

Water-Data Report 2009

## 08290000 RIO CHAMA NEAR CHAMITA, NM

Upper Rio Grande Basin  
Rio Chama Subbasin

LOCATION.--Lat 36°04'24.8", long 106°06'42.1" referenced to North American Datum of 1983, Rio Arriba County, NM, Hydrologic Unit 13020102, in San Juan Pueblo Grant, near left downstream corner of bridge on U.S. Highway 285, 0.5 mi west of Chamita, 2.5 mi northwest of San Juan Pueblo, and at mile 2.8.

DRAINAGE AREA.--3,144 mi<sup>2</sup> of which 100 mi<sup>2</sup> probably is noncontributing.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1912 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Chama River near Chamita" prior to 1928, and "Chama River at Chamita" 1929-30.

REVISED RECORDS.--WSP 1512: 1913-15, 1934, 1936. WSP 1632: 1929(M). WSP 1732: 1931(M). WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Concrete control since Jan. 1, 1964. Datum of gage is 5,653.61 ft above NGVD of 1929. Prior to Oct. 4, 1933, at railroad bridge 2.3 mi downstream at different datums. Oct. 4, 1933, to Mar. 1, 1942, at site 50 ft downstream at datum 0.22 ft higher. Mar. 2, 1942, to Dec. 31, 1963, at site 200 ft downstream, present datum.

REMARKS.--Water-discharge records fair except for those estimated, which are poor. Diversions upstream from station for irrigation of about 27,600 acres. Chamita ditch (station 08289500), on left bank, and Hernandez ditch (station 08289800), on right bank, bypass gage for irrigation of several hundred acres downstream from station. Flow regulated by El Vado Reservoir (station 08285000), 74.9 mi upstream, since Jan. 1935 and Abiquiu Reservoir (station 08286900), 29.3 mi upstream, since Feb. 1963. Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510) 83.0 mi upstream. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--The floods of Sept. 29, 1904, and Oct. 4 or 5, 1911, probably exceeded 15,000 ft<sup>3</sup>/s. Another major flood occurred in 1884, from newspaper accounts.

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

[e, estimated]

| Day          | Oct    | Nov   | Dec    | Jan    | Feb   | Mar    | Apr    | May     | Jun    | Jul    | Aug    | Sep    |
|--------------|--------|-------|--------|--------|-------|--------|--------|---------|--------|--------|--------|--------|
| 1            | 626    | 84    | 81     | e220   | 123   | 374    | 786    | 2,240   | 1,250  | 436    | 712    | 728    |
| 2            | 641    | 82    | 79     | e206   | 124   | 374    | 751    | 2,180   | 1,410  | 434    | 707    | 810    |
| 3            | 668    | 79    | 77     | e208   | 122   | 380    | 631    | 2,260   | 1,430  | 421    | 700    | 832    |
| 4            | 690    | 82    | 81     | e207   | 126   | 361    | 509    | 2,180   | 1,440  | 436    | 643    | 855    |
| 5            | 673    | 99    | 80     | e207   | 113   | 278    | 536    | 2,390   | 1,430  | 422    | 659    | 854    |
| 6            | 591    | 106   | 80     | e206   | 108   | 292    | 528    | 2,410   | 1,410  | 285    | 775    | 850    |
| 7            | 526    | 102   | 81     | e207   | 111   | 309    | 523    | 2,430   | 1,510  | 275    | 905    | 788    |
| 8            | 507    | 92    | 82     | e207   | 117   | 370    | 538    | 2,410   | 1,520  | 425    | 911    | 721    |
| 9            | 513    | 90    | 85     | e208   | 119   | 372    | 591    | 2,320   | 1,510  | 437    | 953    | 695    |
| 10           | 487    | 102   | 81     | e209   | 122   | 383    | 599    | 2,230   | 1,560  | 485    | 1,060  | 679    |
| 11           | 621    | 100   | 101    | e211   | 117   | 374    | 653    | 2,150   | 1,580  | 502    | 1,010  | 644    |
| 12           | 385    | 87    | 117    | e212   | 118   | 321    | 665    | 2,070   | 1,550  | 500    | 912    | 636    |
| 13           | 267    | 76    | 121    | 211    | 121   | 312    | 637    | 2,000   | 1,540  | 573    | 976    | 589    |
| 14           | 229    | 80    | 117    | 205    | 110   | 312    | 690    | 1,940   | 1,560  | 656    | 884    | 547    |
| 15           | 133    | 80    | 108    | 206    | 93    | 307    | 737    | 1,900   | 1,530  | 706    | 798    | 465    |
| 16           | 103    | 79    | 200    | 206    | 116   | 306    | 791    | 1,860   | 1,420  | 788    | 739    | 467    |
| 17           | 97     | 79    | 333    | 202    | 238   | 297    | 803    | 1,840   | 1,060  | 927    | 715    | 394    |
| 18           | 97     | 78    | 372    | 207    | 232   | 302    | 774    | 1,830   | 764    | 1,070  | 651    | 266    |
| 19           | 96     | 81    | 360    | 204    | 233   | 303    | 754    | 1,800   | 680    | 1,040  | 644    | 244    |
| 20           | 91     | 83    | e280   | 148    | 231   | 310    | 734    | 1,800   | 402    | 942    | 768    | 242    |
| 21           | 96     | 82    | e272   | 146    | 137   | 228    | 736    | 1,760   | 401    | 1,190  | 815    | 236    |
| 22           | 217    | 82    | e273   | 148    | 125   | 209    | 953    | 1,620   | 486    | 1,030  | 908    | 195    |
| 23           | 217    | 80    | e271   | 143    | 200   | 298    | 1,330  | 1,640   | 463    | 606    | 883    | e230   |
| 24           | 227    | 76    | e272   | 144    | 248   | 530    | 1,500  | 1,710   | 457    | 374    | 818    | e290   |
| 25           | 227    | 70    | e275   | 147    | 260   | 696    | 1,810  | 1,860   | 475    | 479    | 732    | e330   |
| 26           | 175    | 62    | e277   | 144    | 269   | 697    | e1,880 | 1,810   | 596    | 703    | 657    | e340   |
| 27           | 172    | 84    | e281   | e135   | 349   | 711    | 1,730  | 1,840   | 457    | 622    | 590    | e330   |
| 28           | 160    | 91    | e280   | e120   | 364   | 826    | 1,720  | 1,840   | 449    | 582    | 578    | e404   |
| 29           | 153    | 84    | e281   | e123   | ---   | 821    | 1,770  | 1,750   | 445    | 536    | 580    | 454    |
| 30           | 152    | 81    | e270   | e124   | ---   | 804    | 1,930  | 1,640   | 438    | 609    | 661    | e530   |
| 31           | 92     | ---   | e263   | e125   | ---   | 783    | ---    | 1,210   | ---    | 694    | 694    | ---    |
| <b>Total</b> | 9,929  | 2,533 | 5,931  | 5,596  | 4,746 | 13,240 | 28,589 | 60,920  | 31,223 | 19,185 | 24,038 | 15,645 |
| <b>Mean</b>  | 320    | 84.4  | 191    | 181    | 170   | 427    | 953    | 1,965   | 1,041  | 619    | 775    | 522    |
| <b>Max</b>   | 690    | 106   | 372    | 220    | 364   | 826    | 1,930  | 2,430   | 1,580  | 1,190  | 1,060  | 855    |
| <b>Min</b>   | 91     | 62    | 77     | 120    | 93    | 209    | 509    | 1,210   | 401    | 275    | 578    | 195    |
| <b>Ac-ft</b> | 19,690 | 5,020 | 11,760 | 11,100 | 9,410 | 26,260 | 56,710 | 120,800 | 61,930 | 38,050 | 47,680 | 31,030 |

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2009, BY WATER YEAR (WY)**

|             | Oct    | Nov    | Dec    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Mean</b> | 291    | 270    | 289    | 196    | 246    | 448    | 1,050  | 1,492  | 1,030  | 598    | 492    | 435    |
| <b>Max</b>  | 1,273  | 1,224  | 1,291  | 876    | 1,677  | 1,705  | 2,534  | 2,741  | 2,346  | 1,477  | 1,114  | 1,164  |
| <b>(WY)</b> | (1988) | (1980) | (1976) | (1986) | (1987) | (1987) | (1985) | (1983) | (1984) | (1983) | (2000) | (1987) |
| <b>Min</b>  | 37.3   | 51.4   | 63.4   | 63.5   | 56.1   | 85.1   | 120    | 204    | 117    | 170    | 95.5   | 83.1   |
| <b>(WY)</b> | (1979) | (2002) | (2003) | (1975) | (2002) | (1977) | (1977) | (1972) | (1976) | (1972) | (1979) | (1974) |

08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

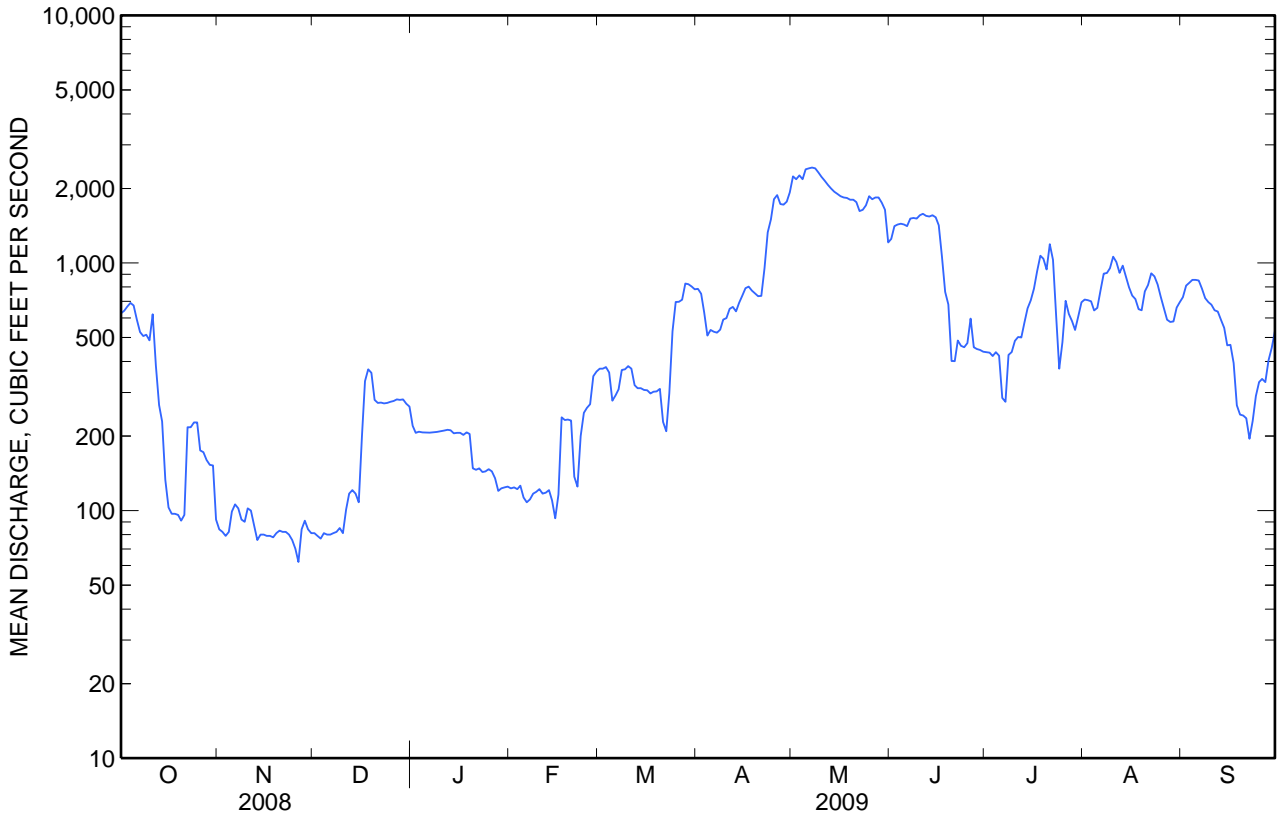
SUMMARY STATISTICS

|                                 | Calendar Year 2008 |        | Water Year 2009 |        | Water Years 1971 - 2009 |              |
|---------------------------------|--------------------|--------|-----------------|--------|-------------------------|--------------|
| <b>Annual total</b>             | 269,583            |        | 221,575         |        |                         |              |
| <b>Annual mean</b>              | 737                |        | 607             |        | <sup>a</sup> 571        |              |
| <b>Highest annual mean</b>      |                    |        |                 |        | 923                     | 1987         |
| <b>Lowest annual mean</b>       |                    |        |                 |        | 234                     | 1972         |
| <b>Highest daily mean</b>       | 2,510              | Apr 25 | 2,430           | May 7  | 3,570                   | May 5, 1985  |
| <b>Lowest daily mean</b>        | 62                 | Nov 26 | 62              | Nov 26 | 1.2                     | Sep 16, 1971 |
| <b>Annual seven-day minimum</b> | 76                 | Nov 20 | 76              | Nov 20 | 1.7                     | Sep 10, 1971 |
| <b>Maximum peak flow</b>        |                    |        | 3,140           | Jul 21 | <sup>b</sup> 15,000     | May 22, 1920 |
| <b>Maximum peak stage</b>       |                    |        | 6.66            | Jul 21 | <sup>c</sup> 11.68      | Sep 1, 1994  |
| <b>Instantaneous low flow</b>   |                    |        | 57              | Nov 26 | 1.2                     | Sep 16, 1971 |
| <b>Annual runoff (ac-ft)</b>    | 534,700            |        | 439,500         |        | 413,500                 |              |
| <b>10 percent exceeds</b>       | 1,900              |        | 1,600           |        | 1,600                   |              |
| <b>50 percent exceeds</b>       | 527                |        | 425             |        | 319                     |              |
| <b>90 percent exceeds</b>       | 92                 |        | 92              |        | 75                      |              |

<sup>a</sup> Average discharge for 58 years (water years 1913-70), 541 ft<sup>3</sup>/s, 392,000 acre-ft/yr, prior to release of transmountain water.

<sup>b</sup> From rating curve extended above 2,000 ft<sup>3</sup>/s.

<sup>c</sup> From floodmarks of slope-area measurement of peak flow.



## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1963 to December 1974, December 2004 to current year. WATER TEMPERATURE: January 1950 to December 1974, December 2004 to current year.

INSTRUMENTATION.--Hourly specific conductance and thermistor data logged since December 2004.

REMARKS.--Daily values from October 1950 to December 1974 furnished by the Army Corps of Engineers, Albuquerque District. Interruptions in the record were due to malfunctions of the instrument.

Temperature and specific conductance readings were taken on January 11, at locations upstream, downstream, and instream from the probe. Data showed no variability in temperature but as much as 75 microsiemens variability in specific conductance. The variability in specific conductance was mostly in areas of high flow.

Sediment continued to be a problem for the probe until April 19th when a baffle was installed around the probe housing. Since its installation, the baffle structure has been successful in preventing sand from causing probe fouling and reducing the variability in specific conductance reading.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,010 microsiemens, July 25, 1970; minimum daily, 167 microsiemens, May 24, 2005. WATER TEMPERATURE: Maximum daily, 36.0 °C, August 19, 1974; minimum daily, freezing point many days during winter months. Probes removed for bridge construction 11/03/2005, reinstalled 09/13/2006 and removed (final) 10/01/2006.

EXTREMES FOR CURRENT YEAR.--

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 22

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date                | Time | Baro-<br>metric<br>pres-<br>sure,<br>mm Hg<br>(00025) | Temper-<br>ature,<br>air,<br>deg C<br>(00020) | Instan-<br>taneous<br>dis-<br>charge,<br>ft <sup>3</sup> /s<br>(00061) | Dis-<br>solved<br>oxygen,<br>mg/L<br>(00300) | pH,<br>water,<br>unfltrd<br>std<br>units<br>(00400) | pH,<br>water,<br>unfltrd<br>lab,<br>std<br>units<br>(00403) | Specif.<br>conduc-<br>tance,<br>wat unf<br>lab,<br>μS/cm @<br>25 degC<br>(90095) | Specif-<br>ic<br>conduc-<br>tance,<br>wat unf<br>lab,<br>μS/cm @<br>25 degC<br>(00095) | Temper-<br>ature,<br>water,<br>deg C<br>(00010) | Turbdty<br>white<br>light,<br>det ang<br>90+/-30<br>corrctd<br>NTRU<br>(63676) | Dis-<br>solved<br>solids<br>dried @<br>180degC<br>wat flt<br>mg/L<br>(70300) | Calcium<br>water,<br>fltrd,<br>mg/L<br>(00915) |
|---------------------|------|---|---|--|--|---|---|--|--|---|--|--|--|
| <b>Nov</b><br>06... | 0935 | 628   | 7.0   | 85   | 10.8   | 8.2   | 8.0   | 411  | 411  | 2.5   | 72   | 254  | 42.2   |
| <b>May</b><br>05... | 1545 | 623   | 25.0  | 2,740  | 10.4   | 8.2   | 7.9   | 237  | 212  | 11.5  | 76   | 167  | 29.0   |
| <b>Aug</b><br>12... | 1140 | 632   | 29.5  | 901  | 8.6  | 7.9   | 8.2   | 276  | 253  | 15.0  | --   | 178  | 35.4   |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) | Sodium, water, fltrd, mg/L (00930) | Alkalinity, wat flt        | Alkalinity, wat flt          | Bicarbonate, wat flt       | Carbonate, wat flt         | Chloride, water, fltrd, mg/L (00940) | Fluoride, water, fltrd, mg/L (00950) | Silica, water, fltrd, mg/L as SiO2 (00955) | Sulfate, water, fltrd, mg/L (00945) | Ammonia + org-N, water, fltrd, mg/L as N (00623) | Ammonia + org-N, water, unfltrd, mg/L as N (00625) |
|-----------|---------------------------------------|---------------------------------------|------------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|--------------------------------------|--------------------------------------|--|-------------------------------------|--|--|
|           |                                       |                                       |                                    | lab, mg/L as CaCO3 (29801) | field, mg/L as CaCO3 (39086) | titr., field, mg/L (00453) | titr., field, mg/L (00452) |                                      |                                      |  |                                     |  |  |
| Nov 06... | 8.68                                  | 2.57                                  | 25.3                               | 135                        | 128                          | 154                        | 1                          | 10.0                                 | .28                                  | 16.4                                       | 59.1                                | .25  | .33  |
| May 05... | 4.60                                  | 1.75                                  | 10.1                               | 73                         | 70                           | 84                         | .0                         | 2.51                                 | .10                                  | 14.1                                       | 35.8                                | .38  | .47  |
| Aug 12... | 5.03                                  | 1.77                                  | 10.6                               | 82                         | 79                           | 96                         | .0                         | 2.06                                 | .12                                  | 14.1                                       | 46.6                                | .26  | .36  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Ammonia water, fltrd, mg/L as N (00608) | Ammonia water, unfltrd, mg/L as N (00610) | Nitrate + nitrite, water, fltrd, mg/L as N (00631) | Nitrite, water, fltrd, mg/L as N (00613) | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphorus, water, fltrd, mg/L as P (00666) | Phosphorus, water, unfltrd, mg/L as P (00665) | E coli, m-TEC MF, water, col/100 mL (31633) | Fecal coliform, M-FC 0.7u MF, col/100 mL (31625) | Aluminum, water, fltrd, µg/L (01106) | Barium, water, fltrd, µg/L (01005) | Beryllium, water, fltrd, µg/L (01010) | Cadmium, water, fltrd, µg/L (01025) |
|-----------|---|---|--|--|---|---|---|---|--|--------------------------------------|------------------------------------|---------------------------------------|-------------------------------------|
|           |   |   | Nov 06...  | <.020                                    | .190  | <.04  | <.002   | E.007                                       | .006   | .075                                 | 120                                | 7                                     | <4.0                                |
| May 05... | <.020                                   | .290                                      | <.04   | E.001                                    | .011  | .014  | .352  | 47  | 57   | 24.1                                 | 50                                 | <.02                                  | <.02                                |
| Aug 12... | <.020                                   | --  | .09  | .002                                     | .018  | .021  | .228  | 38  | 62   | E3.8                                 | 65                                 | <.02                                  | <.02                                |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 4 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Chrom-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01030) | Cobalt<br>water,<br>fltrd,<br>µg/L<br>(01035) | Copper,<br>water,<br>fltrd,<br>µg/L<br>(01040) | Iron,<br>water,<br>fltrd,<br>µg/L<br>(01046) | Lead,<br>water,<br>fltrd,<br>µg/L<br>(01049) | Lithium<br>water,<br>fltrd,<br>µg/L<br>(01130) | Mangan-<br>ese,<br>water,<br>fltrd,<br>µg/L<br>(01056) | Mercury<br>water,<br>fltrd,<br>µg/L<br>(71890) | Mercury<br>water,<br>unfltrd<br>recover-<br>able,<br>µg/L<br>(71900) | Molyb-<br>denum,<br>water,<br>fltrd,<br>µg/L<br>(01060) | Nickel,<br>water,<br>fltrd,<br>µg/L<br>(01065) | Silver,<br>water,<br>fltrd,<br>µg/L<br>(01075) | Stront-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01080) |
|--------------|---|---|--|--|--|--|--|--|--|---|--|--|--|
|              | Nov<br>06...  | E.11  | .13  | 1.1  | 4  | E.04   | 44.4   | 17.9   | <.010  | <.010   | 1.3  | .95  | <.008  |
| May<br>05... | .16   | .09   | E.94   | 24   | .10  | 9.2  | 6.9  | <.010  | E.006  | .8  | .82  | <.008  | 222  |
| Aug<br>12... | E.09  | .11   | E.78   | 8  | <.06   | 8.4  | 3.1  | <.010  | --   | 1.0   | .95  | <.008  | 271  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 5 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Thall-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01057) | Vana-<br>dium,<br>water,<br>fltrd,<br>µg/L<br>(01085) | Zinc,<br>water,<br>fltrd,<br>µg/L<br>(01090) | Anti-<br>mony,<br>water,<br>fltrd,<br>µg/L<br>(01095) | Arsenic<br>water,<br>fltrd,<br>µg/L<br>(01000) | Boron,<br>water,<br>fltrd,<br>µg/L<br>(01020) | Selen-<br>ium,<br>water,<br>fltrd,<br>µg/L<br>(01145) | Selen-<br>ium,<br>water,<br>unfltrd<br>µg/L<br>(01147) | 1,2,3-<br>Tri-<br>chloro-<br>propane<br>water,<br>unfltrd<br>µg/L<br>(77443) | Dibromo<br>chloro-<br>propane<br>water,<br>unfltrd<br>µg/L<br>(82625) | 1,2-Di-<br>bromo-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(77651) | 1,2-Di-<br>chloro-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(32103) | 1,2-Di-<br>chloro-<br>propane<br>water,<br>unfltrd<br>µg/L<br>(34541) |
|--------------|---|---|--|---|--|---|---|--|--|---|--|---|---|
|              | Nov<br>06...  | <.04  | 2.6  | E1.1  | .10  | 2.7   | 49  | .27  | --   | --  | --   | --  | --  |
| May<br>05... | <.04  | 2.1   | <2.0   | .09   | 1.3  | 18  | .28   | .22  | --   | --  | --   | --  | --  |
| Aug<br>12... | <.04  | 2.3   | <2.0   | .10   | 1.6  | 18  | .32   | --   | <.2  | <.5   | <.2  | <.2   | <.1   |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 6 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | 1,3-Di-chloro-propane water, unfltrd<br>µg/L<br>(77173) | 1,4-Di-chloro-benzene water, unfltrd<br>µg/L<br>(34571) | 2,4,6-Tri-chloro-phenol, water, unfltrd<br>µg/L<br>(34621) | 2,4-Di-chloro-phenol, water, unfltrd<br>µg/L<br>(34601) | 2,4-Di-methyl-phenol, water, unfltrd<br>µg/L<br>(34606) | 2-Methyl-4,6-di-nitro-phenol, wat unf<br>µg/L<br>(34657) | 4-Chloro-3-methyl-phenol, wat unf<br>µg/L<br>(34452) | 4-Nitro-phenol, water, unfltrd<br>µg/L<br>(34646) | Acrylo-nitrile water, unfltrd<br>µg/L<br>(34215) | Aldrin, water, unfltrd<br>µg/L<br>(39330) | alpha-Endo-sulfan, water, unfltrd<br>µg/L<br>(39388) | Atra-zine, water, unfltrd<br>µg/L<br>(39630) | Broma-cil, water, unfltrd<br>µg/L<br>(30234) |
|-----------|---|---|--|---|---|--|--|---|--|---|--|--|--|
| Nov 06... | --  | --  | --   | --  | --  | --   | --   | --  | --   | --  | --   | --   | --   |
| May 05... | --  | --  | --   | --  | --  | --   | --   | --  | --   | --  | --   | --   | --   |
| Aug 12... | <.2   | <.1   | <.6  | <.39  | <.8   | <.77   | <.55   | <.51  | <2.5   | <.01                                      | <.01   | <.20   | <.8  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 7 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Bromo-methane water, unfltrd<br>µg/L<br>(34413) | Camphor water, unfltrd<br>µg/L<br>(62817) | Carbaryl, water, unfltrd<br>µg/L<br>(39750) | Carbazole, water, unfltrd<br>µg/L<br>(77571) | Chlor-dane, technical, water, unfltrd<br>µg/L<br>(39350) | Chlor-pyrifos water, unfltrd<br>µg/L<br>(38932) | cis-1,3-Di-chloro-propene water, unfltrd<br>µg/L<br>(34704) | DEET, water, unfltrd<br>µg/L<br>(61947) | Diazi-non, water, unfltrd<br>µg/L<br>(39570) | Di-chlor-vo-s, water, unfltrd<br>µg/L<br>(30218) | Diel-drin, water, unfltrd<br>µg/L<br>(39380) | Endrin, water, unfltrd<br>µg/L<br>(39390) | Hepta-chlor epoxide water, unfltrd<br>µg/L<br>(39420) |
|-----------|---|---|---|--|--|---|---|---|--|--|--|---|---|
| Nov 06... | --  | --  | --  | --   | --   | --  | --  | --                                      | --   | --   | --   | --  | --  |
| May 05... | --  | --  | --  | --   | --   | --  | --  | --                                      | --   | --   | --   | --  | --  |
| Aug 12... | <.4   | <.2                                       | <.2   | <.2  | <.1  | <.2   | <.2   | <.2                                     | <.2  | <.2  | <.008  | <.01                                      | <.009   |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 8 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Hepta-<br>chlor,<br>water,<br>unfltrd<br>µg/L<br>(39410) | Hexa-<br>chloro-<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(39700) | Lindane<br>water,<br>unfltrd<br>µg/L<br>(39340) | Metal-<br>axyl,<br>water,<br>unfltrd<br>µg/L<br>(04254) | Metola-<br>chlor,<br>water,<br>unfltrd<br>µg/L<br>(82612) | Mirex,<br>water,<br>unfltrd<br>µg/L<br>(39755) | p,p'-<br>DDD,<br>water,<br>unfltrd<br>µg/L<br>(39360) | p,p'-<br>DDE,<br>water,<br>unfltrd<br>µg/L<br>(39365) | p,p'-<br>DDT,<br>water,<br>unfltrd<br>µg/L<br>(39370) | p,p'-<br>Meth-<br>oxy-<br>chlor,<br>water,<br>unfltrd<br>µg/L<br>(39480) | p-<br>Cresol,<br>water,<br>unfltrd<br>µg/L<br>(77146) | Penta-<br>chloro-<br>phenol,<br>water,<br>unfltrd<br>µg/L<br>(39032) | Prome-<br>ton,<br>water,<br>unfltrd<br>µg/L<br>(39056) |
|--------------|--|---|---|---|---|--|---|---|---|--|---|--|--|
| Nov<br>06... | --   | --  | --  | --  | --  | --   | --  | --  | --  | --   | --  | --   | --   |
| May<br>05... | --   | --  | --  | --  | --  | --   | --  | --  | --  | --   | --  | --   | --   |
| Aug<br>12... | <.01   | <.30  | <.014   | <.2   | <.2   | <.006  | <.016   | <.014   | <.010   | <.002  | <.2   | <1   | <.2  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 9 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Thiaben-<br>dazole,<br>water,<br>fltrd,<br>µg/L<br>(62801) | Toxa-<br>phene,<br>water,<br>unfltrd<br>µg/L<br>(39400) | trans-<br>1,3-Di-<br>chloro-<br>propene<br>water,<br>unfltrd<br>µg/L<br>(34699) | PCBs,<br>water,<br>unfltrd<br>µg/L<br>(39516) | 1,1,1,2-<br>Tetra-<br>chloro-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(77562) | 1,1,1-<br>Tri-<br>chloro-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(34506) | 1,1,2,2-<br>Tetra-<br>chloro-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(34516) | CFC-113<br>water,<br>unfltrd<br>µg/L<br>(77652) | 1,1,2-<br>Tri-<br>chloro-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(34511) | 1,1-Di-<br>chloro-<br>ethane,<br>water,<br>unfltrd<br>µg/L<br>(34496) | 1,1-Di-<br>chloro-<br>ethene,<br>water,<br>unfltrd<br>µg/L<br>(34501) | 1,1-Di-<br>chloro-<br>propene<br>water,<br>unfltrd<br>µg/L<br>(77168) | 1,2,3-<br>Tri-<br>chloro-<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(77613) |
|--------------|--|---|---|---|--|--|--|---|--|---|---|---|--|
| Nov<br>06... | --   | --  | --  | --  | --   | --   | --   | --  | --   | --  | --  | --  | --   |
| May<br>05... | --   | --  | --  | --  | --   | --   | --   | --  | --   | --  | --  | --  | --   |
| Aug<br>12... | <.060  | <1  | <.2   | <.1   | <.2  | <.1  | <.2  | <.1   | <.2  | <.1   | <.1   | <.2   | <.2  |



## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 10 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | 1,2,4-Tri-chloro-benzene water, unfltrd<br>µg/L<br>(34551) | 1,2,4-Tri-methyl-benzene water, unfltrd<br>µg/L<br>(77222) | 1,2-Di-chloro-benzene water, unfltrd<br>µg/L<br>(34536) | 1,2-Di-phenyl-hydra-zine, water, unfltrd<br>µg/L<br>(82626) | 1,3,5-Tri-methyl-benzene water, unfltrd<br>µg/L<br>(77226) | 1,3-Di-chloro-benzene water, unfltrd<br>µg/L<br>(34566) | 1,7-Di-methyl-Xan-thine, water, fltrd,<br>µg/L<br>(62030) | 1-Methyl-naphth-alene, water, unfltrd<br>µg/L<br>(81696) | 2,2-Di-chloro-propane water, unfltrd<br>µg/L<br>(77170) | 2,4-Di-nitro-phenol, water, unfltrd<br>µg/L<br>(34616) | 2,4-Di-nitro-toluene water, unfltrd<br>µg/L<br>(34611) | 2,6-Di-methyl-naphth-alene, water, unfltrd<br>µg/L<br>(62805) | 2,6-Di-nitro-toluene water, unfltrd<br>µg/L<br>(34626) |
|-----------|--|--|---|---|--|---|---|--|---|--|--|---|--|
| Nov 06... | --   | --   | --  | --  | --   | --  | --  | --   | --  | --   | --   | --  | --   |
| May 05... | --   | --   | --  | --  | --   | --  | --  | --   | --  | --   | --   | --  | --   |
| Aug 12... | <.2  | <.2  | <.1   | <.30  | <.2  | <.1   | <.120   | <.2  | <.2   | <.1  | <.6  | <.2   | <.43   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 11 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | 2-Chloro-naphth-alene, water, unfltrd<br>µg/L<br>(34581) | 2-Chloro-phenol, water, unfltrd<br>µg/L<br>(34586) | 2-Chloro-toluene water, unfltrd<br>µg/L<br>(77275) | 2-Methyl-naphth-alene, water, unfltrd<br>µg/L<br>(30194) | 2-nitro-phenol, water, unfltrd<br>µg/L<br>(34591) | 3,3'-Di-chloro-benzi-dine, water, unfltrd<br>µg/L<br>(34631) | 3,4-Di-chloro-phenyl iso-cyanate wat unf<br>µg/L<br>(63145) | 3-beta-Copros-tanol, water, unfltrd<br>µg/L<br>(62806) | 3-Methyl-1H-indole, water, unfltrd<br>µg/L<br>(62807) | 3-tert-Butyl-4-hy-droxy-anisole wat unf<br>µg/L<br>(61702) | 4-Bromo-phenyl ether, wat unf<br>µg/L<br>(34636) | 4-Chloro-phenyl ether, wat unf<br>µg/L<br>(34641) | 4-Chloro-toluene water, unfltrd<br>µg/L<br>(77277) |
|-----------|--|--|--|--|---|--|---|--|---|--|--|---|--|
| Nov 06... | --   | --   | --   | --   | --  | --   | --  | --   | --  | --   | --   | --  | --   |
| May 05... | --   | --   | --   | --   | --  | --   | --  | --   | --  | --   | --   | --  | --   |
| Aug 12... | <.2  | <.42   | <.2  | <.2  | <.4   | <.4  | <1.6  | <.2  | <.2   | <.2  | <.36   | <.34  | <.2  |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 12 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | 4-Cumyl-phenol, water, unfltrd<br>µg/L<br>(62808) | 4-Iso-propyl-toluene water, unfltrd<br>µg/L<br>(77356) | 4-n-Octyl-phenol, water, unfltrd<br>µg/L<br>(62809) | 4-Nonyl-phenol, all isomers wat unf<br>µg/L<br>(62829) | 4-Nonyl-phenol di-ethox-ylate, wat unf<br>µg/L<br>(61703) | 4-Nonyl-phenol mono-ethox-ylate, wat unf<br>µg/L<br>(61704) | 4t-Octylphenol di-ethox-ylate, wat unf<br>µg/L<br>(62486) | 4t-Octylphenol mono-ethox-ylate, wat unf<br>µg/L<br>(62485) | 4-tert-Octyl-phenol, water, unfltrd<br>µg/L<br>(62810) | 5-Meth-yl-1H-benzo-tri-azole, wat unf<br>µg/L<br>(61944) | 9,10-Anthra-quinone water, unfltrd<br>µg/L<br>(62813) | 9H-Fluor-ene, water, unfltrd<br>µg/L<br>(34381) | Ace-naphth-ene, water, unfltrd<br>µg/L<br>(34205) |
|-----------|---|--|---|--|---|---|---|---|--|--|---|---|---|
| Nov 06... | --  | --   | --  | --   | --  | --  | --  | --  | --   | --   | --  | --  | --  |
| May 05... | --  | --   | --  | --   | --  | --  | --  | --  | --   | --   | --  | --  | --  |
| Aug 12... | <.2   | <.2  | <.2   | M  | <3  | <1.6  | <.5   | <1  | <.4  | <2   | <.2   | <.33  | <.28  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 13 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Ace-naphth-ylene, water, unfltrd<br>µg/L<br>(34200) | Acet-amino-phen, water, fltrd,<br>µg/L<br>(62000) | Aceto-phenone water, unfltrd<br>µg/L<br>(62811) | AHTN, water, unfltrd<br>µg/L<br>(62812) | Albut-erol, water, fltrd,<br>µg/L<br>(62020) | Anthra-cene, water, unfltrd<br>µg/L<br>(34220) | BDE congenr 47, water, unfltrd<br>µg/L<br>(63147) | Benzene water, unfltrd<br>µg/L<br>(34030) | Benzo-[a]-anthra-cene, water, unfltrd<br>µg/L<br>(34526) | Benzo-[a]-pyrene, water, unfltrd<br>µg/L<br>(34247) | Benzo-[b]-fluor-anthene water, unfltrd<br>µg/L<br>(34230) | Benzo-[ghi]-per-ylene, water, unfltrd<br>µg/L<br>(34521) | Benzo-[k]-fluor-anthene water, unfltrd<br>µg/L<br>(34242) |
|-----------|---|---|---|---|--|--|---|---|--|---|---|--|---|
| Nov 06... | --  | --  | --  | --                                      | --   | --   | --  | --  | --   | --  | --  | --   | --  |
| May 05... | --  | --  | --  | --                                      | --   | --   | --  | --  | --   | --  | --  | --   | --  |
| Aug 12... | <.30  | <.080   | <.4   | <.2                                     | <.060  | <.39   | <.3   | <.1                                       | <.26   | <.33  | <.40  | <.4  | <.4   |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 14 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Benzo-phenone water, unfltrd<br>µg/L<br>(62814) | Benzyln-butyl phthalate, water, unfltrd<br>µg/L<br>(34292) | betasitosterol, water, unfltrd<br>µg/L<br>(62815) | betastigmanol, water, unfltrd<br>µg/L<br>(61948) | Bis(2-chloroethoxy) methane, water, unfltrd<br>µg/L<br>(34278) | Bis(2-chloroethyl) ether, water, unfltrd<br>µg/L<br>(34273) | Bis(2-chloroiso-propyl) ether, wat unf<br>µg/L<br>(34283) | Bis(2-ethylphthalate), wat unf<br>µg/L<br>(39100) | Bisphenol A, water, unfltrd<br>µg/L<br>(62816) | Bromobenzene, water, unfltrd<br>µg/L<br>(81555) | Bromochloromethane, water, unfltrd<br>µg/L<br>(77297) | Bromodichloromethane, water, unfltrd<br>µg/L<br>(32101) | Caffeine, water, fltrd,<br>µg/L<br>(50305) |
|-----------|---|--|---|--|--|---|---|---|--|---|---|---|--|
| Nov 06... | --  | --   | --  | --   | --   | --  | --  | --  | --   | --  | --  | --  | --   |
| May 05... | --  | --   | --  | --   | --   | --  | --  | --  | --   | --  | --  | --  | --   |
| Aug 12... | <.2   | <.2  | <.2   | <.2  | <.2  | <.30  | <.38  | <.2   | <.4  | <.2   | <.2   | <.1   | <.200                                      |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 15 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Caffeine, water, unfltrd<br>µg/L<br>(81436) | Carbamazepine, water, fltrd,<br>µg/L<br>(62793) | Chlorobenzene, water, unfltrd<br>µg/L<br>(34301) | Chloroethane, water, unfltrd<br>µg/L<br>(34311) | Chloromethane, water, unfltrd<br>µg/L<br>(34418) | Cholesterol, water, unfltrd<br>µg/L<br>(62818) | Chrysene, water, unfltrd<br>µg/L<br>(34320) | cis-1,2-Dichloroethene, water, unfltrd<br>µg/L<br>(77093) | Codeine, water, fltrd,<br>µg/L<br>(62003) | Cotinine, water, fltrd,<br>µg/L<br>(62005) | Cotinine, water, unfltrd<br>µg/L<br>(61945) | Dehydronifedipine, water, fltrd,<br>µg/L<br>(62004) | Di-benzo[a,h]-anthracene, wat unf<br>µg/L<br>(34556) |
|-----------|---|---|--|---|--|--|---|---|---|--|---|---|--|
| Nov 06... | --  | --  | --   | --  | --   | --   | --  | --  | --  | --   | --  | --  | --   |
| May 05... | --  | --  | --   | --  | --   | --   | --  | --  | --  | --   | --  | --  | --   |
| Aug 12... | <.2   | <.040   | <.1  | <.2   | <.2  | <.2  | <.33  | <.1   | <.040                                     | <.026                                      | <.8   | <.080   | <.4  |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 16 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Di-bromo-chloro-methane water, unfltrd<br>µg/L<br>(32105) | Di-bromo-methane water, unfltrd<br>µg/L<br>(30217) | Di-chloro-fluoro-methane wat unfltrd<br>µg/L<br>(34668) | Di-chloro-methane water, unfltrd<br>µg/L<br>(34423) | Di-ethyl-phthal-ate, water, unfltrd<br>µg/L<br>(34336) | Diltia-zem, water, fltrd, µg/L<br>(62008) | Di-methyl-phthal-ate, water, unfltrd<br>µg/L<br>(34341) | Di-n-butyl-phthal-ate, water, unfltrd<br>µg/L<br>(39110) | Di-n-octyl-phthal-ate, water, unfltrd<br>µg/L<br>(34596) | Diphen-hydra-mine, water, fltrd, µg/L<br>(62796) | D-Limo-nene, water, unfltrd<br>µg/L<br>(62819) | Ethyl-benzene water, unfltrd<br>µg/L<br>(34371) | Fluor-anthene water, unfltrd<br>µg/L<br>(34376) |
|-----------|---|--|---|---|--|---|---|--|--|--|--|---|---|
| Nov 06... | --  | --   | --  | --  | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| May 05... | --  | --   | --  | --  | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| Aug 12... | <.2   | <.2  | <.2   | <.2   | <.61   | <.080                                     | <.4   | <1   | <.6  | <.040  | E.1  | <.1   | <.30  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 17 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date      | Hexa-chloro-buta-diene, water, unfltrd<br>µg/L<br>(39702) | Hexa-chloro-cyclo-penta-diene, wat unfltrd<br>µg/L<br>(34386) | Hexa-chloro-ethane, water, unfltrd<br>µg/L<br>(34396) | HHCB, water, unfltrd<br>µg/L<br>(62823) | Indeno-[1,2,3-cd]-pyrene, water, unfltrd<br>µg/L<br>(34403) | Indole, water, unfltrd<br>µg/L<br>(62824) | Isobor-neol, water, unfltrd<br>µg/L<br>(62825) | Iso-phorone, water, unfltrd<br>µg/L<br>(34408) | Iso-propyl-benzene, water, unfltrd<br>µg/L<br>(77223) | Iso-quin-oline, water, unfltrd<br>µg/L<br>(62826) | Menthol, water, unfltrd<br>µg/L<br>(62827) | Methyl salicy-late, water, unfltrd<br>µg/L<br>(62828) | Methyl t-butyl ether, water, unfltrd<br>µg/L<br>(78032) |
|-----------|---|---|---|---|---|---|--|--|---|---|--|---|---|
| Nov 06... | --  | --  | --  | --                                      | --  | --  | --   | --   | --  | --  | --   | --  | --  |
| May 05... | --  | --  | --  | --                                      | --  | --  | --   | --   | --  | --  | --   | --  | --  |
| Aug 12... | <.2   | <.4   | <.2   | <.2                                     | <.4   | <.2                                       | <.2  | <.4  | <.2   | <.2   | <.2  | <.2   | <.2   |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 18 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Naphth-<br>alene,<br>water,<br>unfltrd<br>µg/L<br>(34696) | n-Butyl<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(77342) | Nitro-<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(34447) | N-<br>Nitroso<br>-di-<br>methyl-<br>amine,<br>wat unf<br>µg/L<br>(34438) | N-<br>Nitroso<br>-di-n-<br>propyl-<br>amine,<br>wat unf<br>µg/L<br>(34428) | N-<br>Nitroso<br>-di-<br>phenyl-<br>amine,<br>wat unf<br>µg/L<br>(34433) | n-<br>Propyl-<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(77224) | Organic<br>carbon,<br>water,<br>fltrd,<br>mg/L<br>(00681) | Organic<br>carbon,<br>water,<br>unfltrd<br>mg/L<br>(00680) | Phenan-<br>threne,<br>water,<br>unfltrd<br>µg/L<br>(34461) | Phenol,<br>water,<br>unfltrd<br>µg/L<br>(34694) | Pyrene,<br>water,<br>unfltrd<br>µg/L<br>(34469) | sec-<br>Butyl-<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(77350) |
|--------------|---|--|---|--|--|--|--|---|--|--|---|---|---|
|              | Nov<br>06...  | --   | --  | --   | --   | --   | --   | --  | 4.0  | --   | --  | --  | --  |
| May<br>05... | --  | --   | --  | --   | --   | --   | --   | 8.9   | --   | --   | --  | --  | --  |
| Aug<br>12... | <.5   | <.2  | <.2   | <.2  | <.4  | <.4  | <.2  | 3.8   | 5.2  | <.32   | <.4   | <.35  | <.2   |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 19 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Styrene<br>water,<br>unfltrd<br>µg/L<br>(77128) | Sulfa-<br>methox-<br>azole,<br>water,<br>fltrd,<br>µg/L<br>(62021) | tert-<br>Butyl-<br>benzene<br>water,<br>unfltrd<br>µg/L<br>(77353) | Tetra-<br>chloro-<br>ethene,<br>water,<br>unfltrd<br>µg/L<br>(34475) | Tetra-<br>chloro-<br>methane<br>water,<br>unfltrd<br>µg/L<br>(32102) | Toluene<br>water,<br>unfltrd<br>µg/L<br>(34010) | trans-<br>1,2-Di-<br>chloro-<br>ethene,<br>water,<br>unfltrd<br>µg/L<br>(34546) | Tri-<br>bromo-<br>methane<br>water,<br>unfltrd<br>µg/L<br>(32104) | Tri-<br>butyl<br>phos-<br>phate,<br>water,<br>unfltrd<br>µg/L<br>(62832) | Tri-<br>chloro-<br>ethene,<br>water,<br>unfltrd<br>µg/L<br>(39180) | Tri-<br>chloro-<br>fluoro-<br>methane<br>water,<br>unfltrd<br>µg/L<br>(34488) | Tri-<br>chloro-<br>methane<br>water,<br>unfltrd<br>µg/L<br>(32106) | Tri-<br>closan,<br>water,<br>unfltrd<br>µg/L<br>(61708) |
|--------------|---|--|--|--|--|---|---|---|--|--|---|--|---|
|              | Nov<br>06...                                    | --   | --   | --   | --   | --  | --  | --  | --   | --   | --  | --   | --  |
| May<br>05... | --  | --   | --   | --   | --   | --  | --  | --  | --   | --   | --  | --   | --  |
| Aug<br>12... | <.1   | <.160  | <.2  | <.1  | <.2  | <.1   | <.1   | <.2   | <.2  | <.1  | <.2   | <.1  | <.2   |

## 08290000 RIO CHAMA NEAR CHAMITA, NM—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 20 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Tri-ethyl<br>citrate<br>water,<br>unfltrd<br>µg/L<br>(62833) | Tri-meth-<br>oprim,<br>water,<br>fltrd,<br>µg/L<br>(62023) | Tri-phenyl<br>phos-<br>phate,<br>water,<br>unfltrd<br>µg/L<br>(62834) | Tris(2-<br>butoxy-<br>ethyl)<br>phos-<br>phate,<br>wat unf<br>µg/L<br>(62830) | Tris(2-<br>chloro-<br>ethyl)<br>phos-<br>phate,<br>wat unf<br>µg/L<br>(62831) | Tris-<br>(diCl-<br>i-Pr)<br>phos-<br>phate,<br>wat unf<br>µg/L<br>(61707) | Vinyl<br>chlor-<br>ide,<br>water,<br>unfltrd<br>µg/L<br>(39175) | Warfar-<br>in,<br>water,<br>fltrd,<br>µg/L<br>(62024) | Xylene,<br>water,<br>unfltrd<br>µg/L<br>(81551) | Am-241,<br>suspnd<br>sedimnt<br>pCi/g<br>(49980) | Pu-238,<br>suspnd<br>sedimnt<br>pCi/g<br>(49974) | Pu-239<br>+<br>Pu-240,<br>suspnd<br>sedimnt<br>pCi/g<br>(49976) | Alpha<br>radio-<br>activity<br>water,<br>fltrd,<br>Th-230,<br>pCi/L<br>(04126) |
|--------------|--|--|---|---|---|---|---|---|---|--|--|---|--|
| Nov<br>06... | --   | --   | --  | --  | --  | --  | --  | --  | --  | --   | --   | --  | --   |
| May<br>05... | --   | --   | --  | --  | --  | --  | --  | --  | --  | --   | --   | --  | --   |
| Aug<br>12... | <.2  | <.020  | <.2   | <.2   | <.2   | <.2   | <.2   | <.100   | <.2   | R-.03  | R-.005   | R.000   | R.7  |

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 21 of 22

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

| Date         | Am-241,<br>water,<br>fltrd,<br>pCi/L<br>(29867) | Gross<br>beta<br>radioac<br>Cs-137,<br>pCi/L<br>(03515) | Pu-238,<br>water,<br>fltrd,<br>pCi/L<br>(22001) | Pu-239<br>+<br>Pu-240,<br>water,<br>fltrd,<br>pCi/L<br>(49940) | Ra-226,<br>water,<br>fltrd,<br>method<br>pCi/L<br>(09511) | Ra-228,<br>water,<br>fltrd,<br>pCi/L<br>(81366) | Sr-90,<br>water,<br>fltrd,<br>pCi/L<br>(13503) | Tritium<br>water,<br>unfltrd<br>pCi/L<br>(07000) | Uranium<br>natural<br>water,<br>fltrd,<br>µg/L<br>(22703) | U-234,<br>water,<br>fltrd,<br>pCi/L<br>(22610) | U-235,<br>water,<br>fltrd,<br>pCi/L<br>(22620) | U-238,<br>water,<br>fltrd,<br>pCi/L<br>(22603) | Suspnd.<br>sedimnt<br>sieve<br>diametr<br>percent<br><0.0625<br>mm<br>(70331) |
|--------------|---|---|---|--|---|---|--|--|---|--|--|--|---|
| Nov<br>06... | --  | --  | --  | --   | --  | --  | --   | --   | 3.11  | --   | --   | --   | 95  |
| May<br>05... | --  | --  | --  | --   | --  | --  | --   | --   | .72   | --   | --   | --   | --  |
| Aug<br>12... | R-.05   | 1.2   | R-.004  | R-.007   | .060  | R.14  | .07  | 23.9   | .63   | .41  | R.006  | .27  | --  |

**08290000 RIO CHAMA NEAR CHAMITA, NM—Continued**

**WATER-QUALITY  
DATA**

**WATER YEAR  
OCTOBER 2008 TO  
SEPTEMBER 2009**

Part 22 of 22

[Remark codes:

<, less than;

E, estimated;

M, presence verified  
but not quantified;

R, radchem non-  
detect, below ssLc.]

| <b>Date</b>          | <b>Sus-<br/>pended<br/>sedi-<br/>ment<br/>concen-<br/>tration<br/>mg/L<br/>(80154)</b> |
|----------------------|--|
| <b>Nov<br/>06...</b> | 114  |
| <b>May<br/>05...</b> | <.5  |
| <b>Aug<br/>12...</b> | --   |