

C2H018Q01: SODIUM Vaal River at De Vaal/Schoemansdrift... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/c2h018a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	51	4889201	71997998	59020222
3640 loads calculated: Log flow range = 5.55 to 8.32	1999	53	2501296	44381819	30332897
Method 1: $\text{Sum}(q^*c)/n = 160886 \text{ kg SODIUM/ day}$	2000	49	17719020	122277754	212025181
Method 2: $(q_avg*c_sum)/n = 274336 \text{ kg SODIUM/ day}$	2001	51	3276105	48504288	39655832
Method 3: $(q_avg*\text{Sum}(q^*c))/n = 165185 \text{ kg SODIUM/ day}$	2002	52	3793925	43166457	45877870
Regression: $\text{log}c = (-0.007*\text{log}q) + (1.805) \quad r^2=0$	2003	52	1177189	31194109	14349220
Method 4: $(\text{Sum}(q^*c)/n)^{(n*q_avg/\text{Sum}(q))^{(\text{slope}+1)}} = 165155 \text{ kg SODIUM/ day}$	2004	52	1978206	45204508	24027882
	2005	51	2246407	40352001	27261883
	2006	50	9999648	73257258	120123388
	2007	51	1849865	38572563	22479298

