

354954078421301 Local number WK-349, Piedmont Major Aquifer Study Site 12, at Raleigh, NC

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Wake County, NC

LOCATION.--Lat 35°49'53.6", long 78°42'13.0" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, Laurel Hills Road, in Raleigh.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 185 ft. Upper casing diameter 6 in; top of first opening 100 ft, bottom of last opening 185 ft.

PERIOD OF RECORD.--December 2007.

REMARKS.--Well is part of the National Water Quality Assessment Program (NAWQA).

WATER-QUALITY DATA

WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 19

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Time	Sample medium and type	Depth to water level, feet below LSD (72019)	Water level, depth below MP, feet (61055)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)
Dec									
17...	1150	Ground water, replicate	58.73	59.70	756	4.1	42	6.1	148
17...	1151	QC - Artificial, blank	--	--	--	--	--	--	--
17...	1152	QC - Ground water, spike	--	--	--	--	--	--	--
17...	1153	QC - Ground water, replicate	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 19

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Temperature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water flt inf tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, water flt inf tit, field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)
Dec													
17...	16.0	60	18.5	3.31	2.56	7.99	63	76	E.01	2.62	E.09	30.5	3.14
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 19

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Residue on evap. at 180degC water flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, water flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Colipge F-spec, FAMP, 2-step, pres or absence /L (99335)	Colipge som, Ec CN13hst 2-step, pres or absence /L (99332)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, μg/L (01106)	Antimony, water, fltrd, μg/L (01095)
Dec													
17...	114	<.020	.16	<.002	.18	.066	E.3	U	U	<1	<1	<1.6	<.14
17...	--	--	--	--	--	--	--	--	--	--	--	<1.6	<.14
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	<1	<1	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Hydro- gen sulfide water, unfltrd mg/L (71875)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Lithium water, fltrd, µg/L (01130)	Mangan- ese, water, fltrd, µg/L (01056)
Dec													
17...	.40	18	E.01	<6	E.02	.14	<.02	2.1	U	<8	.15	3.4	1.2
17...	<.06	<.4	<.01	V22	<.04	<.12	<.02	<1.0	--	--	<.08	<1.0	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 19

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Selen- ium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Stront- ium, water, fltrd, µg/L (01080)	Thall- ium, water, fltrd, µg/L (01057)	Vana- dium, water, fltrd, µg/L (01085)	Zinc, water, fltrd, µg/L (01090)	1-Naph- thol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di- ethyl- aniline water, fltrd 0.7u GF µg/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, µg/L (61620)
Dec													
17...	3.6	E.12	E.04	<.1	54.2	<.04	.87	98.0	<.04	<.006	<.010	<.014	<.010
17...	<.2	E.10	<.04	<.1	<.80	<.04	<.04	<1.8	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	3,4-Di-chloro-aniline water, fltrd, µg/L (61625)	3,5-Di-chloro-aniline water, fltrd, µg/L (61627)	4-Chloro-2methyl phenol, water, fltrd, µg/L (61633)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	alpha-Endo-sulfan, water, fltrd, µg/L (34362)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl oxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Carbo-furan, water, fltrd 0.7u GF µg/L (82674)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)
Dec													
17...	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.04	<.120	<.004	<.060	<.020	<.06
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	cis-Propi-cona-zole, water, fltrd, µg/L (79846)	Cyana-zine, water, fltrd, µg/L (04041)	Cyflu-thrin, water, fltrd, µg/L (61585)	lambda-Cyhalo-thrin, water, fltrd, µg/L (61595)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)
Dec													
17...	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08	<.009	<.006
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Disulf- oton sulfone water, fltrd, µg/L (61640)	Disul- foton, water, fltrd 0.7u GF µg/L (82677)	Endo- sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho- prop, water, fltrd 0.7u GF µg/L (82672)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos sulf- oxide, water, fltrd, µg/L (61646)	Fenami- phos, water, fltrd, µg/L (61591)	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)
Dec													
17...	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03	<.029	<.013	<.024
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Fipro- nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa- zinone, water, fltrd, µg/L (04025)	Ipro- dione, water, fltrd, µg/L (61593)	Isofen- phos, water, fltrd, µg/L (61594)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methid- athion, water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)
Dec													
17...	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Molin- ate, water, fltrd 0.7u GF μg/L (82671)	Myclo- butanil water, fltrd, μg/L (61599)	Oxy- fluor- fen, water, fltrd, μg/L (61600)	Pendi- meth- alin, water, fltrd 0.7u GF μg/L (82683)	Phorate oxon, water, fltrd, μg/L (61666)	Phorate water, fltrd 0.7u GF μg/L (82664)	Phosmet oxon, water, fltrd, μg/L (61668)	Phosmet water, fltrd, μg/L (61601)	Prome- ton, water, fltrd, μg/L (04037)	Prome- tryn, water, fltrd, μg/L (04036)	Propy- zamide, water, fltrd 0.7u GF μg/L (82676)	Pro- panil, water, fltrd 0.7u GF μg/L (82679)	Propar- gite, water, fltrd 0.7u GF μg/L (82685)
Dec													
17...	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	<.01	<.006	<.004	<.006	<.04
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Sima- zine, water, fltrd, μg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF μg/L (82670)	Teflu- thrin, water, fltrd, μg/L (61606)	Ter- bufos oxon sulfone water, fltrd, μg/L (61674)	Terbu- fos, water, fltrd 0.7u GF μg/L (82675)	Ter- buthyl- azine, water, fltrd, μg/L (04022)	Thio- bencarb water, fltrd 0.7u GF μg/L (82681)	trans- Propi- cona- zole, water, fltrd, μg/L (79847)	Tribu- phos, water, fltrd, μg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF μg/L (82661)	1,1,1,2 -Tetra- chloro- ethane, water, unfltrd μg/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd μg/L (34506)	1,1,2,2 -Tetra- chloro- ethane, water, unfltrd μg/L (34516)
Dec													
17...	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.006	<.04	<.02	<.10
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	.41	.46	1.30
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	CFC-113 water, unfltrd µg/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd µg/L (34511)	1,1-Di- chloro- ethane, water, unfltrd µg/L (34496)	1,1-Di- chloro- ethene, water, unfltrd µg/L (34501)	1,1-Di- chloro- propene water, unfltrd µg/L (77168)	1,2,3,4- Tetra- methyl- benzene water, unfltrd µg/L (49999)	1,2,3,5- Tetra- methyl- benzene water, unfltrd µg/L (50000)	1,2,3- Tri- chloro- benzene water, unfltrd µg/L (77613)	1,2,3- Tri- chloro- propane water, unfltrd µg/L (77443)	1,2,3- Tri- methyl- benzene water, unfltrd µg/L (77221)	1,2,4- Tri- chloro- benzene water, unfltrd µg/L (34551)	1,2,4- Tri- methyl- benzene water, unfltrd µg/L (77222)	Dibromo chloro- propane water, unfltrd µg/L (82625)
Dec													
17...	<.04	<.06	<.04	<.02	<.04	<.1	<.1	<.1	<.12	<.1	<.1	<.05	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.37	.41	.89	.43	.82	1.3	1.4	1.2	1.27	1.0	1.1	.47	4.3
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	1,2-Di- bromo- ethane, water, unfltrd µg/L (77651)	1,2-Di- chloro- benzene water, unfltrd µg/L (34536)	1,2-Di- chloro- ethane, water, unfltrd µg/L (32103)	1,2-Di- chloro- propane water, unfltrd µg/L (34541)	1,3,5- Tri- methyl- benzene water, unfltrd µg/L (77226)	1,3-Di- chloro- benzene water, unfltrd µg/L (34566)	1,3-Di- chloro- propane water, unfltrd µg/L (77173)	1,4-Di- chloro- benzene water, unfltrd µg/L (34571)	2,2-Di- chloro- propane water, unfltrd µg/L (77170)	2- Chloro- toluene water, unfltrd µg/L (77275)	2- Ethyl- toluene water, unfltrd µg/L (77220)	3- Chloro- propene water, unfltrd µg/L (78109)	4- Chloro- toluene water, unfltrd µg/L (77277)
Dec													
17...	<.04	<.02	<.1	<.02	<.04	<.04	<.1	<.02	<.06	<.04	<.04	<.08	<.04
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.49	.44	1.4	.43	.43	.42	1.4	.43	.62	.43	.41	E1.87	.44
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	4-Iso-propyl-toluene water, unfltrd µg/L (77356)	Acetone water, unfltrd µg/L (81552)	Acrylo-nitrile water, unfltrd µg/L (34215)	Benzene water, unfltrd µg/L (34030)	Bromo-benzene water, unfltrd µg/L (81555)	Bromo-chloro-methane water, unfltrd µg/L (77297)	Bromo-di-chloro-methane water, unfltrd µg/L (32101)	Bromo-ethene, water, unfltrd µg/L (50002)	Tri-bromo-methane water, unfltrd µg/L (32104)	Bromo-methane water, unfltrd µg/L (34413)	Carbon di-sulfide water, unfltrd µg/L (77041)	Chloro-benzene water, unfltrd µg/L (34301)	Chloro-ethane, water, unfltrd µg/L (34311)
Dec													
17...	<.08	<4	<.4	<.02	<.02	<.06	<.04	<.1	<.08	<.4	<.06	<.02	<.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.80	65	12	.47	.42	.90	.45	1.9	.92	E2.3	.65	.43	.9
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Chloro-methane water, unfltrd µg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd µg/L (77093)	cis-1,3-Di-chloro-propene water, unfltrd µg/L (34704)	Di-bromo-chloro-methane water, unfltrd µg/L (32105)	Di-bromo-methane water, unfltrd µg/L (30217)	Di-chloro-di-fluoro-methane wat unf µg/L (34668)	Di-chloro-methane water, unfltrd µg/L (34423)	Di-ethyl ether, water, unfltrd µg/L (81576)	Diiso-propyl ether, water, unfltrd µg/L (81577)	Ethyl methac-rylate, water, unfltrd µg/L (73570)	Ethyl methyl ketone, water, unfltrd µg/L (81595)	Ethyl-benzene water, unfltrd µg/L (34371)	Hexa-chloro-buta-diene, water, unfltrd µg/L (39702)
Dec													
17...	<.1	<.02	<.10	<.1	<.04	<.14	<.04	<.1	<.06	<.1	<1.6	<.04	<.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	E1.3	.45	.72	1.8	.46	E1.05	.4	1.9	.84	2.5	41.2	.41	1.0
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Hexa- chloro- ethane, water, unfiltrd µg/L (34396)	Iodo- methane water, unfiltrd µg/L (77424)	Iso- butyl methyl ketone, water, unfiltrd µg/L (78133)	Iso- propyl- benzene water, unfiltrd µg/L (77223)	Methyl acrylo- nitrile water, unfiltrd µg/L (81593)	Methyl acryl- ate, water, unfiltrd µg/L (49991)	Methyl methac- rylate, water, unfiltrd µg/L (81597)	Methyl tert- pentyl ether, water, unfiltrd µg/L (50005)	meta- + para- Xylene, water, unfiltrd µg/L (85795)	Naphth- alene, water, unfiltrd µg/L (34696)	Methyl n-butyl ketone, water, unfiltrd µg/L (77103)	n-Butyl benzene water, unfiltrd µg/L (77342)	n- Propyl- benzene water, unfiltrd µg/L (77224)
Dec													
17...	<.1	<.40	<.4	<.04	<.2	<.6	<.2	<.06	<.08	<.2	<.6	<.1	<.04
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	1.8	E3.70	4.5	.41	5.0	15.1	3.1	.91	.90	3.1	7.4	1.5	.39
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	o- Xylene, water, unfiltrd µg/L (77135)	sec- Butyl- benzene water, unfiltrd µg/L (77350)	Styrene water, unfiltrd µg/L (77128)	t-Butyl ethyl ether, water, unfiltrd µg/L (50004)	Methyl t-butyl ether, water, unfiltrd µg/L (78032)	tert- Butyl- benzene water, unfiltrd µg/L (77353)	Tetra- chloro- ethene, water, unfiltrd µg/L (34475)	Tetra- chloro- methane water, unfiltrd µg/L (32102)	Tetra- hydro- furan, water, unfiltrd µg/L (81607)	Toluene water, unfiltrd µg/L (34010)	trans- 1,2-Di- chloro- ethene, water, unfiltrd µg/L (34546)	trans- 1,3-Di- chloro- propene water, unfiltrd µg/L (34699)	trans- 1,4-Di- chloro- 2- butene, wat unf µg/L (73547)
Dec													
17...	<.04	<.04	<.04	<.04	E.1	<.06	E.02	<.08	<1	<.02	<.02	<.10	<.6
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.40	.42	.39	.44	1.8	.93	.45	.89	18	.44	.45	1.23	6.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

354954078421301 Local number WK-349, Piedmont Major Aquifer Study Site 12, at Raleigh, NC—Continued

WATER-QUALITY DATA
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[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Tri-chloro-ethene, water, unfltrd µg/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd µg/L (34488)	Tri-chloro-methane, water, unfltrd µg/L (32106)	Vinyl chloride, water, unfltrd µg/L (39175)	Di-chloro-vos, water, fltrd, µg/L (38775)	Gross alpha 30 day recount, wat unf, Th-230, pCi/L (63016)	Gross alpha radioac 72 hr, wat unf, Th-230, pCi/L (63014)	Gross beta 30 day recount, wat unf, Cs-137, pCi/L (63017)	Gross beta radioac 72 hr, wat unf, Cs-137, pCi/L (63015)	Ra-226, water, fltrd, radon method, pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Rn-222 2-sigma, water, unfltrd, pCi/L (76002)	Rn-222, water, unfltrd, pCi/L (82303)
Dec													
17...	<.02	<.08	.27	<.1	<.01	R.1	2.7	3.6	2.0	.020	R.16	40	1,870
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.43	.86	.68	.9	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO
SEPTEMBER 2008

Part 19 of 19

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc; U, analyzed for but not detected; V, value affected by contamination.]

Date	Uranium natural water, fltrd, µg/L (22703)	Data base number	Medium code
Dec			
17...	2.44	01	WG
17...	<.02	04	OAQ
17...	--	04	WGQ
17...	--	04	WGQ