

SWP Water Quality Summary

January 15, 2004

Total Dissolved Solids: TDS from California aqueduct, North and South Bay aqueduct gradually increased to the middle of December 2003. Thereafter, concentrations started declining through the first week of January 2004, because of recent rainfall. Barker Slough had the lowest concentration of 79 mg/L, which occurred on January 3, 2004. At Banks Pumping Plant and Vallecitos, TDS fell from a high of 366 mg/l and 356 mg/l on December 16, to 204 mg/l and 224 mg/l on January 13, 2004, respectively. TDS at all locations remain below Article 19 Monthly Average Objective.

Bromide: Bromide concentrations at Banks Pumping Plant, Check 29, 41 and Vallecitos increased substantially starting from October 1, through the third week of December 2003. Similarly, on December 15, bromide concentrations at Banks Pumping Plant and Vallecitos peaked to 0.363 mg/l and 0.358 mg/l and have since fallen to 0.135 mg/l and 0.162 mg/l on January 13, 2004, respectively. Concentration at Barker Slough remained below the CALFED Objective. Devil Canyon had a gradual increase ranging from 0.104 to 0.248 mg/l. Check 41 had the highest concentration of 0.375 mg/L, which occurred on January 1, 2004.

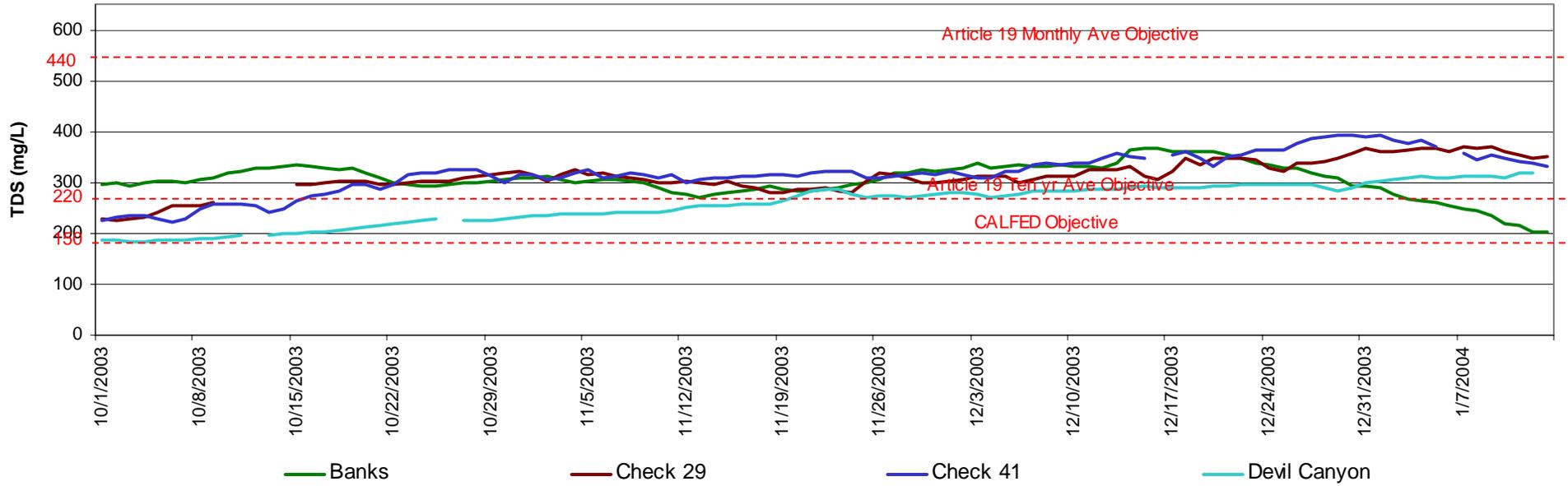
Turbidity: Turbidity at all locations remained low from October 1 to the third week of December 2003. Banks Pumping Plant, Devil Canyon, Barker Slough and Vallecitos exhibited a similar peaked pattern between December 24 and January 7, 2004, due to rainfall runoff. Barker Slough and Banks Pumping Plant had the highest peaks of 150 and 118 NTU compared to the rest of the stations. After about four days, turbidity fell back to the background levels.

Dissolved Organic Carbon: DOC concentration remained below the CALFED TOC Objective, through December 19, 2003. Thereafter, concentrations increased at all locations, above the CALFED TOC Objectives. Check 13 had the highest concentration of DOC, 5.2 mg/l compared to other locations.

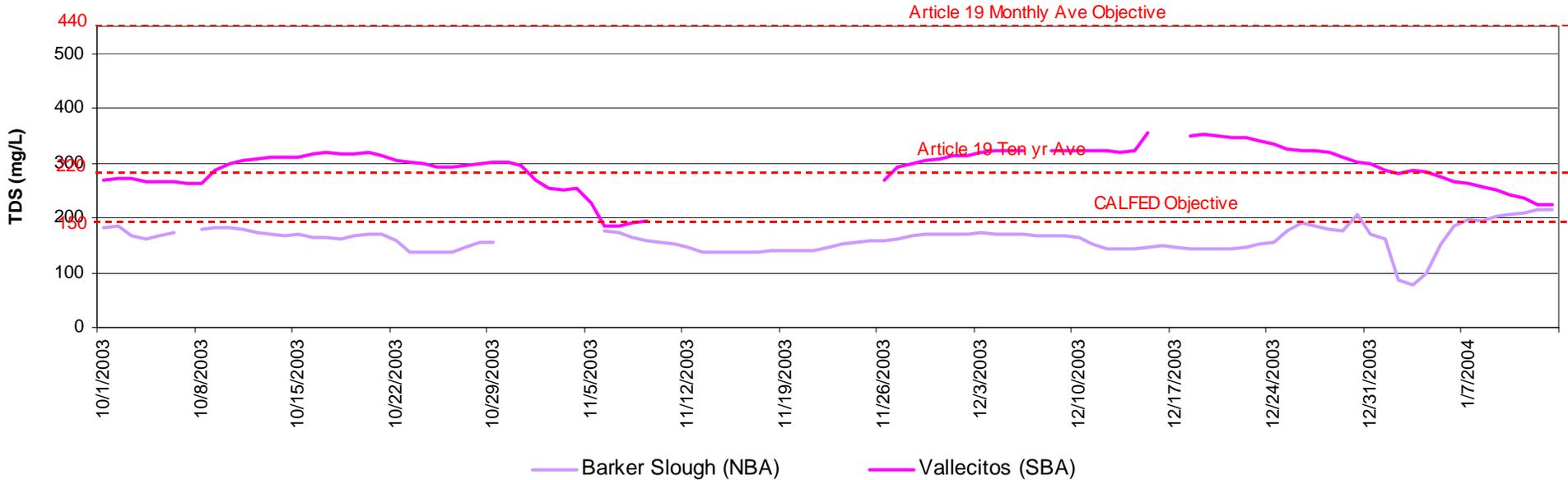
Taste and Odor Compounds: Taste and odor compound MIB has been low project wide, except that current data showed that the compound remained high at Lake Perris probably from production by benthic algae in the Lake.

Ground Water Pump-in: No ground water pump-in during May through mid-January, 2004.

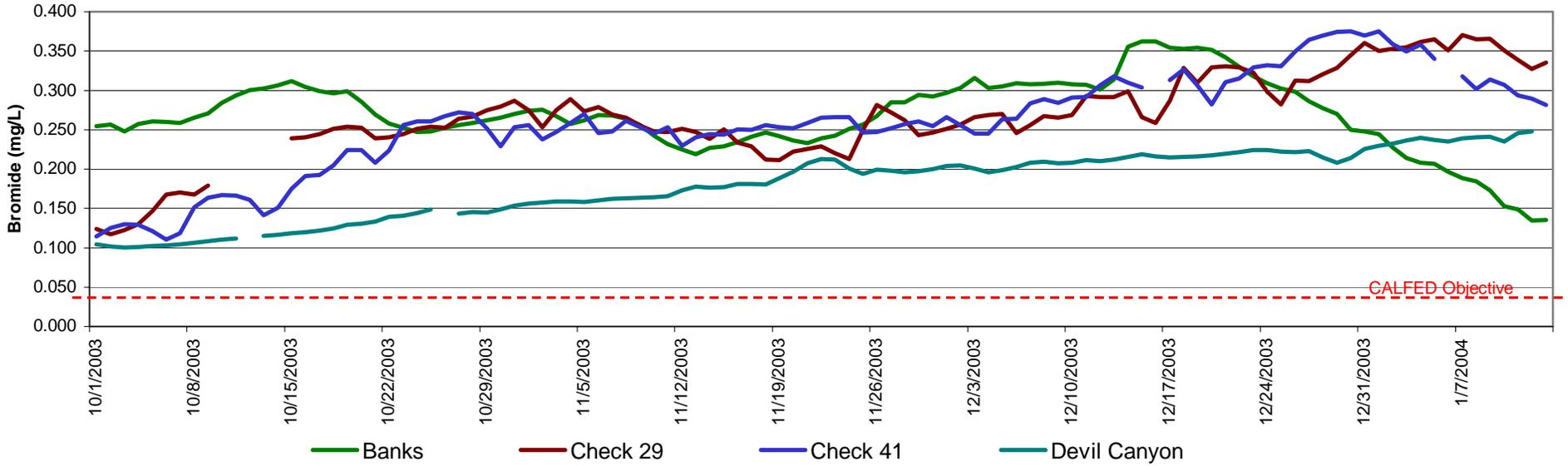
California Aqueduct Calculated Total Dissolved Solids



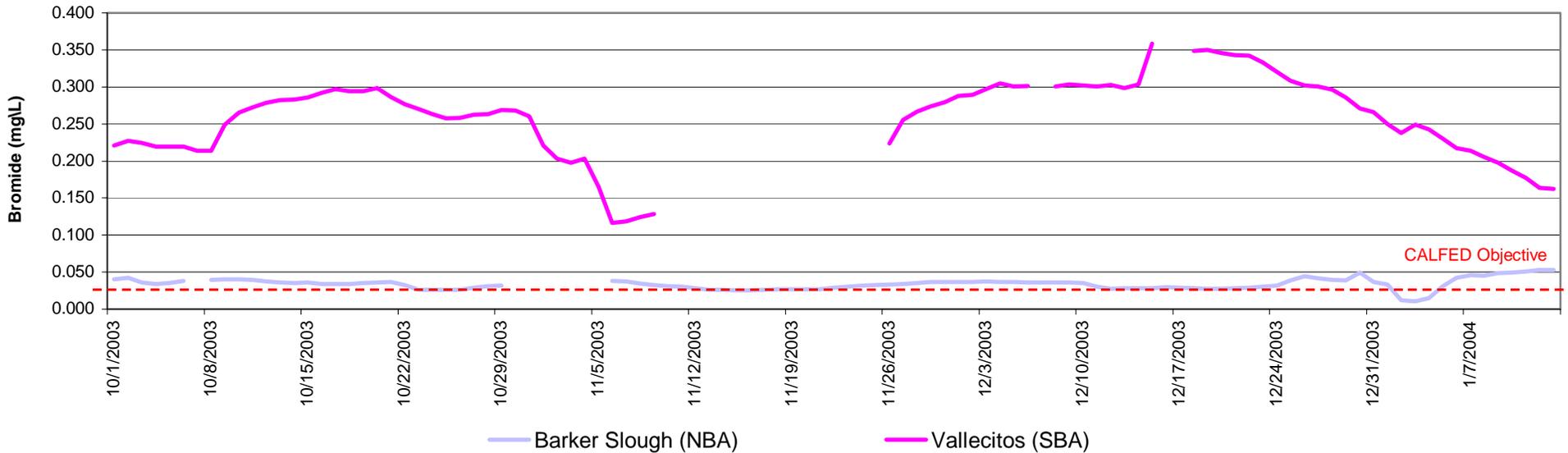
North and South Bay Aqueduct Calculated Total Dissolved Solids



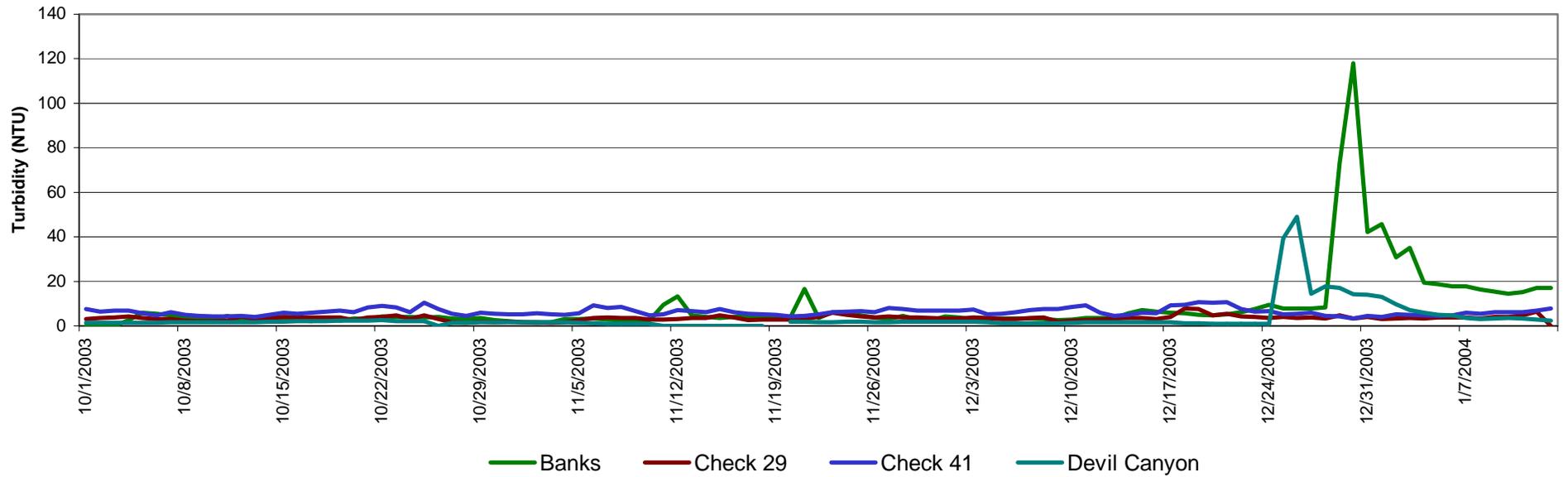
California Aqueduct Calculated Bromide



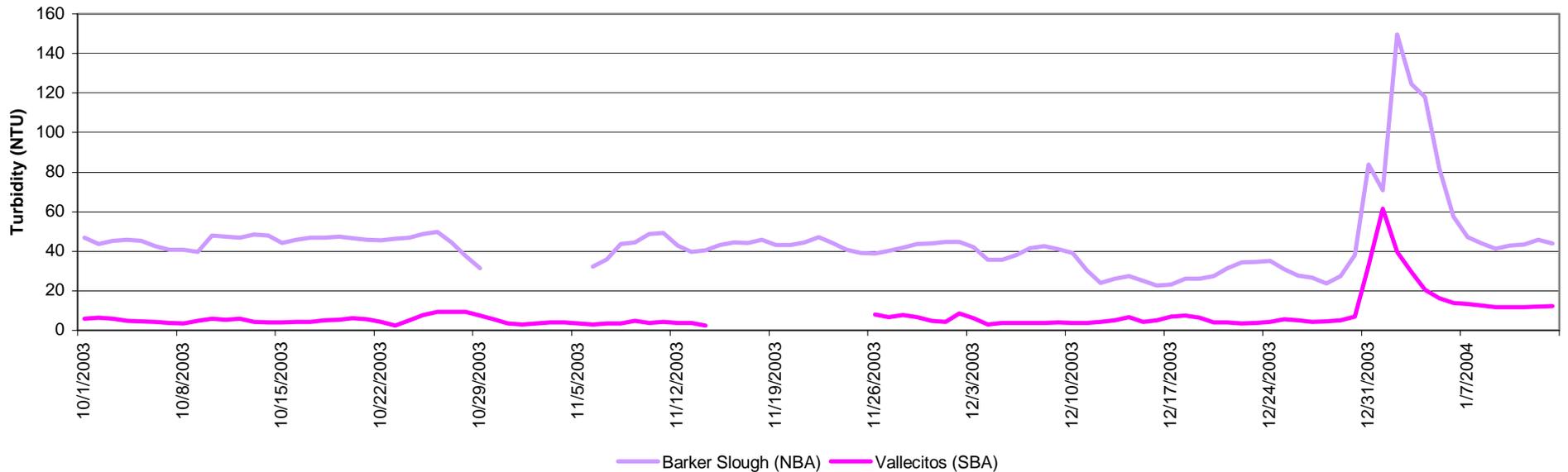
North and South Bay Aqueduct Calculated Bromide



California Aqueduct Turbidity



North and South Bay Aqueduct Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

