- able, µg/L (62170)	Dicroto- phos, water, filtered, recover- able, µg/L (38454)
09-21-2012	<.008	<.006	<.042	<.08	<.008	<.016	<.010	<.020	<.012	<.08

Date	Dimetho- ate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82662)	Disulfoton sulfone, water, filtered, recover- able, µg/L (61640)	Endosulfan sulfate, water, filtered, recover- able, µg/L (61590)	Ethion monoxon, water, filtered, recover- able, µg/L (61644)	Ethion, water, filtered, recover- able, µg/L (82346)	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)	Desulfinyl- fipronil amide, water, filtered, recover- able, µg/L (62169)	Fipronil sulfide, water, filtered, recover- able, µg/L (62167)
09-21-2012	<.010	<.014	<.016	<.021	<.010	<.054	<.08	<.030	<.029	<.012

## 311048085403201 Local number Ag &amp; Industries 3—Continued

**PESTICIDE ANALYSES**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[µg/L, micrograms per liter; &lt;, less than]

Date	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofen-phos, water, filtered, recoverable, µg/L (61594)	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)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)
09-21-2012	< .024	< .018	< .014	< .008	< .022	< .014	< .012	< .014	< .010	< .010

Date	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)	Phosmet, water, filtered, recoverable, µg/L (61601)	Tefluthrin, water, filtered, recoverable, µg/L (61606)	Terbufos oxygen analog sulfone, water, filtered, recoverable, µg/L (61674)	trans-Propiconazole, water, filtered, recoverable, µg/L (79847)	Tribuphos, water, filtered, recoverable, µg/L (61610)	Dichlorvos, water, filtered, recoverable, µg/L (38775)
09-21-2012	< .027	< .0511	< .08	< .014	< .045	< .018	< .018	< .04