

V6H002Q01: SODIUM At Tugela Ferry on Tugela... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/v6h002a01
 Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat
 3563 loads calculated: Log flow range = 4.36 to 7.97
 Method 1: $\text{Sum}(q^*c)/n = 33377 \text{ kg SODIUM/day}$
 Method 2: $(q_avg * c_sum)/n = 56112 \text{ kg SODIUM/day}$
 Method 3: $(q_avg * \text{Sum}(q^*c))/n = 33038 \text{ kg SODIUM/day}$
 Regression: $\log c = (-0.273 * \log q) + (3.077)$ $r^2 = 0.11$
 Method 4: $(\text{Sum}(q^*c)/n) * (n^*q_avg/\text{Sum}(q))^{(\text{slope}+1)} = 33130 \text{ kg SODIUM/day}$

Year	n Obs	Mean m3/d	Method1	Method 4
1998	10	2404809	16522639	9751248
1999	11	2507194	7407942	10051419
2000	12	5429448	15331296	17629658
2001	2	3549972	4414489	12943679
2002	0	2010614	4414489	8560931
2003	11	841436	2735937	4543864
2004	7	2520428	12866654	10089975
2005	12	4524963	11997208	15441689
2006	9	6423811	19714197	19922995
2007	7	1899360	12157395	8213802

