Table 4-7: Total Suspended Solids Correlation Results

Station and Season	S01-Wet		S02-Wet		S10-Wet	
Sample Size or Correlation Coefficient	**N**	**CORR**	**N**	**CORR**	**N**	**CORR**
Alkalinity as_$CaCO_3$	4	-0.200	4	-0.800	4	0.800
Aluminum	4	0.800	4	1.000	4	0.800
Ammonia	4	1.000	4	-0.200	4	0.400
Arsenic	4	0.316	4	-0.632	4	0.949
BioChemical Oxygen Demand (Five-day)	4	0.600	4	-1.000	4	0.400
Chemical Oxygen Demand	4	-1.000	4	-0.600	4	0.400
Chloride	4	-0.400	4	-1.000	4	0.400
Copper	4	0.632	0	NA	4	0.949
Cyanide	5	-0.500	0	NA	5	0.900
Dissolved Aluminum	4	0.800	4	1.000	4	0.400
Dissolved Iron	4	0.800	4	1.000	4	1.000
Dissolved Lead	4	0.800	0	NA	4	0.800
Dissolved Oxygen	5	0.300	5	-0.400	5	0.100
Dissolved Phosphorus	4	0.800	4	0.200	4	0.800
Dissolved Zinc	4	0.800	4	0.949	4	0.800
Fecal Coliform	5	-0.500	5	0.100	5	0.821
Fecal Enterococcus	5	-0.400	5	-0.205	5	0.100
Fecal Streptococcus	5	-0.700	5	-0.205	5	0.100
Fluoride	4	-0.200	4	-0.400	4	0.400
Hardness as $CaCO_3$	4	-0.400	4	-0.800	4	0.800
Iron	4	0.800	4	1.000	4	1.000
Kjeldahl Nitrogen	4	0.800	4	-0.600	4	-0.400
Lead	4	0.800	0	NA	4	0.800
NH3 as N	4	1.000	4	-0.200	4	0.400
Nitrate (NO_3)	4	-0.200	4	0.200	4	0.600
Nitrate as N	4	-0.200	4	0.200	4	0.600
Phosphorus, Total as P	4	0.400	4	0.200	4	0.800
Specific Conductance	4	-0.400	4	-0.800	4	0.800
Sulfate	4	-0.400	4	-0.800	4	0.400
Total Coliform	5	-0.500	5	0.000	5	0.474
Total Dissolved Solids	4	-0.400	4	-0.800	4	0.800
Total Organic Carbon	4	0.800	4	-0.400	4	0.200
Turbidity	4	0.200	4	0.200	4	0.000
Volatile Suspended Solids	4	1.000	4	0.949	4	0.400
Zinc	4	1.000	4	1.000	4	0.800
pH	4	-0.200	4	-0.400	4	0.800
Dissolved Selenium	0	NA	4	-0.632	0	NA
Nickel	0	NA	4	-0.400	4	1.000
Selenium	0	NA	4	-0.800	0	NA
Barium	0	NA	0	NA	4	0.949
Chromium	0	NA	0	NA	4	1.000
Dissolved_Arsenic	0	NA	0	NA	4	0.949
Glyphosate	0	NA	0	NA	4	-0.316
Methylene Blue Active Substances	0	NA	0	NA	4	0.316
Nitrite as N	0	NA	0	NA	4	0.400
Antimony	0	NA	0	NA	0	NA
Dissolved Copper	0	NA	0	NA	0	NA
Dissolved Barium	0	NA	0	NA	0	NA

NA= Not included in the Analysis

Significantly correlated with alpha=0.1 (two sided)

Likely correlated (sample size too small to determine for sure)

Table 4-7: Total Suspended Solids Correlation Results

Station and Season	S13-Wet		S14-Wet		S28-Wet	
Sample Size or Correlation Coefficient	**N**	**CORR**	**N**	**CORR**	**N**	**CORR**
Alkalinity as_$CaCO_3$	4	0.800	3	-0.500	4	0.800
Aluminum	4	0.400	3	1.000	4	0.800
Ammonia	4	0.400	3	-1.000	4	-0.200
Arsenic	4	0.800	0	NA	4	0.949
BioChemical Oxygen Demand (Five-day)	4	1.000	3	-1.000	4	0.800
Chemical Oxygen Demand	4	1.000	3	-0.500	4	0.800
Chloride	4	0.800	3	-0.500	4	0.800
Copper	0	NA	0	NA	4	0.949
Cyanide	0	NA	0	NA	5	0.872
Dissolved Aluminum	4	0.800	3	1.000	4	0.800
Dissolved Iron	4	0.800	3	1.000	4	0.800
Dissolved Lead	4	1.000	0	NA	4	0.800
Dissolved Oxygen	5	-0.718	4	-0.800	5	-0.100
Dissolved Phosphorus	4	-0.105	3	-0.500	4	0.800
Dissolved Zinc	4	1.000	3	0.500	4	0.800
Fecal Coliform	5	0.616	4	0.800	5	0.100
Fecal Enterococcus	5	0.462	4	0.738	5	-0.300
Fecal Streptococcus	5	0.600	4	0.738	5	-0.300
Fluoride	4	-0.200	3	-0.500	4	0.800
Hardness as $CaCO_3$	4	0.800	3	-0.500	4	0.400
Iron	4	0.800	3	1.000	4	0.800
Kjeldahl Nitrogen	4	0.400	3	-0.500	4	0.800
Lead	4	1.000	3	1.000	4	0.800
NH3 as N	4	0.400	3	-1.000	4	-0.200
Nitrate (NO_3)	4	0.800	3	-0.500	4	0.800
Nitrate as N	4	0.800	3	-0.500	4	0.800
Phosphorus, Total as P	4	0.400	3	0.500	4	0.800
Specific Conductance	4	0.800	3	-0.500	4	0.800
Sulfate	4	0.400	3	-0.500	4	0.800
Total Coliform	5	0.300	4	0.800	5	0.100
Total Dissolved Solids	4	0.800	3	-0.500	4	0.800
Total Organic Carbon	4	0.400	3	0.500	4	-0.200
Turbidity	4	0.400	3	0.500	4	0.400
Volatile Suspended Solids	4	1.000	3	-1.000	4	1.000
Zinc	4	1.000	3	-0.500	4	0.800
pH	4	0.400	3	-0.500	4	0.000
Dissolved Selenium	0	NA	0	NA	0	NA
Nickel	4	0.949	0	NA	4	0.949
Selenium	0	NA	0	NA	0	NA
Barium	4	0.949	0	NA	0	NA
Chromium	4	0.800	0	NA	4	0.600
Dissolved_Arsenic	4	1.000	0	NA	4	0.894
Glyphosate	4	0.800	0	NA	4	0.105
Methylene Blue Active Substances	4	0.949	0	NA	0	NA
Nitrite as N	4	0.949	0	NA	0	NA
Antimony	0	NA	0	NA	4	0.949
Dissolved Copper	0	NA	0	NA	4	0.949
Dissolved Barium	0	NA	0	NA	0	NA

NA= Not included in the Analysis

Significantly correlated with alpha=0.1 (two sided)

Likely correlated (sample size too small to determine for sure)

Table 4-7: Total Suspended Solids Correlation Results

Station and Season	S29-Wet		TS19-Wet		TS20-Wet	
Sample Size or Correlation Coefficient	**N**	**CORR**	**N**	**CORR**	**N**	**CORR**
Alkalinity as_$CaCO_3$	4	-1.000	5	0.600	5	-0.500
Aluminum	4	1.000	5	0.300	5	0.800
Ammonia	4	0.800	5	0.800	5	1.000
Arsenic	4	0.738	5	0.667	0	NA
BioChemical Oxygen Demand (Five-day)	4	0.600	5	0.600	5	0.700
Chemical Oxygen Demand	4	-0.800	5	0.900	5	-0.100
Chloride	4	-1.000	5	0.600	5	-0.500
Copper	0	NA	5	0.359	0	NA
Cyanide	0	NA	6	0.174	6	-0.647
Dissolved Aluminum	4	1.000	5	0.300	5	0.900
Dissolved Iron	4	1.000	5	0.700	5	1.000
Dissolved Lead	4	0.949	5	0.100	0	NA
Dissolved Oxygen	5	-0.500	6	0.371	6	0.132
Dissolved Phosphorus	4	0.600	5	0.600	5	-0.100
Dissolved Zinc	4	0.949	5	0.300	5	1.000
Fecal Coliform	5	-0.200	6	0.441	6	-0.721
Fecal Enterococcus	5	-0.205	6	0.696	6	0.377
Fecal Streptococcus	5	-0.205	6	0.812	6	0.232
Fluoride	4	-1.000	5	0.600	5	-0.300
Hardness as $CaCO_3$	4	-1.000	5	0.600	5	-0.500
Iron	4	1.000	5	0.400	5	0.800
Kjeldahl Nitrogen	4	0.600	5	0.600	5	0.700
Lead	4	0.949	5	0.100	5	0.872
NH3 as N	4	0.800	5	0.800	5	1.000
Nitrate (NO_3)	4	-0.800	5	0.300	5	0.400
Nitrate as N	4	-0.800	5	0.462	5	0.400
Phosphorus, Total as P	4	0.800	5	0.800	5	0.000
Specific Conductance	4	-1.000	5	0.700	5	-0.500
Sulfate	4	-1.000	5	0.700	5	-0.500
Total Coliform	5	-0.051	6	0.145	6	-0.343
Total Dissolved Solids	4	-1.000	5	0.700	5	-0.500
Total Organic Carbon	4	0.600	5	-0.300	5	-0.200
Turbidity	4	0.800	5	0.600	5	0.400
Volatile Suspended Solids	4	0.800	5	0.700	5	0.900
Zinc	4	1.000	5	0.300	5	1.000
pH	4	-1.000	5	0.200	5	-0.100
Dissolved Selenium	0	NA	0	NA	0	NA
Nickel	4	0.800	5	0.667	0	NA
Selenium	0	NA	0	NA	0	NA
Barium	4	0.949	5	0.359	0	NA
Chromium	4	0.949	0	NA	0	NA
Dissolved_Arsenic	0	NA	5	0.667	0	NA
Glyphosate	0	NA	5	0.900	0	NA
Methylene Blue Active Substances	0	NA	5	0.872	0	NA
Nitrite as N	0	NA	0	NA	0	NA
Antimony	0	NA	0	NA	0	NA
Dissolved Copper	0	NA	0	NA	0	NA
Dissolved Barium	4	0.949	0	NA	0	NA

NA= Not included in the Analysis

Significantly correlated with alpha=0.1 (two sided)

Likely correlated (sample size too small to determine for sure)

Table 4-7: Total Suspended Solids Correlation Results

Station and Season	TS21-Wet		TS22-Wet		TS23-Wet	
Sample Size or Correlation Coefficient	**N**	**CORR**	**N**	**CORR**	**N**	**CORR**
Alkalinity as_$CaCO_3$	5	0.800	5	0.300	5	-0.359
Aluminum	5	0.800	5	1.000	5	0.900
Ammonia	5	0.205	5	-0.100	5	0.600
Arsenic	0	NA	0	NA	0	NA
BioChemical Oxygen Demand (Five-day)	5	0.600	5	0.564	5	0.900
Chemical Oxygen Demand	5	0.821	5	0.100	5	0.564
Chloride	5	0.500	5	-0.300	5	0.000
Copper	5	0.872	5	0.975	0	NA
Cyanide	6	0.759	6	0.530	6	0.000
Dissolved Aluminum	5	0.900	5	1.000	5	1.000
Dissolved Iron	5	0.800	5	1.000	5	1.000
Dissolved Lead	5	0.800	5	1.000	5	1.000
Dissolved Oxygen	6	0.257	6	0.314	6	-0.543
Dissolved Phosphorus	5	0.700	5	0.000	5	0.500
Dissolved Zinc	5	0.900	5	1.000	5	1.000
Fecal Coliform	6	-0.200	6	-0.029	6	-0.319
Fecal Enterococcus	6	0.000	6	0.618	6	-0.543
Fecal Streptococcus	6	0.000	6	0.618	6	-0.145
Fluoride	5	0.300	5	0.300	5	0.100
Hardness as $CaCO_3$	5	0.800	5	-0.300	5	0.359
Iron	5	0.800	5	1.000	5	0.900
Kjeldahl Nitrogen	5	0.400	5	0.100	5	0.800
Lead	5	0.800	5	1.000	5	0.900
NH3 as N	5	0.205	5	-0.100	5	0.600
Nitrate (NO_3)	5	0.800	5	0.700	5	1.000
Nitrate as N	5	0.718	5	0.700	5	0.975
Phosphorus, Total as P	5	0.500	5	0.000	5	0.500
Specific Conductance	5	0.800	5	-0.300	5	0.000
Sulfate	5	0.800	5	0.100	5	0.400
Total Coliform	6	-0.429	6	-0.203	6	-0.091
Total Dissolved Solids	5	0.800	5	-0.410	5	0.000
Total Organic Carbon	5	-0.600	5	-0.300	5	-0.200
Turbidity	5	-0.100	5	0.700	5	0.100
Volatile Suspended Solids	5	0.900	5	1.000	5	0.800
Zinc	5	0.800	5	1.000	5	1.000
pH	5	-0.500	5	-0.300	5	-0.300
Dissolved Selenium	0	NA	0	NA	0	NA
Nickel	5	1.000	0	NA	0	NA
Selenium	0	NA	0	NA	0	NA
Barium	5	0.400	0	NA	0	NA
Chromium	5	0.872	5	0.975	5	0.975
Dissolved_Arsenic	0	NA	0	NA	0	NA
Glyphosate	5	0.872	5	0.205	0	NA
Methylene Blue Active Substances	0	NA	0	NA	0	NA
Nitrite as N	0	NA	0	NA	0	NA
Antimony	0	NA	0	NA	5	0.975
Dissolved Copper	0	NA	0	NA	0	NA
Dissolved Barium	0	NA	0	NA	0	NA

NA= Not included in the Analysis

Significantly correlated with alpha=0.1 (two sided)

Likely correlated (sample size too small to determine for sure)

Table 4-7: Total Suspended Solids Correlation Results

Station and Season	TS24-Wet	
Sample Size or Correlation Coefficient	**N**	**CORR**
Alkalinity as_$CaCO_3$	5	0.103
Aluminum	5	0.700
Ammonia	5	-0.205
Arsenic	0	NA
BioChemical Oxygen Demand (Five-day)	5	0.800
Chemical Oxygen Demand	0	NA
Chloride	5	-0.300
Copper	5	0.800
Cyanide	6	-0.928
Dissolved Aluminum	5	0.700
Dissolved Iron	5	1.000
Dissolved Lead	0	NA
Dissolved Oxygen	6	0.812
Dissolved Phosphorus	5	-0.200
Dissolved Zinc	5	0.800
Fecal Coliform	6	0.086
Fecal Enterococcus	6	0.200
Fecal Streptococcus	6	0.200
Fluoride	5	-0.600
Hardness as $CaCO_3$	5	-0.154
Iron	5	1.000
Kjeldahl Nitrogen	5	-0.100
Lead	5	0.900
NH3 as N	5	-0.205
Nitrate (NO_3)	5	-0.300
Nitrate as N	5	-0.300
Phosphorus, Total as P	5	-0.200
Specific Conductance	5	0.000
Sulfate	5	-0.300
Total Coliform	6	-0.145
Total Dissolved Solids	5	-0.300
Total Organic Carbon	5	-0.300
Turbidity	5	-0.103
Volatile Suspended Solids	5	0.700
Zinc	5	0.800
pH	5	-0.100
Dissolved Selenium	0	NA
Nickel	0	NA
Selenium	0	NA
Barium	0	NA
Chromium	0	NA
Dissolved_Arsenic	0	NA
Glyphosate	5	0.667
Methylene Blue Active Substances	0	NA
Nitrite as N	0	NA
Antimony	0	NA
Dissolved Copper	5	0.000
Dissolved Barium	0	NA

NA= Not included in the Analysis

Significantly correlated with alpha=0.1 (two sided)

Likely correlated (sample size too small to determine for sure)