

APPENDIX C

Storm Sampling Results First Flush

Table C-1. Sampling Summary for 2002-2003 – County-Wide

Constituent	Total Samples	# of Detections	% of Detections	Minimum	Average	Maximum	Standard Deviation	Objective or Standard	Value	Number of Exceedances
Glyphosate	63	40	63.5%	0.0098	0.0303	0.0670	0.0157	MUN	0.7	0
Total Recoverable Petroleum Hydrocarbons	63	4	6.3%	1.0	1.3	1.5	0.2			
Chlorpyrifos	53	3	5.7%	0.00005	0.00006	0.00007	0.00001	CCC	0.000041	3
Demeton	53	0	0.0%							
Diazinon	53	28	52.8%	0.00004	0.00020	0.00170	0.00035	CMC	0.00000009	28
Malathion	53	8	15.1%	0.0001	0.0005	0.0019	0.0006	CCC	0.0001	5
Parathion	53	0	0.0%							
Oil and Grease	63	6	9.5%	1.0	1.6	2.7	0.7			
Dissolved Arsenic	63	0	0.0%					MUN	0.05	0
Dissolved Cadmium	63	0	0.0%							
Dissolved Chromium	63	27	42.9%	0.01	0.01	0.02	0.01	CCC	0.74	0
Dissolved Copper	63	9	14.3%	0.01	0.01	0.02	0.00	CCC	0.009	9
Dissolved Lead	63	0	0.0%					CCC	0.0025	0
Dissolved Mercury	63	0	0.0%					Chr	0.000012	0
Dissolved Nickel	63	0	0.0%					CCC	0.052	0
Dissolved Zinc	63	19	30.2%	0.01	0.02	0.08	0.02	C/W	0.004	19
Ammonical Nitrogen	63	43	68.3%	0.1	0.3	1.2	0.2			
Nitrate as Nitrogen (NO3-N)	63	57	90.5%	0.6	2.7	13.0	2.4	MUN	45	0
Nitrite as Nitrogen (NO2-N)	63	0	0.0%							
Phosphate as Phosphorus (PO4-P)	63	0	0.0%							
Total Phosphorus	63	63	100.0%	0.18	3.46	28.00	5.54			
Total Kjeldahl Nitrogen	63	63	100.0%	0.5	3.3	11.0	2.8			
pH	58	58	100.0%	7.2	8.0	8.3	0.2			
DO (%)	58	58	100.0%	67.9	98.8	125.3	9.6			
DO (mg/L)	58	58	100.0%	6.77	10.16	12.35	1.03			
Conductivity	58	58	100.0%	40.3	594.2	3589.0	645.0			
Specific Conductance	58	58	100.0%	51.3	749.5	4464.0	805.1			
Salinity	58	58	100.0%	0.0	0.4	2.4	0.4			
Temperature	58	58	100.0%	10.4	14.0	16.3	1.4			
Total coliform (MPN)	57	57	100.0%	34,410	484,792	3,000,000	633,540	SOWQS	10,000	57
E. coli (MPN)	57	57	100.0%	1,178	13,407	98,040	17,603	SOWQS	400	57
Enterococcus (MPN)	57	57	100.0%	4,352	30,182	155,310	30,452	SOWQS	104	57

Table C-2. Sampling Summary for 2002-2003 – First Flush

Constituent	Total Samples	# of Detections	% of Detections	Minimum	Average	Maximum	Standard Deviation	Objective or Standard	Value	Number of Exceedances
Glyphosate	33	19	57.6%	0.0098	0.0273	0.0480	0.0110	MUN	0.7	0
Total Recoverable Petroleum Hydrocarbons	33	3	9.1%	1.0	1.2	1.4	0.2			
Chlorpyrifos	31	1	3.2%	0.00007	0.00007	0.00007		CCC	0.000041	1
Demeton	31	0	0.0%							
Diazinon	31	18	58.1%	0.00004	0.00026	0.00170	0.00042	CMC	0.00000009	18
Malathion	31	8	25.8%	0.0001	0.0005	0.0019	0.0006	CCC	0.0001	5
Parathion	31	0	0.0%							
Oil and Grease	33	4	12.1%	1.1	1.4	2.2	0.5			
Dissolved Arsenic	33	0	0.0%					MUN	0.05	0
Dissolved Cadmium	33	0	0.0%							
Dissolved Chromium	33	13	39.4%	0.01	0.01	0.02	0.01	CCC	0.74	0
Dissolved Copper	33	7	21.2%	0.01	0.01	0.02	0.00	CCC	0.009	7
Dissolved Lead	33	0	0.0%					CCC	0.0025	0
Dissolved Mercury	33	0	0.0%					Chr	0.000012	0
Dissolved Nickel	33	0	0.0%					CCC	0.052	0
Dissolved Zinc	33	14	42.4%	0.01	0.03	0.08	0.02	C/W	0.004	14
Ammonical Nitrogen	33	23	69.7%	0.1	0.3	1.2	0.3			
Nitrate as Nitrogen (NO3-N)	33	27	81.8%	0.6	1.8	7.7	1.6	MUN	45	0
Nitrite as Nitrogen (NO2-N)	33	0	0.0%							
Phosphate as Phosphorus (PO4-P)	33	0	0.0%							
Total Phosphorus	33	33	100.0%	0.18	1.10	7.40	1.33			
Total Kjeldahl Nitrogen	33	33	100.0%	0.5	2.4	11.0	2.4			
pH	33	33	100.0%	7.2	7.9	8.3	0.3			
DO (%)	33	33	100.0%	67.9	97.6	125.3	12.2			
DO (mg/L)	33	33	100.0%	6.77	10.15	12.35	1.32			
Conductivity	33	33	100.0%	40.3	608.9	2789.0	620.3			
Specific Conductance	33	33	100.0%	51.3	775.2	3483.0	776.8			
Salinity	33	33	100.0%	0.0	0.4	1.8	0.4			
Temperature	33	33	100.0%	10.4	13.5	16.3	1.6			
Total coliform (MPN)	28	28	100.0%	34,410	275,028	1,732,900	380,350	SOWQS	10,000	28
E. coli (MPN)	28	28	100.0%	1,178	16,779	98,040	23,557	SOWQS	400	28
Enterococcus (MPN)	28	28	100.0%	4,352	26,507	155,310	32,824	SOWQS	104	28

Figure C-1. Total Coliform

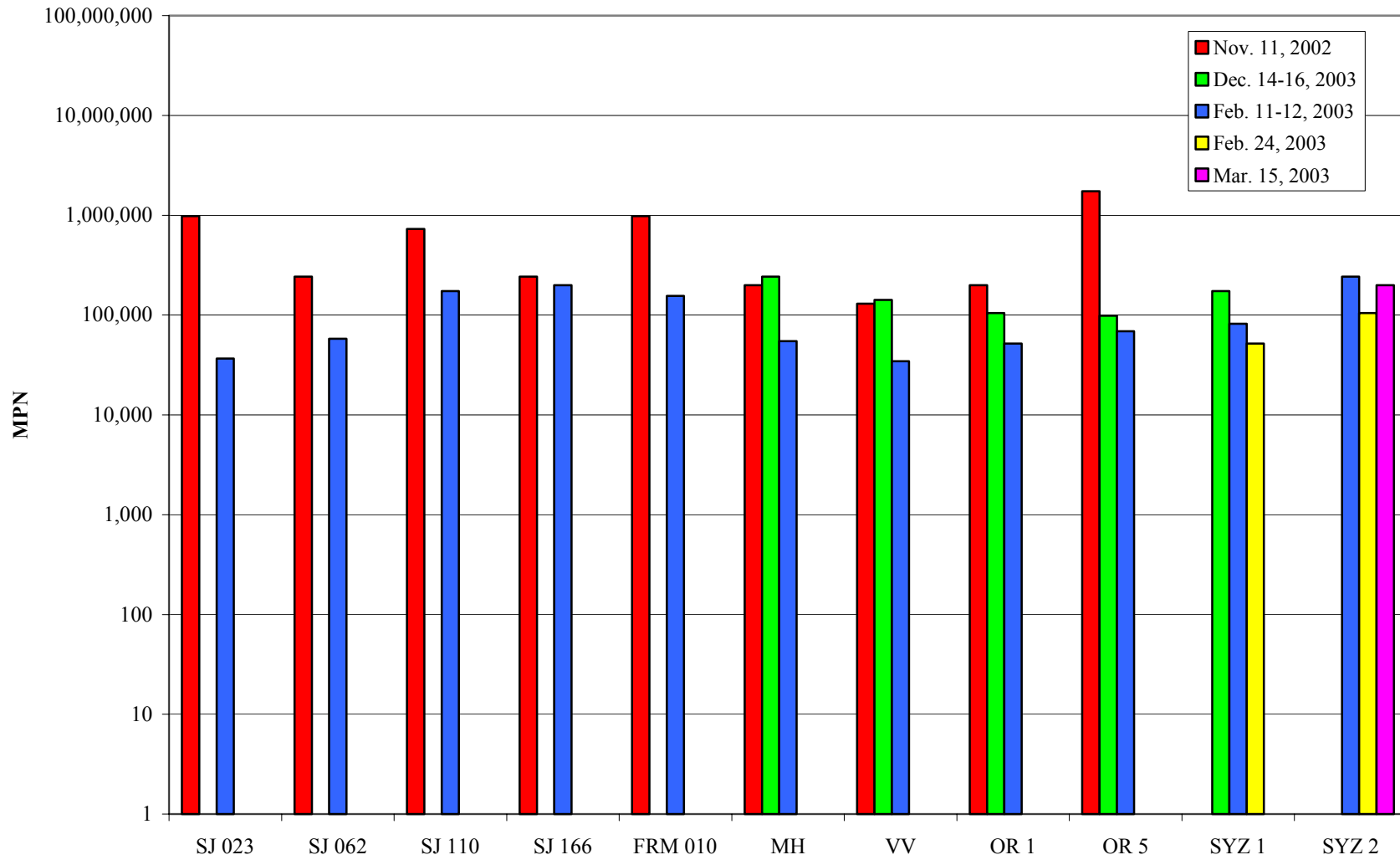


Figure C-2. *E. coli*

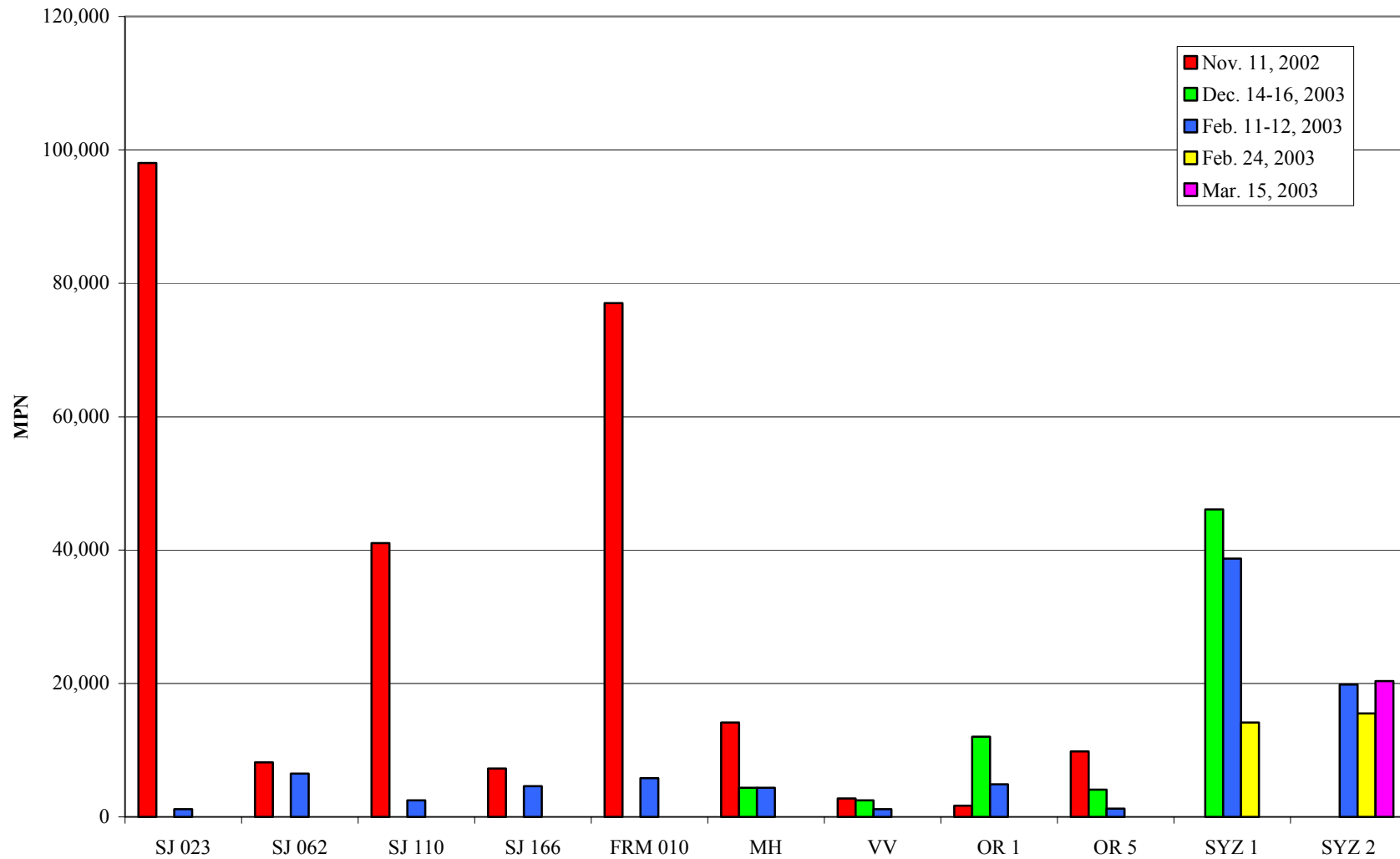


Figure C-3. Enterococcus

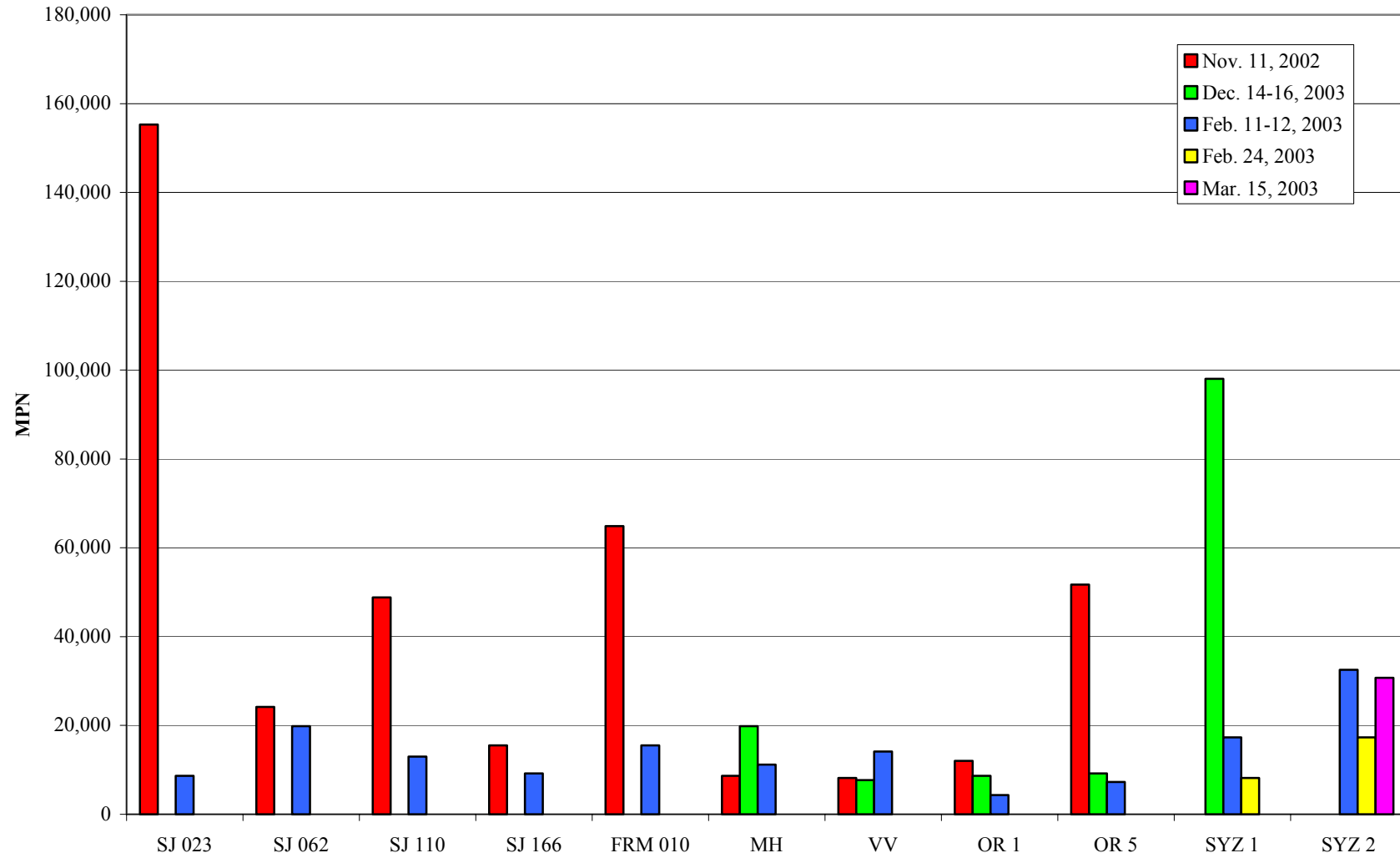


Figure C-4. Glyphosate

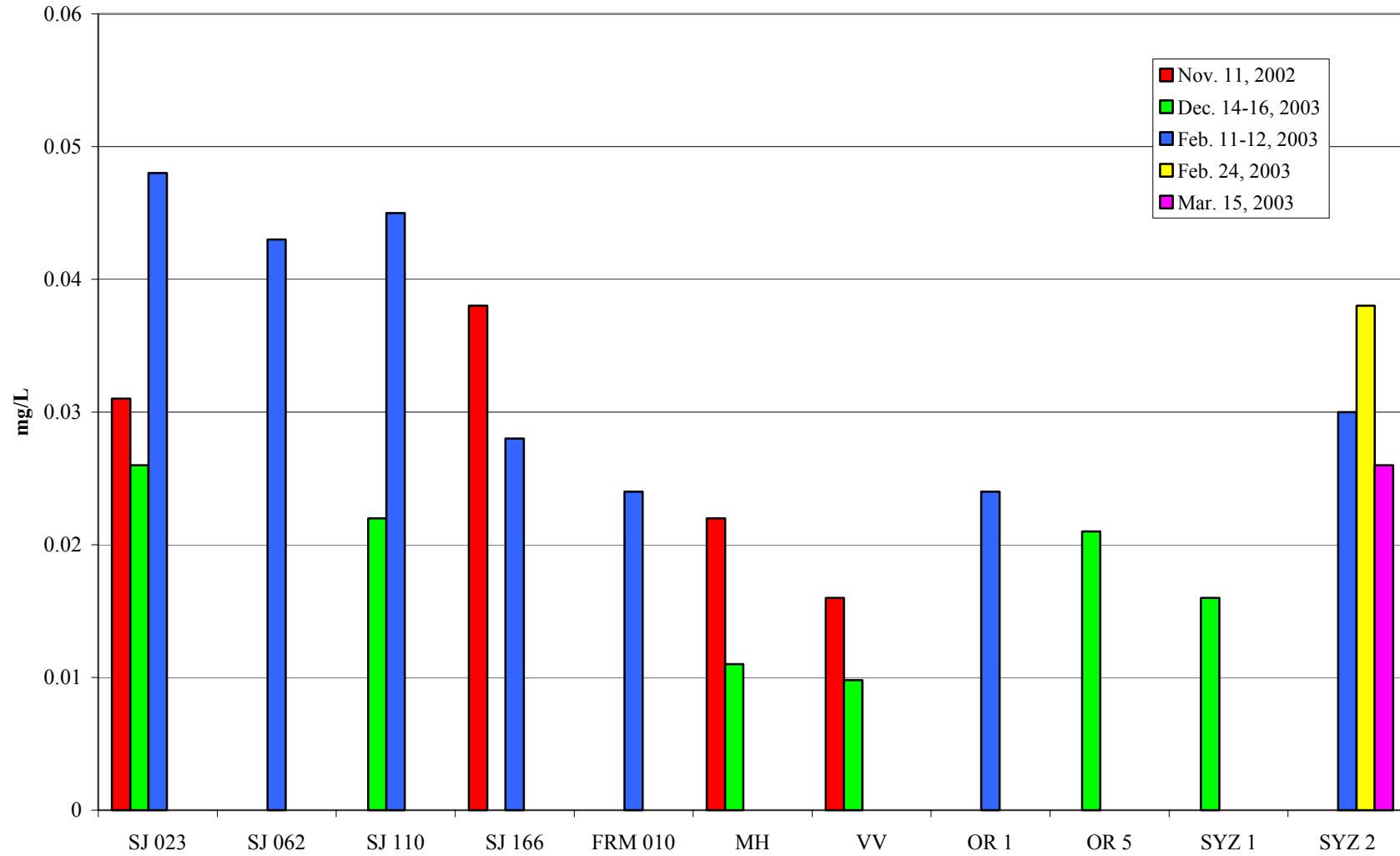


Figure C-5. Diazinon

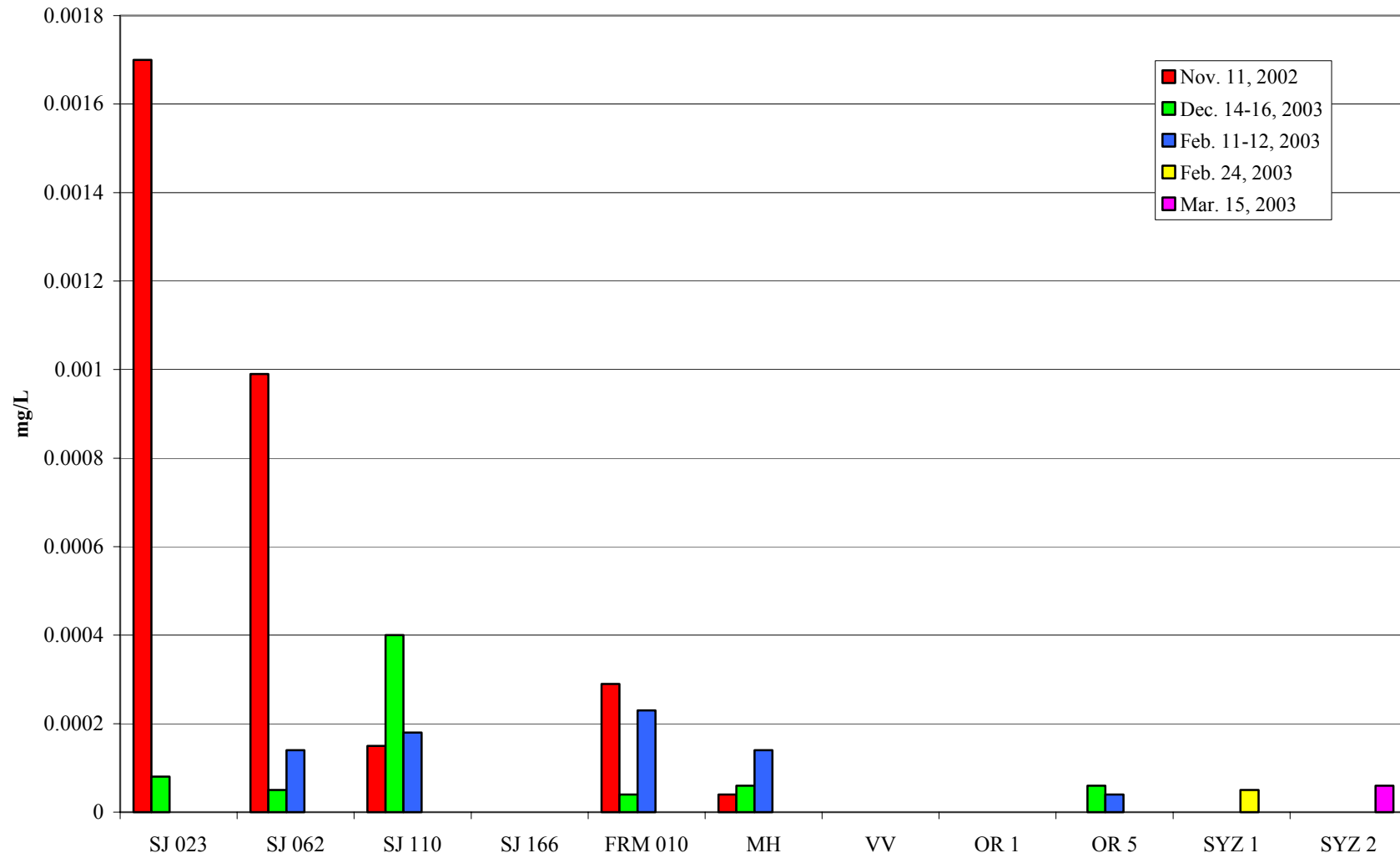


Figure C-6. Malathion

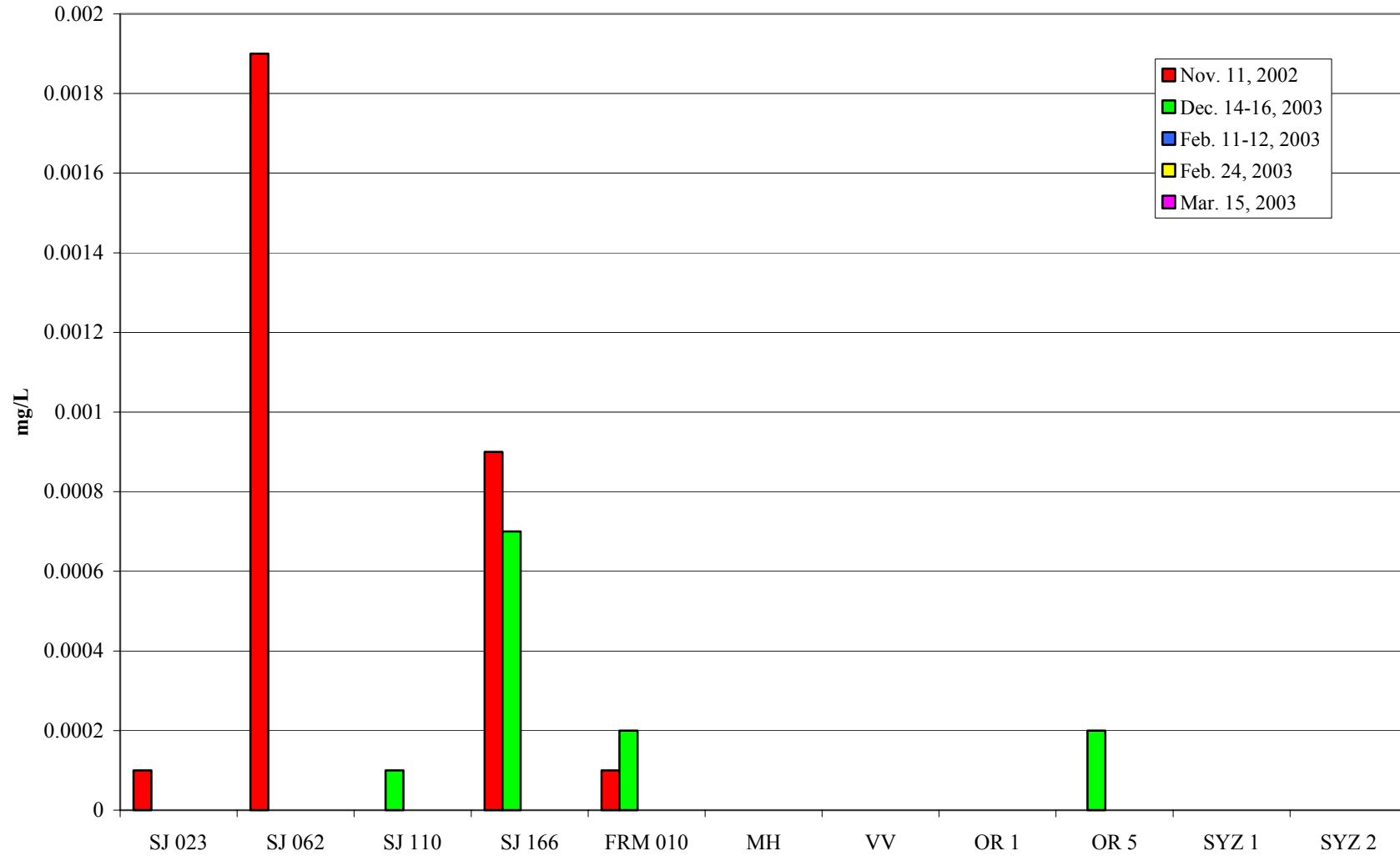


Figure C-7. Chromium

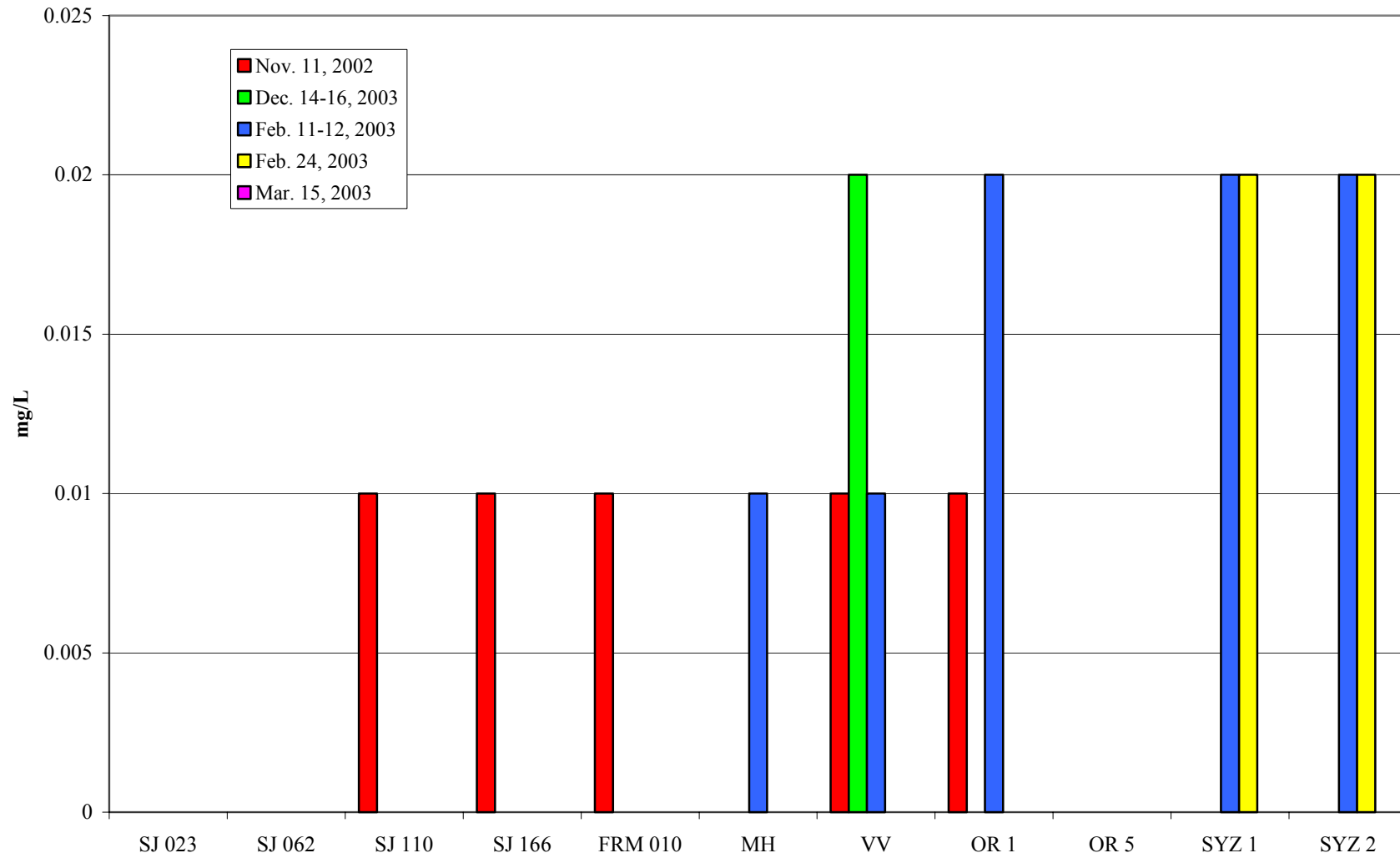


Figure C-8. Zinc

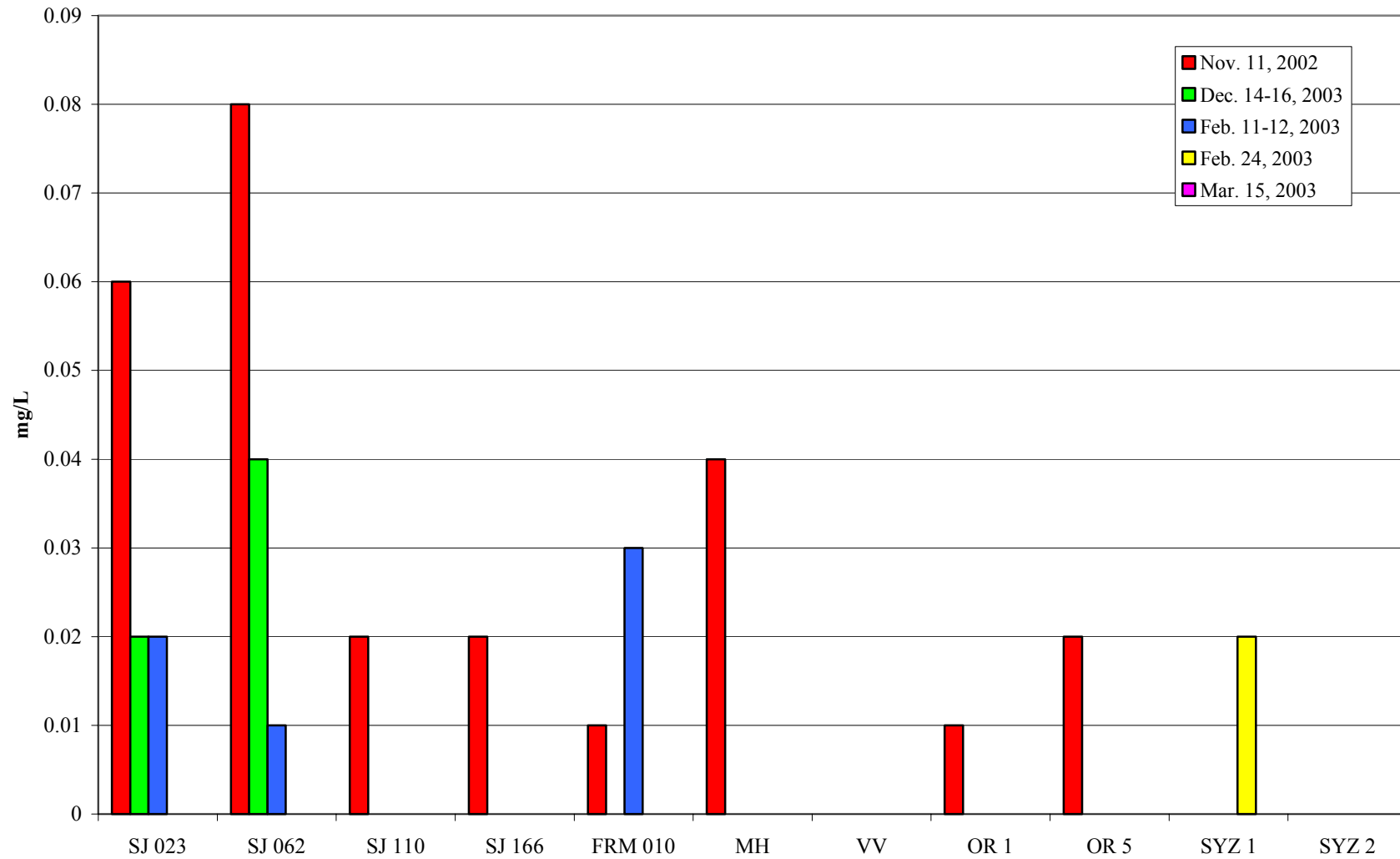


Figure C-9. Specific Conductance

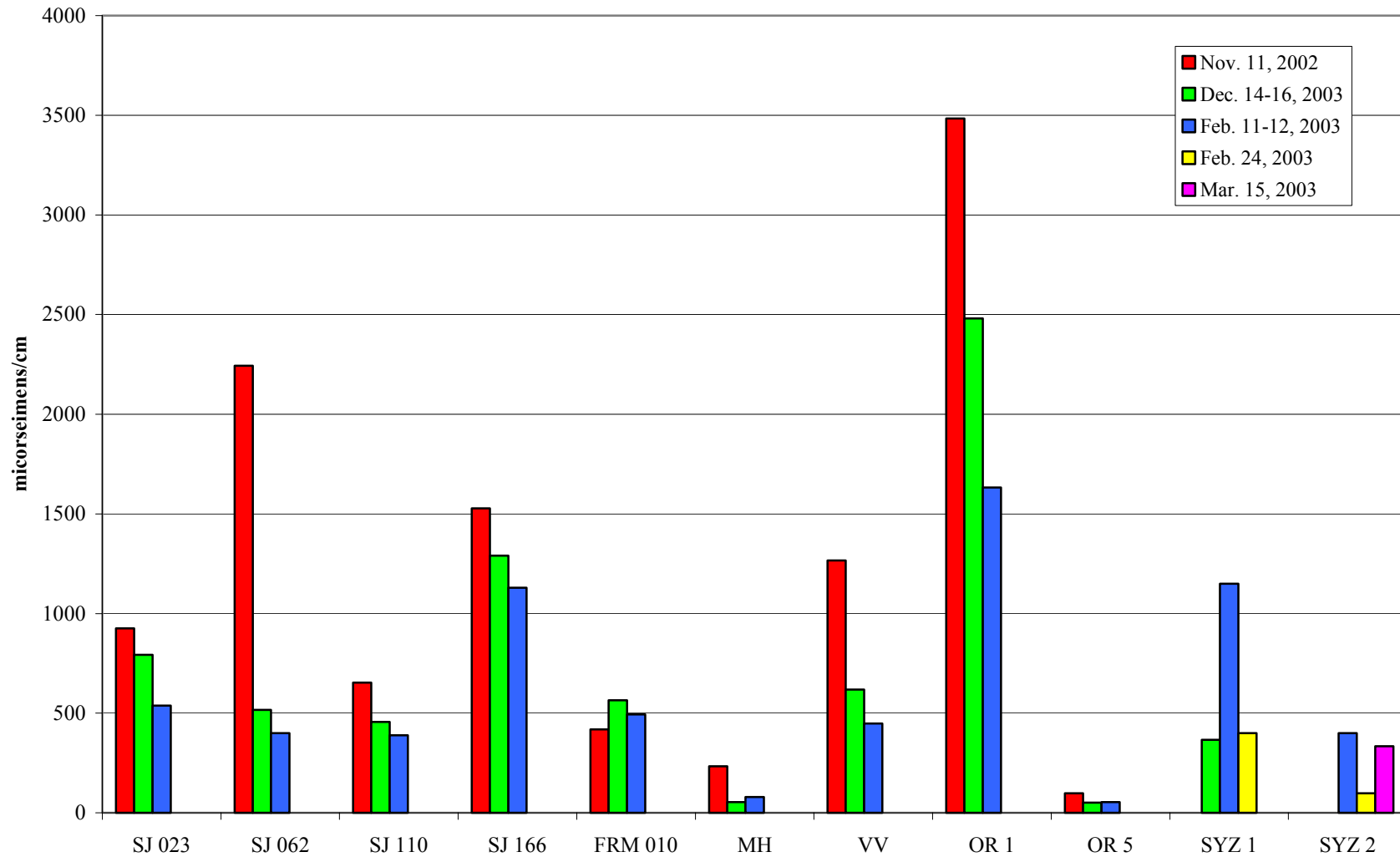


Figure C-10. Salinity

