

Table 3.4 Correlation matrix for the various system and water quality parameters of the eight SAPS systems used in the model development process. n=135

	Net Alkalinity	t _r	ln(t _r)	pH	Fe	ln(Fe)	Mn	ln(Mn)	Sulfate	ln(Sulfate)	Acidity	ln(Acidity)	Non-Mn Acidity	ln(Non-Mn Acidity)
Net Alkalinity	1.0000													
t _r	0.4638	1.0000												
ln(t _r)	0.7414	0.5742	1.0000											
pH	-0.3547	-0.2425	-0.4757	1.0000										
Fe	0.7357	0.5263	0.7285	-0.3547	1.0000									
ln(Fe)	0.7634	0.3677	0.7832	-0.3997	0.8317	1.0000								
Mn	-0.2698	-0.0383	-0.1864	-0.0253	-0.2915	-0.3443	1.0000							
ln(Mn)	-0.0727	0.0579	0.0005	-0.1240	-0.1226	-0.1542	0.8670	1.0000						
Sulfate	0.5078	0.4850	0.4531	-0.3274	0.5534	0.4250	0.0402	0.1639	1.0000					
ln(Sulfate)	0.3820	0.2925	0.3704	-0.2986	0.4531	0.4137	-0.0827	-0.0068	0.8754	1.0000				
Acidity	0.5632	0.3884	0.3865	-0.4215	0.3649	0.2382	0.2985	0.4732	0.5083	0.2446	1.0000			
ln(Acidity)	0.4622	0.2654	0.3140	-0.4125	0.2643	0.1998	0.3659	0.5550	0.3870	0.1829	0.9122	1.0000		
Non-Mn Acidity	0.6919	0.4206	0.4753	-0.4309	0.4930	0.3808	-0.0710	0.1625	0.5159	0.2873	0.9308	0.8132	1.0000	
ln(Non-Mn Acidity)	0.5021	0.2352	0.3479	-0.4149	0.3204	0.2619	-0.1576	0.0044	0.2561	0.1372	0.6965	0.7414	0.7883	1.0000