



Water-Data Report 2010

355359080331701 Local number DV-025 (NC-142), NEAR MOCKSVILLE, NC (REGOLITH)

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Davie County, NC

LOCATION.--Lat 35°53'59", long 80°33'16" referenced to North American Datum of 1983, Davie County, NC, Hydrologic Unit 03040102, 0.5 mi northeast of Mocksville on U.S. Highway 158 at B.C. Brocks Community Center. Owner: U.S. Geological Survey

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, drilled to 30.8 ft, diameter 6 in., cased to 30.8 ft, open end, backfilled with gravel from 20 to 30.8 ft.

DATUM.--Land-surface datum is 835 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of casing, 1.00 ft above land-surface datum, October 1981 to present.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

REMARKS.--In October 1982, well replaced nearby NC-110. Well is part of terrane-effects network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.64 ft below land-surface datum, March 28, 1993; lowest water level recorded, 23.22 ft below land-surface datum, August 23, 24, 25, 26, 2002.

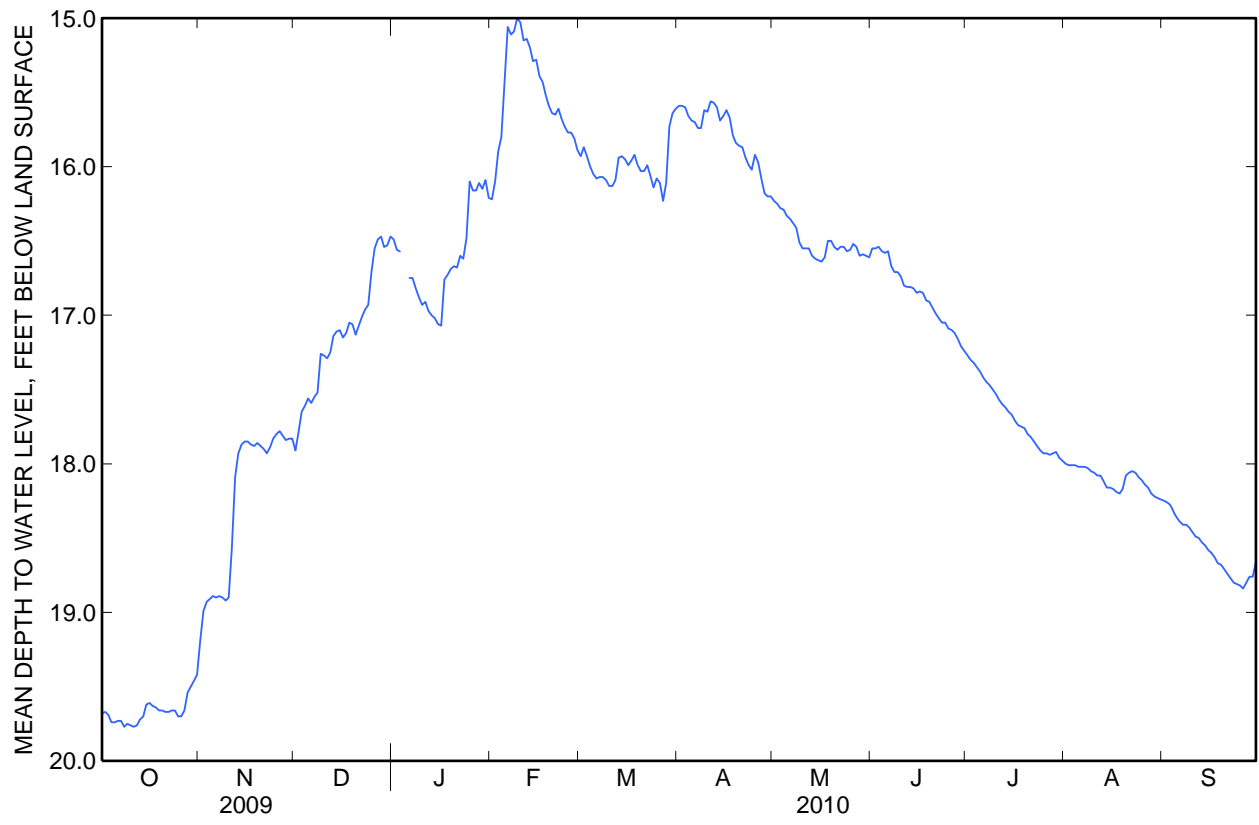
355359080331701 Local number DV-025 (NC-142), NEAR MOCKSVILLE, NC (REGOLITH)—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

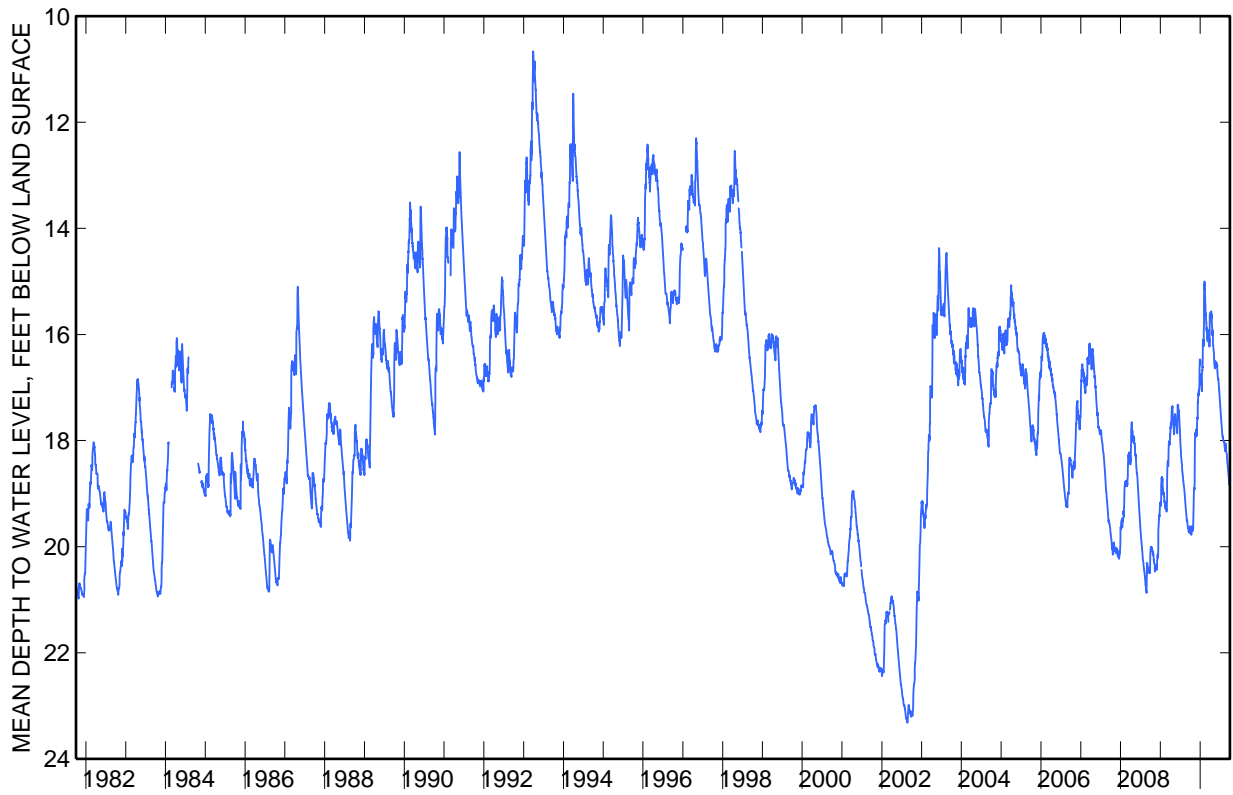
| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 19.68 | 19.19 | 17.91 | 16.49 | 16.22 | 15.93 | 15.59 | 16.23 | 16.55 | 17.27 | 18.00 | 18.25 |
| 2 | 19.67 | 18.99 | 17.79 | 16.56 | 16.10 | 15.87 | 15.59 | 16.25 | 16.55 | 17.30 | 18.01 | 18.26 |
| 3 | 19.69 | 18.93 | 17.65 | 16.57 | 15.90 | 15.93 | 15.60 | 16.28 | 16.54 | 17.32 | 18.01 | 18.28 |
| 4 | 19.74 | 18.91 | 17.61 | --- | 15.80 | 16.00 | 15.66 | 16.29 | 16.57 | 17.35 | 18.01 | 18.32 |
| 5 | 19.74 | 18.89 | 17.56 | --- | 15.43 | 16.05 | 15.69 | 16.33 | 16.58 | 17.38 | 18.02 | 18.36 |
| 6 | 19.73 | 18.90 | 17.59 | 16.75 | 15.06 | 16.08 | 15.70 | 16.35 | 16.57 | 17.42 | 18.02 | 18.39 |
| 7 | 19.73 | 18.89 | 17.55 | 16.75 | 15.11 | 16.07 | 15.74 | 16.38 | 16.67 | 17.45 | 18.02 | 18.41 |
| 8 | 19.77 | 18.90 | 17.52 | 16.82 | 15.09 | 16.07 | 15.74 | 16.41 | 16.71 | 17.47 | 18.03 | 18.41 |
| 9 | 19.75 | 18.92 | 17.26 | 16.88 | 15.00 | 16.09 | 15.62 | 16.51 | 16.71 | 17.50 | 18.05 | 18.43 |
| 10 | 19.76 | 18.90 | 17.27 | 16.93 | 15.03 | 16.13 | 15.63 | 16.55 | 16.74 | 17.53 | 18.06 | 18.46 |
| 11 | 19.77 | 18.56 | 17.29 | 16.91 | 15.15 | 16.13 | 15.56 | 16.55 | 16.80 | 17.57 | 18.08 | 18.49 |
| 12 | 19.76 | 18.09 | 17.25 | 16.97 | 15.14 | 16.09 | 15.57 | 16.55 | 16.81 | 17.60 | 18.08 | 18.50 |
| 13 | 19.72 | 17.93 | 17.14 | 17.00 | 15.20 | 15.94 | 15.60 | 16.60 | 16.81 | 17.62 | 18.12 | 18.53 |
| 14 | 19.70 | 17.87 | 17.11 | 17.02 | 15.29 | 15.93 | 15.69 | 16.62 | 16.82 | 17.65 | 18.16 | 18.55 |
| 15 | 19.62 | 17.85 | 17.10 | 17.06 | 15.28 | 15.95 | 15.66 | 16.63 | 16.85 | 17.67 | 18.16 | 18.58 |
| 16 | 19.61 | 17.85 | 17.15 | 17.07 | 15.39 | 15.99 | 15.62 | 16.64 | 16.84 | 17.71 | 18.17 | 18.60 |
| 17 | 19.63 | 17.87 | 17.12 | 16.76 | 15.43 | 15.96 | 15.67 | 16.61 | 16.85 | 17.74 | 18.19 | 18.63 |
| 18 | 19.64 | 17.88 | 17.05 | 16.73 | 15.52 | 15.92 | 15.79 | 16.50 | 16.90 | 17.75 | 18.20 | 18.67 |
| 19 | 19.66 | 17.86 | 17.06 | 16.69 | 15.59 | 15.99 | 15.84 | 16.50 | 16.91 | 17.76 | 18.17 | 18.68 |
| 20 | 19.66 | 17.88 | 17.13 | 16.67 | 15.64 | 16.03 | 15.86 | 16.54 | 16.95 | 17.80 | 18.08 | 18.71 |
| 21 | 19.67 | 17.90 | 17.07 | 16.68 | 15.65 | 16.03 | 15.87 | 16.56 | 16.99 | 17.82 | 18.06 | 18.74 |
| 22 | 19.67 | 17.93 | 17.01 | 16.60 | 15.61 | 15.99 | 15.94 | 16.54 | 17.02 | 17.85 | 18.05 | 18.77 |
| 23 | 19.66 | 17.89 | 16.96 | 16.62 | 15.68 | 16.06 | 15.99 | 16.54 | 17.05 | 17.88 | 18.06 | 18.80 |
| 24 | 19.66 | 17.83 | 16.93 | 16.48 | 15.73 | 16.14 | 16.02 | 16.57 | 17.05 | 17.91 | 18.09 | 18.81 |
| 25 | 19.70 | 17.80 | 16.71 | 16.10 | 15.77 | 16.08 | 15.92 | 16.56 | 17.09 | 17.93 | 18.11 | 18.82 |
| 26 | 19.70 | 17.78 | 16.55 | 16.16 | 15.77 | 16.11 | 15.97 | 16.52 | 17.10 | 17.93 | 18.14 | 18.84 |
| 27 | 19.66 | 17.81 | 16.49 | 16.16 | 15.81 | 16.23 | 16.08 | 16.54 | 17.12 | 17.94 | 18.16 | 18.80 |
| 28 | 19.54 | 17.84 | 16.47 | 16.11 | 15.89 | 16.11 | 16.18 | 16.60 | 17.16 | 17.93 | 18.20 | 18.76 |
| 29 | 19.50 | 17.83 | 16.54 | 16.15 | --- | 15.73 | 16.20 | 16.59 | 17.21 | 17.92 | 18.22 | 18.76 |
| 30 | 19.46 | 17.83 | 16.53 | 16.09 | --- | 15.64 | 16.20 | 16.60 | 17.24 | 17.96 | 18.23 | 18.66 |
| 31 | 19.42 | --- | 16.47 | 16.21 | --- | 15.61 | --- | 16.61 | --- | 17.98 | 18.24 | --- |
| Mean | 19.67 | 18.25 | 17.12 | 16.62 | 15.51 | 16.00 | 15.79 | 16.50 | 16.86 | 17.67 | 18.10 | 18.58 |
| Max | 19.77 | 19.19 | 17.91 | 17.07 | 16.22 | 16.23 | 16.20 | 16.64 | 17.24 | 17.98 | 18.24 | 18.84 |
| Min | 19.42 | 17.78 | 16.47 | 16.09 | 15.00 | 15.61 | 15.56 | 16.23 | 16.54 | 17.27 | 18.00 | 18.25 |

| Water Year 2010 | |
|-----------------|-------|
| Mean | 17.24 |
| High | 15.00 |
| Low | 19.77 |

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355359080331701 Local number DV-025 (NC-142), NEAR MOCKSVILLE, NC (REGOLITH)—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 2010.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Sample start time | Medium name | Sample type | Barometric pressure, mm Hg (00025) | Temperature, air, °C (00020) | Depth to water level, ft below land surface (72019) | Dissolved oxygen, water, unfiltered, mg/L (00300) | pH, water, unfiltered, laboratory, standard units (00403) | Specific conductance, water, unfiltered, μS/cm at 25 °C (00095) | Temperature, water, °C (00010) |
|------------|-------------------|--------------|-------------|------------------------------------|------------------------------|---|---|---|---|--------------------------------|
| 01-04-2010 | 1320 | Ground water | Regular | 743 | 1.5 | 16.62 | 4.9 | 6.3 | 157 | 17.3 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Dissolved solids dried at 180 °C, water, filtered, mg/L (70300) | Calcium, water, filtered, mg/L (00915) | Magnesium, water, filtered, mg/L (00925) | Potassium, water, filtered, mg/L (00935) | Sodium, water, filtered, mg/L (00930) | ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO ₃ (90410) | Bromide, water, filtered, mg/L (71870) | Chloride, water, filtered, mg/L (00940) | Fluoride, water, filtered, mg/L (00950) | Hydrogen sulfide, water, unfiltered, mg/L (71875) |
|------------|---|--|--|--|---------------------------------------|--|--|---|---|---|
| 01-04-2010 | 103 | 13.9 | 2.65 | 2.29 | 8.71 | 31 | .06 | 16.2 | < .08 | U |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | 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) | Aluminum, water, filtered, μg/L (01106) | Aluminum, water, unfiltered, recoverable, μg/L (01105) |
|------------|---|--|---|--|---|--|--|---|--|
| 01-04-2010 | 19.8 | 10.8 | < .020 | 2.38 | < .002 | .016 | 2.33 | 3.5 | 11,700 |

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Cadmium, water, filtered, μg/L (01025) | Cadmium, water, unfiltered, μg/L (01027) | Chromium, water, filtered, μg/L (01030) | Chromium, water, unfiltered, recover able, μg/L (01034) | Copper, water, filtered, μg/L (01040) | Copper, water, unfiltered, recover able, μg/L (01042) | Iron, water, filtered, μg/L (01046) | Lead, water, filtered, μg/L (01049) | Lead, water, unfiltered, recover able, μg/L (01051) | Manga nese, water, filtered, μg/L (01056) |
|------------|--|--|---|---|---|---|---|---|---|--|
| 01-04-2010 | < .02 | E .04 | .42 | 10.0 | E .69 | 60.5 | < 6 | .04 | 25.2 | 2.6 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Mangan e, water, unfiltered, recover able, μg/L (01055) | Nickel, water, filtered, μg/L (01065) | Nickel, water, unfiltered, recover able, μg/L (01067) | Zinc, water, filtered, μg/L (01090) | Zinc, water, unfiltered, recover able, μg/L (01092) | Arsenic, water, filtered, μg/L (01000) | Arsenic, water, unfiltered, μg/L (01002) | Boron, water, filtered, μg/L (01020) | Selenium, water, filtered, μg/L (01145) | Selenium, water, unfiltered, μg/L (01147) |
|------------|--|---|---|---|---|--|--|--|---|---|
| 01-04-2010 | 380 | 1.4 | 6.7 | 3.8 | 43.5 | .07 | 1.2 | 11 | .29 | .42 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 6 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | 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) | 1,2- Dibromo ethane, water, unfiltered, recover able, μg/L (77651) | 1,2-Di chloro ethane, water, unfiltered, recover able, μg/L (32103) | 1,2- Dichloro propane, water, unfiltered, recover able, μg/L (34541) | 1,3-Di chloro propane, water, unfiltered, recover able, μg/L (77173) | 1,4- Dichloro benzene, water, unfiltered, recover able, μg/L (34571) | 3-Chloro propene, water, unfiltered, recover able, μg/L (78109) | Acrylo nitrile, water, unfiltered, recover able, μg/L (34215) | Bromo methane, water, unfiltered, recover able, μg/L (34413) |
|------------|---|--|--|---|--|--|--|--|--|---|
| 01-04-2010 | < .12 | < .3 | < .05 | < .1 | < .03 | < .1 | < .03 | < .08 | < 0.8 | < .2 |

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Carbon disulfide, water, unfiltered, recoverable, μg/L (77041) | cis-1,3-Di chloro propene, water, unfiltered, recoverable, μg/L (34704) | Iodo methane, water, unfiltered, recoverable, μg/L (77424) | trans-1,3-Di chloro propene, water, unfiltered, recoverable, μg/L (34699) | 1,1,1,2-Tetra chloro ethane, water, unfiltered, recoverable, μg/L (77562) | 1,1,1-Tri chloro ethane, water, unfiltered, recoverable, μg/L (34506) | 1,1,2,2-Tetra chloro ethane, water, unfiltered, recoverable, μg/L (34516) | 1,1,2-Tri chloro-1,2,2-trifluoro ethane, water, unfiltered, recoverable, μg/L (77652) | 1,1,2-Tri chloro ethane, water, unfiltered, recoverable, μg/L (34511) | 1,1-Di chloro ethane, water, unfiltered, recoverable, μg/L (34496) |
|------------|--|---|--|---|---|---|---|---|---|--|
| 01-04-2010 | < .04 | < .10 | < .26 | < .14 | < .04 | < .03 | < .14 | < .03 | < .05 | < .04 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 8 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | 1,1-Di chloro ethene, water, unfiltered, recoverable, μg/L (34501) | 1,1-Di chloro propene, water, unfiltered, recoverable, μg/L (77168) | 1,2,3,4-Tetra methyl benzene, water, unfiltered, recoverable, μg/L (49999) | 1,2,3,5-Tetra methyl benzene, water, unfiltered, recoverable, μg/L (50000) | 1,2,3-Tri chloro benzene, water, unfiltered, recoverable, μg/L (77613) | 1,2,3-Tri methyl benzene, water, unfiltered, recoverable, μg/L (77221) | 1,2,4-Tri chloro benzene, water, unfiltered, recoverable, μg/L (34551) | 1,2,4-Tri methyl benzene, water, unfiltered, recoverable, μg/L (77222) | 1,2-Dichloro benzene, water, unfiltered, recoverable, μg/L (34536) | 1,3,5-Tri methyl benzene, water, unfiltered, recoverable, μg/L (77226) |
|------------|--|---|--|--|--|--|--|--|--|--|
| 01-04-2010 | < .02 | < .03 | < .1 | < .1 | < .1 | < .1 | < .1 | < .03 | < .03 | < .03 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 9 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | 1,3-Dichloro benzene, water, unfiltered, recoverable, μg/L (34566) | 2,2-Di chloro propane, water, unfiltered, recoverable, μg/L (77170) | 2-Chloro toluene, water, unfiltered, recoverable, μg/L (77275) | 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) |
|------------|--|---|--|---|--|--|---|---|---|--|
| 01-04-2010 | < .02 | < .06 | < .03 | < .03 | < .04 | < .06 | < 3 | < .03 | < .02 | < .06 |

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 10 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Bromo dichloro methane, water, unfiltered, recoverable, μg/L (32101) | Bromo ethene, water, unfiltered, recoverable, μg/L (50002) | 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) | Di chloro difluoro methane, water, unfiltered, recoverable, μg/L (34668) | Dichloro methane, water, unfiltered, recoverable, μg/L (34423) |
|------------|--|--|--|---|--|--|--|---|--|--|
| 01-04-2010 | < .03 | < .1 | < .02 | < .1 | < .1 | < .02 | < .1 | < .05 | < .10 | < 0.038 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 11 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Diethyl ether, water, unfiltered, recoverable, μg/L (81576) | Di iso 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) | Iso propyl benzene, water, unfiltered, recoverable, μg/L (77223) | Methyl acrylate, water, unfiltered, recoverable, μg/L (49991) |
|------------|---|---|--|---|---|---|--|--|--|---|
| 01-04-2010 | < .1 | < .06 | < .1 | < 1.6 | < .04 | < .1 | < .1 | < .3 | < .04 | < .6 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 12 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | 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-Butyl benzene, water, unfiltered, recoverable, μg/L (77342) | n-Propyl benzene, water, unfiltered, recoverable, μg/L (77224) | o-Xylene, water, unfiltered, recoverable, μg/L (77135) |
|------------|--|---|---|--|--|---|---|---|--|--|
| 01-04-2010 | < .3 | < .2 | < .10 | < .06 | < .08 | < .2 | < .5 | < .1 | < .04 | < .03 |

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | sec-Butyl benzene, 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 chloro ethene, water, unfiltered, recoverable, μg/L (34475) | Tetra chloro methane, water, unfiltered, recoverable, μg/L (32102) | Tetra hydro furan, water, unfiltered, recoverable, μg/L (81607) | Toluene, water, unfiltered, recoverable, μg/L (34010) | trans-1,2-Di chloro ethene, water, unfiltered, recoverable, μg/L (34546) | trans-1,4-Di chloro-2-butene, water, unfiltered, recoverable, μg/L (73547) |
|------------|---|---|--|---|---|--|---|---|--|--|
| 01-04-2010 | < .03 | < .03 | < .03 | < .06 | < .03 | < .05 | < 1 | < .02 | < .02 | < .4 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 14 of 14

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; 01, North Carolina District data base; <, less than; E, estimated; U, analyzed for but not detected]

| Date | Tribromo methane, water, unfiltered, recoverable, μg/L (32104) | Tri chloro ethene, water, unfiltered, recoverable, μg/L (39180) | Tri chloro fluoro methane, water, unfiltered, recoverable, μg/L (34488) | Tri chloro methane, water, unfiltered, recoverable, μg/L (32106) | Vinyl chloride, water, unfiltered, recoverable, μg/L (39175) | Data base number |
|------------|--|---|---|--|--|------------------|
| 01-04-2010 | < .10 | < .02 | < .08 | 5.77 | < .1 | 01 |